Topic: Vaccination: All
What is Cumulative Knowledge, and Why Should it Interest Me?

**Cumulative Knowledge** is determined by ascribing a numerical value to all the articles indexed on our database. The [GreenMedInfo.com](http://www.greenmedinfo.com) algorithm appraises a study's overall evidentiary power and quality by generating a numerical value. This "Cumulative Knowledge" score incorporates variables such as study type, with the following types listed in descending order by their power: Meta-Analysis, Human Study, Human: Case Study, Animal: Transgenic, Animal, In Vitro, Review, and Commentary. The cumulative total will provide you an idea about the depth and quality of information that this topic has accumulated on our site. For instance, if you downloaded a document on "Cancers: All", you might see "Curcumin" with a Cumulative Knowledge of 677 and Resveratrol with a Cumulative Knowledge of 175. This does not mean that Curcumin is better, but just that we have gathered more quality research on the Substance Curcumin. [Click here to read a more in depth explanation](http://www.greenmedinfo.com)
How are Topics and Articles Sorted in this PDF?

Articles in this document are placed within their respective Topic category. If you download a document on the Disease "Cancers: All" and are interested in all articles pertaining to the Substance "Curcumin" with regard to "Cancers: All", you will find them under the "Curcumin" sub-section underneath the Cumulative Knowledge section. Topics are sorted based on their Cumulative Knowledge in relation to the main topic of the download. In the previous example, it would be in relation to "Cancers: All": Articles are then sorted based on the articles Published Date. Articles are sorted in a descending fashion, which means that the most recent articles are displayed first. Articles may appear more than once in this document. For each Topic that an Article contains, it will be displayed in that sub-section. For example, if an Article contains the Substances "Pterostilbene" and "Resveratrol", the article will be displayed under each Topic.

Related Topics


Quick Summary: 201 Diseases

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<td>Prostate Cancer</td>
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<td>Sarcoma</td>
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<td>Tumors</td>
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<td>Urinary Tract Infections</td>
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<td>Excitotoxicity</td>
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<td>Immune Disorders: B-Cell Over-Activity</td>
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<td>Infertility: Female</td>
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<td>Mental Retardation</td>
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## Quick Summary: 8 Adverse Pharmacological Actions

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Tumor necrosis factor (TNFα) up-regulation</td>
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<td>Immunosuppressive</td>
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<td>Interleukin-6 up-regulation</td>
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<td>Teratogenic</td>
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<td>Myotoxic</td>
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<td>Hepatotoxic</td>
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## Quick Summary: 36 Problematic Actions

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<tr>
<td>Vaccination: All</td>
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<td>Vaccination: Hepatitis B</td>
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<td>Vaccination: Influenza</td>
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<td>Vaccination: Mumps-Measles-Rubella (MMR)</td>
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<td>Vaccination: Varicella (Chicken pox)</td>
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<td>Vaccination: Polio</td>
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<td>Vaccination: HPV (Gardisil)</td>
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<td>Vaccination: Pertussis</td>
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<td>Vaccination: Haemophilus Influenzae</td>
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<td>Vaccination: Animal Model</td>
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<td>Vaccination: BCG (Tuberculosis)</td>
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<td>Vaccination: Rotavirus</td>
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<td>Vaccination: Rabies</td>
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<td>Vaccination: GMO Vaccines</td>
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<td>Vaccination: Streptococcus Pneumoniae</td>
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**Total Distinct Articles in this Document** - 312

**Category:** Diseases
### Topic: Vaccine-induced Toxicity

**38,787 adverse events including infant death (highest in 1-3 month olds) after vaccination were reported between 1991-1994. (The authors speciously claim SIDS and not vaccination caused these deaths).** - GMI Summary

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Article Published Date</td>
<td>Oct 01, 1997</td>
</tr>
<tr>
<td>Authors</td>
<td>M M Braun, S S Ellenberg</td>
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<td>Study Type</td>
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<tr>
<td>Anti Therapeutic Actions</td>
<td>Vaccination: All : CK(3934) : AC(312)</td>
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</tbody>
</table>

**DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.** - GMI Summary

<table>
<thead>
<tr>
<th>Pubmed Data</th>
<th>J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: <a href="https://doi.org/10.1016/S0278-207X(99)00130-6">10714532</a></th>
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<tbody>
<tr>
<td>Article Published Date</td>
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<tr>
<td>Authors</td>
<td>E L Hurwitz, H Morgenstern</td>
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<td>Additional Links</td>
<td>Diseases: Allergies : CK(502) : AC(92), Allergies: Childhood : CK(70) : AC(5), Asthma : CK(918) : AC(134), Hypersensitivity : CK(64) : AC(15), Vaccine-induced Toxicity : CK(1130) : AC(163)</td>
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</table>

**Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.** - GMI Summary

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<tr>
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<tbody>
<tr>
<td>Article Published Date</td>
<td>Aug 01, 2009</td>
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<tr>
<td>Authors</td>
<td>José G Dórea, Rejane C Marques, Katiane G Brandão</td>
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<td>Meta Analysis</td>
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<td>Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)</td>
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**Over 1,000 confirmed cases of vaccine-induced thrombocytopenia were reported between 1990-2008.** - GMI Summary

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<tbody>
<tr>
<td>Article Published Date</td>
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<tr>
<td>Authors</td>
<td>Emily Jane Woo, Robert P Wise, David Menschik, Sean V Shadowy, John Iskander, Judy Beeler, Frederick Varriocchio, Robert Ball</td>
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<td>Study Type</td>
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<td>Diseases: Thrombocytopenia : CK(800) : AC(25), Vaccine-induced Toxicity : CK(1130) : AC(163)</td>
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**Over 600 cases of sudden infant death syndrome following vaccination were reported from 1990-1997.** - GMI Summary

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<tbody>
<tr>
<td>Article Published Date</td>
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The risk of adverse events from the pertussis outweighed the risk of pertussis infection during the period of 1970-83 in children living in non-deprived circumstances in Britain. - GMI Summary

Article Published Date: Jan 01, 1985
Authors: G T Stewart
Study Type: Meta Analysis
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1130) : AC(163), Whooping Cough : CK(66) : AC(7)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

There is a highly statistically significant correlation between increasing number of vaccine doses and increasing infant mortality rates. - GMI Summary

Article Published Date: May 04, 2011
Authors: Neil Z Miller, Gary S Goldman
Study Type: Meta Analysis
Additional Links
Diseases: Infant Mortality: CK(229) : AC(23), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Thimerosol-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders. - GMI Summary

Article Published Date: Mar 01, 2004
Authors: David A Geier, Mark R Geier
Study Type: Meta Analysis
Additional Links
Diseases: Autism: CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

Vaccination in infants less than 3 months is associated with an increased risk of sudden infant death syndrome. - GMI Summary

Article Published Date: Jan 01, 1995
Authors: A P Jonville-Bera, E Autret, J Laugier
Study Type: Meta Analysis
Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

Vaccination is associated with a rare autoimmune neurological condition transverse myelitis. - GMI Summary
Vaccination is associated with an increased risk for hemolytic anemia. - GMI Summary

A modified self-controlled case series method links multidose vaccinations to sudden unexpected death. - GMI Summary

Acute necrotizing encephalopathy secondary to diphtheria, tetanus toxoid and whole-cell pertussis vaccination has been reported. - GMI Summary

Adverse effects of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine in 6- to 7-year-old children. - GMI Summary

Among female infants, those who receive both BCG and DTP vaccines experience higher mortality than those who receive only one of the two vaccines. - GMI Summary
**An Italian study found that 61% of women experienced an adverse event after the administration of the first dose of HPV vaccine. - GMI Summary**

**Article Published Date** : May 31, 2013
**Authors** : Stefania Spila-Alegiani, Roberto Da Cas, Cristina Giambi, Roberto Raschetti, Stefania Salmaso
**Study Type** : Human Study
**Additional Links**
**Diseases** : Human Papillomavirus (HPV) : CK(153) : AC(22), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions** : Vaccination: HPV (Gardisil) : CK(105) : AC(13)

**Autistic children have elevated levels of measles antibodies indicating that measles vaccination may be causing autoimmunity in these children. - GMI Summary**

**Article Published Date** : Apr 01, 2003
**Authors** : Vijendra K Singh, Ryan L Jensen
**Study Type** : Human Study
**Additional Links**
**Diseases** : Autism Spectrum Disorders : CK(1160) : AC(112), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions** : Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

**Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy. - GMI Summary**

**Article Published Date** : Aug 15, 2008
**Authors** : Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson
**Study Type** : Human Study
**Additional Links**
**Diseases** : Anthrax : CK(43) : AC(6), Birth Defects : CK(196) : AC(37), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions** : Vaccination: All : CK(3934) : AC(312), Vaccination: Anthrax : CK(62) : AC(8)
**Adverse Pharmacological Actions** : Teratogenic : CK(304) : AC(59)

**Breastfeeding attenuates reductions in energy intake induced by a mild immunologic stimulus represented by DPTH immunization. - GMI Summary**

**Article Published Date** : Jun 01, 2002
**Authors** : Mardya López-Alarcón, Cutberto Garza, Jean-Pierre Habicht, Lourdes Martín, Virginia Pagueños, Salvador Villalpando
**Study Type** : Human Study
**Additional Links**
**Substances** : Breast Milk : CK(428) : AC(49)
Breastfeeding is associated with a decreased incidence of fever after immunizations. - GMI Summary


Article Published Date: Jun 01, 2010

Authors: Alfredo Pisacane, Paola Continisio, Orsola Palma, Stefania Cataldo, Fabiola De Michele, Ugo Vairo

Study Type: Human Study

Substances: Breast Milk: CK(428) : AC(49)

Diseases: Fever: CK(77) : AC(14), Vaccine-induced Toxicity: CK(1130) : AC(163)

Therapeutic Actions: Breastfeeding: CK(739) : AC(77)

Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312)

Children vaccinated with MMR before age 10 are at significantly higher risk of multiple sclerosis. - GMI Summary


Article Published Date: Jan 01, 2009

Authors: Cecilia Ahlgren, Kjell Torén, Anders Odén, Oluf Andersen

Study Type: Human Study

Diseases: Multiple Sclerosis: CK(716) : AC(133), Vaccine-induced Toxicity: CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR): CK(228) : AC(26)

Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations. - GMI Summary


Article Published Date: Oct 01, 2008

Authors: Agmon-Levin Nancy, Yehuda Shoenfeld

Study Type: Human Study

Diseases: Breast Augmentation Complications: CK(32) : AC(4), Chronic Fatigue Syndrome: CK(397), Acute (28), Hepatitis B: CK(226) : AC(39), Silicone Implant Toxicity: CK(10) : AC(1), Vaccine-induced Toxicity: CK(1130) : AC(163)

Anti Therapeutic Actions: Silicone Implants: CK(10) : AC(1)

Combined MMR and varicella live vaccine is associated with higher rates of febrile convulsion than giving the vaccines separately. - GMI Summary


Article Published Date: Jul 23, 2009

Authors: Steven J Jacobsen, Bradley K Ackerson, Lina S Sy, Trung N Tran, Tonia L Jones, Janis F Yao, Fagen Xie, T Craig Cheetham, Patricia Saddier

Study Type: Human Study


Congenital malformation is a possible consequence of rubella vaccination
**during pregnancy.** - GMI Summary


Article Published Date: Sep 25, 1981

Authors: S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann

Study Type: Human Study

Additional Links


---

**CRP level in infants is elevated in the 48 hours following immunization.** - GMI Summary


Article Published Date: Aug 01, 2007

Authors: Massroor Pourcyrous, Sheldon B Korones, Kristopher L Arheart, Henrietta S Bada

Study Type: Human Study

Additional Links


Additional Keywords: Multiple Vaccines: CK(10): AC(1)

Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

---

**Diphtheria-tetanus-pertussis vaccine administered simultaneously with measles vaccine is associated with increased morbidity and poor growth in girls.** - GMI Summary


Article Published Date: Jan 10, 2011

Authors: J Agergaard, E Nante, G Poustrup, J Nielsen, K L Flanagan, L Østergaard, C S Benn, P Aaby

Study Type: Human Study

Additional Links

Diseases: Vaccine-induced Toxicity: CK(1130): AC(163)


---

**Diphtheria-tetanus-peteruss vaccines increase child mortality in rural Guinea-Bissau.** - GMI Summary


Article Published Date: Apr 01, 2004

Authors: Peter Aaby, Henrik Jensen, Joaquim Gomes, Manual Fernandes, Ida Maria Lisse

Study Type: Human Study

Additional Links


Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

---

**DPT vaccines have been associated with recurrent seizures.** - GMI Summary


Article Published Date: Oct 01, 1984

Authors: J V Murphy, L D Sarff, K M Marquardt

Study Type: Human Study

Additional Links


**DTP with or after measles vaccination is associated with increased in-hospital mortality in Guinea-Bissau.** - GMI Summary

*Article Published Date*: Jan 25, 2007
*Authors*: Peter Aaby, Sidu Biai, Jens Erik Veirum, Morten Sodemann, Ida Lisse, May-Lill Garly, Henrik Ravn, Christine Stabell Benn, Amabelia Rodrigues
*Study Type*: Human Study
*Additional Links*
*Diseases*: Infant Mortality: CK(229) : AC(23), Vaccine-induced Toxicity: CK(1130) : AC(163)
*Anti Therapeutic Actions*: Vaccination: Combinations : CK(20) : AC(2)

**Even though 95% of the children had measles antibodies after vaccination, vaccine efficacy was not more than 68%.** - GMI Summary

*Article Published Date*: Oct 31, 1990
*Authors*: P Aaby, K Knudsen, T G Jensen, J Thårup, A Poulsen, M Sodemann, M C da Silva, H Whittle
*Study Type*: Human Study
*Additional Links*
*Diseases*: Measles : CK(193) : AC(8), Vaccine-induced Toxicity : CK(1130) : AC(163)
*Additional Keywords*: Antibody Theory Of Vaccinology : CK(35) : AC(5), Vaccine Failure : CK(123) : AC(13)
*Anti Therapeutic Actions*: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

**Evidence exists demonstrating that diptheria-tetanus-pertussis (DTP) vaccines increase mortality in children.** - GMI Summary

*Article Published Date*: Jan 01, 2007
*Authors*: Peter Aaby, Christine Stabell Benn, Jens Nielsen, Ida Maria Lisse, Amabelia Rodrigues, Henrik Jensen
*Study Type*: Human Study
*Additional Links*
*Diseases*: Child Mortality: CK(64) : AC(8), Vaccine-induced Toxicity : CK(1130) : AC(163)
*Anti Therapeutic Actions*: Vaccination: All : CK(3934) : AC(312)

**Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.** - GMI Summary

*Article Published Date*: Sep 20, 2011
*Authors*: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser
*Study Type*: Human Study
*Additional Links*
*Anti Therapeutic Actions*: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)
*Adverse Pharmacological Actions*: Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factora (TNFα) up-regulation : CK(42) : AC(4)

**Hair mercury in breast-fed infants exposed to thimerosal-preserved vaccines indicates significant levels of exposure.** - GMI Summary

*Article Published Date*: Sep 01, 2007
**Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein.** - GMI Summary


**Article Published Date**: Sep 01, 2005

**Authors**: Dimitrios-Petrou Bogdanos, Heather Smith, Yun Ma, Harold Baum, Giorgina Mieli-Vergani, Diego Vergani

**Study Type**: Human Study

**Diseases**: Autoimmune Diseases: CK(5317) : AC(779), Demyelinating Diseases : CK(1278) : AC(250), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Additional Keywords**: Hepatitis B Vaccine : CK(30) : AC(2), Molecular Mimicry : CK(47) : AC(10)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

---

**Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities.** - GMI Summary

**Pubmed Data**: Hepatogastroenterology. 2002 Nov-Dec;49(48):1571-5. PMID: 12397738

**Article Published Date**: Nov 01, 2002

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study

**Diseases**: Gastrointestinal Diseases : CK(38) : AC(14), Hepatitis : CK(64) : AC(23), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

---

**Hepatitis B vaccine is associated with an increased risk of liver problems in U.S. children less than 6 years old, 1993 and 1994.** - GMI Summary

**Pubmed Data**: Epidemiology. 1999 May;10(3):337-9. PMID: 10230847

**Article Published Date**: May 01, 1999

**Authors**: M A Fisher, S A Eklund

**Study Type**: Human Study

**Diseases**: Liver Disease : CK(112) : AC(31), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

---

**Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.** - GMI Summary

**Pubmed Data**: Neurology. 2004 Sep 14;63(5):838-42. PMID: 15365133

**Article Published Date**: Sep 14, 2004

**Authors**: Miguel A Hernán, Susan S Jick, Michael J Olek, Hershel Jick

**Study Type**: Human Study

**Diseases**: Demyelinating Diseases : CK(1278) : AC(250), Hepatitis B : CK(226) : AC(39), Multiple Sclerosis : CK(716) : AC(133), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Additional Keywords**: Hepatitis B Vaccine : CK(30) : AC(2)
**Hepatitis B vaccine may have a possible association with the development of uveitis in some patients.** - GMI Summary


Article Published Date: Mar 01, 2010

Authors: Frederick W Fraunfelder, Eric B Suhler, Frederick T Fraunfelder

Study Type: Human Study

Additional Links

Diseases: Uveitis: CK(63) : AC(10), Vaccine-induced Toxicity: CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

**Hepatitis C prevalence in Southern Italy may be due to iatrogenic transmission through the Salk Polio vaccine 1956-1965.** - GMI Summary


Article Published Date: May 01, 2003

Authors: Maurizio Montella, Anna Crispo, Maria Grimaldi, Vincenzo Tridente, Mario Fusco

Study Type: Human Study

Additional Links

Diseases: Hepatitis C: CK(403) : AC(62), Vaccine-induced Toxicity: CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312)

**High titre measles vaccination increases female mortality in those receiving immunization in West Africa.** - GMI Summary


Article Published Date: Jun 01, 1996

Authors: K M Knudsen, P Aaby, H Whittle, M Rowe, B Samb, F Simondon, J Sterne, P Fine

Study Type: Human Study

Additional Links

Diseases: Measles: CK(193) : AC(8), Vaccine-induced Toxicity: CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Measles: CK(157) : AC(16)

**Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.** - GMI Summary


Article Published Date: Jan 01, 2009

Authors: I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett

Study Type: Human Study

Additional Links

Diseases: Demyelinating Diseases: CK(1278) : AC(250), HPV: CK(31) : AC(4), Human Papillomavirus (HPV): CK(153) : AC(22), Vaccine-induced Toxicity: CK(1130) : AC(163)

Additional Keywords: HPV Vaccine: CK(10) : AC(1)

Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: HPV (Gardisil): CK(105) : AC(13)

**In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.** - GMI Summary


Article Published Date: Jan 01, 1975

Authors: V Boniuk

Study Type: Human Study

Additional Links

Diseases: Cataract: CK(182) : AC(55), Pregnancy: Vaccination: CK(92) : AC(16), Rubella: CK(54) : AC(52)
In the US the highest number of cases of Guillain-Barre syndrome are associated with influenza and hepatitis B vaccines. - GMI Summary

Pubmed Data: J Clin Neuromuscul Dis. 2009 Sep;11(1):1-6. PMID: 19730016
Article Published Date: Sep 01, 2009
Authors: Nizar Souayah, Abu Nasar, M Fareed K Suri, Adnan I Qureshi
Study Type: Human Study
Additional Links
Diseases: Guillain-Barre Syndrome: CK(84) : AC(14), Vaccine-induced Toxicity: CK(1130) : AC(163)

Incidence of adverse reactions to vaccines in pediatric populations are under-reported and may be as high as 43.4% for certain vaccine combinations. - GMI Summary

Article Published Date: Jan 01, 2004
Authors: Pilar Carrasco-Garrido, Carmen Gallardo-Pino, Rodrigo Jiménez-García, Miguel A Tapias, Angel Gil de Miguel
Study Type: Human Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1130) : AC(163)

Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period. - GMI Summary

Article Published Date: Jul 19, 2010
Authors: Mark R Nelson, Helena C Britt, Christopher M Harrison
Study Type: Human Study
Additional Links
Diseases: Chickenpox: CK(80) : AC(8), Herpes Zoster: CK(470) : AC(35), Shingles: CK(521) : AC(33), Vaccine-induced Toxicity: CK(1130) : AC(163)
Additional Keywords: Chicken Pox (Varicella) Shingles (Herpes Zoster) Connection: CK(20) : AC(2)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Varicella (Chicken pox): CK(164) : AC(20)

Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events. - GMI Summary

Pubmed Data: J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: 20964738
Article Published Date: Sep 01, 2010
Authors: Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea
Study Type: Human Study
Additional Links
Diseases: C-Reactive Protein: CK(819) : AC(74), Cardiovascular Diseases: CK(5138) : AC(641), Diabetes Mellitus: Type 2: CK(3507) : AC(341), Influenza A: CK(305) : AC(73), Vaccine-induced Toxicity: CK(1130) : AC(163)
Pharmacological Actions: Interleukin-6 upregulation: CK(26) : AC(7)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)
Influenza vaccination may increase the risk of Guillain-Barré Syndrome. - GMI Summary

Article Published Date: Dec 01, 2008
Authors: C I Blanco-Marchite, L Buznego-Suárez, M A Fagúndez-Vargas, M Méndez-Llatas, P Pozo-Martos
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

Influenza vaccines may be causing vasculitis. - GMI Summary

Article Published Date: Aug 01, 2000
Authors: Rainer Birck, Isabelle Kaelsch, Peter Schnuelle, Luis Felipe Flores-Suárez, Rainer Nowack
Study Type: Human Study
Additional Links

Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons. - GMI Summary

Article Published Date: Nov 01, 2009
Authors: Peter G Szilagyi, Gerry Fairbrother, Marie R Griffin, Richard W Hornung, Stephanie Donauer, Ardythe Morrow, Mekibib Altaye, Yuwei Zhu, Sandra Ambrose, Kathryn M Edwards, Katherine A Poehling, Geraldine Loftus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat
Study Type: Human Study
Additional Links

Injection site reactions occur in 28% of those who receive the anthrax vaccine, with women having twice the incidence of reaction versus men. - GMI Summary

Pubmed Data: Pharmacoepidemiol Drug Saf. 2007 Mar;16(3):259-74. PMID: 17245803
Article Published Date: Mar 01, 2007
Authors: Michael M McNeil, I-Shan Chiang, John T Wheeling, Yujia Zhang
Study Type: Human Study
Additional Links
Diseases: Anthrax: CK(43): AC(6), Vaccine-induced Toxicity: CK(1130): AC(163)
Additional Keywords: Gender Differences: CK(63): AC(8)

Live attenuated influenza vaccines may cause shedding of the virus in children 6-59 months. - GMI Summary

Pubmed Data: Vaccine. 2011 Apr 20. Epub 2011 Apr 20. PMID: 21513761
Article Published Date: Apr 20, 2011
Authors: Raburn M Mallory, Tingting Yi, Christopher S Ambrose
Study Type: Human Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1130): AC(163)
Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders.  - GMI Summary

Article Published Date : Apr 01, 2000
Authors : H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield
Study Type : Human Study
Additional Links
Diseases : Autism Spectrum Disorders : CK(1160) : AC(112), Inflammatory Bowel Diseases : CK(1227) : AC(103), Ulcerative Colitis : CK(429) : AC(39), Vaccine-induced Toxicity : CK(1130) : AC(163)

Measles-mumps-rubella vaccine that is given in the second year of life is associated with an increased risk of immune thrombocytopenia purpura.  - GMI Summary

Article Published Date : Mar 01, 2008
Authors : Eric K France, Jason Glanz, Stanley Xu, Simon Hambidge, Kristi Yamasaki, Steve B Black, Michael Marcy, John P Mullooly, Lisa A Jackson, James Nordin, Edward A Belongia, K Hohman, Robert T Chen, Robert Davis,
Study Type : Human Study
Additional Links

Noticeable adverse reactions to the HPV vaccine occured in 22% of those polled.  - GMI Summary

Article Published Date : Dec 14, 2010
Authors : M Amparo Torrecilla Rojas, Miguel Pedregal González, Fermín García Rodríguez, Josefa Ruiz Fernández
Study Type : Human Study
Additional Links
Diseases : Vaccine-induced Toxicity : CK(1130) : AC(163)

Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary.  - GMI Summary

Article Published Date : Jul 31, 2011
Authors : Concepción F Estívariz, Zsuzsanna Molnár, Linda Venczel, Beatrix Kapusinszky, James A Zingeser, Galina Y Lipskaya, Olen M Kew, György Berencsi, Agnes Csohán
Study Type : Human Study
Additional Links
**Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible individuals.** - GMI Summary

Pubmed Data: Cytotechnology. 2002 Nov;40(1-3):139-49. PMID: 20447868
Article Published Date: Nov 01, 2002
Authors: Anne M McIntosh, Jacinta McMahon, Leanne M Dibbens, Xenia Iona, John C Mulley, Ingrid E Scheffer, Samuel F Berkovic
Study Type: Human Study

**Pertussis vaccine has been linked to hypotonic-hyporesponse episodes (HHE) in infants and children.** - GMI Summary

Article Published Date: Jan 01, 2002
Authors: Michael S Gold
Study Type: Human Study
Diseases: Vaccine-induced Toxicity : CK(1130) : AC(163)

**Rates of intussusception associated with rotavirus vaccines may be significantly underestimated.** - GMI Summary

Pubmed Data: J Infect Dis. 2009 Nov 1;200 Suppl 1:S264-70. PMID: 19817607
Article Published Date: Nov 01, 2009
Authors: Margaret M Cortese, Mary Allen Staat, Geoffrey A Weinberg, Kathryn Edwards, Marilyn A Rice, Peter G Szilagyi, Caroline B Hall, Daniel C Payne, Umesh D Parashar
Study Type: Human Study
Diseases: Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception.** - GMI Summary

Article Published Date: Apr 01, 2004
Authors: Penina Haber, Robert T Chen, Lynn R Zanardi, Gina T Mootrey, Roseanne English, M Miles Braun,
Study Type: Human Study
Diseases: Gastroenteritis : CK(96) : AC(11), Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Rotavirus vaccinations have a history of causing adverse effects such as intussusception.** - GMI Summary

Article Published Date: Jun 01, 2001
Authors: L R Zanardi, P Haber, G T Mootrey, M T Niu, M Wharton
Study Type: Human Study
Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occurred in metabolically vulnerable children. - GMI Summary

Article Published Date: Apr 01, 2007
Authors: Kumanan Wilson, Beth Potter, Douglas Manuel, Jennifer Keelan, Pranesh Chakraborty
Study Type: Human Study

Smallpox vaccine caused iatrogenic vaccinia in children in Russia. - GMI Summary

Pubmed Data: Zh Mikrobiol Epidemiol Immunobiol. 2001 Mar-Apr(2):40-5. PMID: 11548257
Article Published Date: Mar 01, 2001
Study Type: Human Study

Sudden Infant Death syndrome mortality rate in the period zero to three days following DTP was found to be 7.3 times higher than in the period 30 days after immunization. - GMI Summary

Article Published Date: Aug 01, 1987
Authors: A M Walker, H Jick, D R Perera, R S Thompson, T A Knauss
Study Type: Human Study

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome. - GMI Summary

Article Published Date: Jul 15, 2008
Authors: Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huang Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen
Study Type: Human Study

Additional Links
Diseases: Intussusception: CK(30) : AC(3), Vaccine-induced Toxicity: CK(1130) : AC(163)
Additional Links: Vaccination: All: CK(3934) : AC(312), Vaccination: Rotavirus: CK(33) : AC(6)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Pertussis : CK(116) : AC(14)

Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Pertussis : CK(116) : AC(14)

Additional Links
Diseases: Smallpox: CK(23) : AC(4), Vaccine-induced Toxicity: CK(1130) : AC(163), Vaccinia virus: CK(22) : AC(4)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS): CK(138) : AC(18), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus: CK(283) : AC(31)

Additional Links
Diseases: Acute Autoimmune Neuropathy: CK(104) : AC(2), Autoimmune Diseases: CK(5317) : AC(779), Guillain-Barre Syndrome: CK(84) : AC(14), Influenza: CK(654) : AC(102), Swine Flu Associated Virus: CK(156) : AC(33), Vaccine-induced Toxicity: CK(1130) : AC(163)
Additional Keywords: Influenza Vaccine: CK(10) : AC(1), Swine Flu Vaccine: CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)
Symptomatic Gulf War Syndrome is strongly associated with the presence of autoantibodies to squalene, an adjuvant used in vaccines. - GMI Summary

Pubmed Data: Exp Mol Pathol. 2000 Feb;68(1):55-64. PMID: 10640454
Article Published Date: Feb 01, 2000
Authors: P B Asa, Y Cao, R F Garry
Study Type: Human Study
Additional Links
Diseases: Gulf War Syndrome: CK(33) : AC(5), Vaccine-induced Toxicity: CK(1130) : AC(163)

The anthrax vaccine is one of the most reactogenic vaccines reported in the Vaccine Adverse Events Reporting System (VAERS) database. - GMI Summary

Article Published Date: May 01, 2004
Authors: Mark R Geier, David A Geier
Study Type: Human Study
Additional Links
Diseases: Anthrax: CK(43) : AC(6), Vaccine-induced Toxicity: CK(1130) : AC(163)

The association with DTWp vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects. - GMI Summary

Article Published Date: Jan 01, 2011
Authors: Mogens Helweg Claesson
Study Type: Human Study
Additional Links
Problem Substances: Adjuvant: CK(18) : AC(6), Aluminum Hydroxide: CK(56) : AC(14), Vaccine Adjuvants: CK(383) : AC(77)

There is a positive association between autism prevalence and childhood vaccination uptake across the U.S. population. - GMI Summary

Article Published Date: Jan 01, 2011
Authors: Gayle Delong
Study Type: Human Study
Additional Links
Diseases: Autism: CK(1262) : AC(65), Autism Spectrum Disorders: CK(1160) : AC(112), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

There were 69 reports of Guillain-Barré Syndrome (GBS) after Gardasil vaccination that occurred in the United States between 2006 and 2009. - GMI Summary

Pubmed Data: Vaccine. 2010 Sep 23. Epub 2010 Sep 23. PMID: 20869467
Article Published Date: Sep 23, 2010
Authors: Nizar Souayah, P A Michas-Martin, Abu Nasar, Nataliya Krivitskaya, Hussam A Yacoub, Hafiz Khan, Adnan I Qureshi
Study Type: Human Study
Additional Links
Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination. - GMI Summary

Article Published Date : Mar 15, 2012
Authors : Natasa Toplak, Vesna Subelj, Tanja Kveder, Sasa Cucnik, Katarina Prosenec, Alenka Trampus-Bakija, Ljupco Todorovski, Tadej Avcin
Study Type : Human Study
Diseases : Arthritis: Juvenile Idiopathic : CK(20) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: HPV (Gardasil) : CK(105) : AC(13)

Thrombocytopenic purpura following vaccination in early childhood has been reported. - GMI Summary

Pubmed Data : J Chin Med Assoc. 2010 Dec;73(12):634-7. PMID: 21145511
Article Published Date : Dec 01, 2010
Authors : Yuh-Lin Hsieh, Lung-Huang Lin
Study Type : Human Study
Diseases : Purpura: Thrombocytopenic : CK(800) : AC(24), Vaccine-induced Toxicity : CK(1130) : AC(163)

Vaccination for DPT, Hepatitis B and influenza has been reported to be associated with the development of erythema multiforme in an infant. - GMI Summary

Pubmed Data : Indian J Dermatol Venereol Leprol. 2008 May-Jun;74(3):251-3. PMID: 18583795
Article Published Date : May 01, 2008
Authors : Sarvjit Kaur, Sanjeev Handa
Study Type : Human Study
Diseases : Erythema : CK(44) : AC(6), Vaccine-induced Toxicity : CK(1130) : AC(163)

Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants. - GMI Summary

Article Published Date : Sep 01, 2000
Authors : I Srugo, D Benilevi, R Madeb, S Shapiro, T Shohat, E Somekh, Y Rimmer, V Gershtein, R Gershtein, E Marva, N Lahat
Study Type : Human Study
Diseases : Pertussis : CK(142) : AC(14), Vaccine-induced Toxicity : CK(1130) : AC(163), Whooping Cough : CK(66) : AC(7)
Additional Keywords : Whooping Cough : CK(66) : AC(7)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Pertussis : CK(116) : AC(14)

Vaccination can precipitate lupus erythematosus. - GMI Summary
**Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.** - GMI Summary

- **Article Published Date**: Dec 09, 2009
- **Authors**: Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin
- **Study Type**: Human Study

**Vaccination is associated with thrombocytopenic purpura in children.** - GMI Summary

- **Article Published Date**: Feb 26, 2007
- **Authors**: J Rajantie, B Zeller, I Treutiger, S Rosthøj,
- **Study Type**: Human Study
- **Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312)

**Vaccination-associated adverse events occur in approximately 1 of every 6 toddlers receiving measles-mumps-rubella vaccine dose 1, with high fever occurring in 1 of 20** - GMI Summary

- **Article Published Date**: Oct 01, 2006
- **Authors**: Charles W LeBaron, Daoling Bi, Bradley J Sullivan, Carol Beck, Paul Gargiullo
- **Study Type**: Human Study
- **Diseases**: Vaccine-induced Toxicity: CK(1130): AC(163)

**Whole cell pertussis vaccines may have been causing serious neurological disorders.** - GMI Summary

- **Pubmed Data**: Brain Dev. 2004 Aug;26(5):296-300. PMID: 15165669
- **Article Published Date**: Aug 01, 2004
- **Authors**: David A Geier, Mark R Geier
- **Study Type**: Human Study
Zinc supplementation has a beneficial effect on malaise, one of the influenza vaccine associated adverse events, and decrease serum TNF-α levels. - GMI

Summary:


Article Published Date: Apr 21, 2011

Authors: S Songül Yalçın, Defne Engür-Karasimav, Dursun Alehan, Kadriye Yurdakök, Süheyla Ozkutlu, Turgay Coşkınum

Study Type: Human Study

Additional Links:

Substances: Zinc : CK(870) : AC(127)

Diseases: Vaccine-induced Toxicity : CK(1130) : AC(163)

Pharmacological Actions: Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(971) : AC(348)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

A case of extensive ulcerating vasculitis following a BCG vaccination has been reported. - GMI

Summary:


Article Published Date: Aug 01, 2009

Authors: A Ghattaura, K A Eley, E Molenaar, G Smith

Study Type: Human: Case Report

Additional Links:

Diseases: Vaccine-induced Toxicity : CK(1130) : AC(163), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: BCG (Tuberculosis) : CK(33) : AC(4)

A case of Leukemia Cutis arising at the site of injection of a Tetanus Booster has been reported. - GMI

Summary:


Article Published Date: Oct 01, 2010

Authors: R M Guinovart, J M Carrascosa, C Ferrándiz

Study Type: Human: Case Report

Additional Links:

Diseases: Leukemia Cutis : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: Tetanus : CK(48) : AC(8)

Acute transverse myelitis after influenza vaccination has been reported. - GMI

Summary:


Article Published Date: Oct 01, 1996

Authors: R Bakshi, J C Mazziotta

Study Type: Human: Case Report

Additional Links:

Diseases: Myelitis : CK(39) : AC(5), Vaccine-induced Toxicity : CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

Autoimmune hemolytic anemia following MF59-adjuvanted influenza vaccine has been reported. - GMI

Summary:


Article Published Date: Jan 01, 2011

Authors: Sabrina Montagnani, Marco Tuccori, Giuseppe Lombardo, Arianna Testi, Stefania Mantarro, Elisa Ruggiero, Corrado Blandizzi

Study Type: Human: Case Report
Autoimmunity following hepatitis B vaccine has been reported. - GMI Summary

Pubmed Data: Lupus. 2012 Feb;21(2):146-52. PMID: 22235045

Article Published Date: Jan 31, 2012

Authors: Y Zafrir, N Agmon-Levin, Z Paz, T Shilton, Y Shoenfeld

Study Type: Human: Case Report

Additional Links

Diseases: Autoimmune Diseases: CK(5317): AC(779), Vaccine-induced Toxicity: CK(1130): AC(163)

Anti Therapeutic Actions: Vaccination: Hepatitis B: CK(347): AC(48)

Adverse Pharmacological Actions: Immunotoxic: CK(230): AC(38)

Case report: a shoulder injury related to vaccine administration. - GMI Summary


Article Published Date: Oct 31, 2012

Authors: Matthew G Barnes, Christopher Ledford, Karen Hogan

Study Type: Human: Case Report

Additional Links


Anti Therapeutic Actions: Vaccination: Influenza: CK(356): AC(37)

Deep morphea after vaccination in two young children has been reported. - GMI Summary


Article Published Date: Sep 01, 2006

Authors: Antonio Torrelo, José Suárez, Isabel Colmenero, Daniel Azorín, Antonio Perera, Antonio Zambrano

Study Type: Human: Case Report

Additional Links


Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

Delayed focal lipoatrophy after AS03-adjuvanted influenza A (H1N1) 2009 vaccine has been reported. - GMI Summary

Pubmed Data: Vaccine. 2010 Dec 17. Epub 2010 Dec 17. PMID: 21172376

Article Published Date: Dec 17, 2010

Authors: Emilie Javelle, Benjamin Soulier, Christian Brosset, Solène Lorcy, Fabrice Simon

Study Type: Human: Case Report

Additional Links


Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed. - GMI Summary


Article Published Date: Jul 22, 2011

Authors: H Yasuda, M Nagata, H Moriyama, H Kobayashi, T Akisaki, H Ueda, K Hara, K Yokono

Study Type: Human: Case Report

Additional Links


Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported. - GMI Summary

**Article Published Date**: Jul 01, 2010
**Authors**: Marie-Eve Tremblay, Aurélie Closon, Guy D’Anjou, Jean-François Bussières
**Study Type**: Human: Case Report
**Additional Links**
**Diseases**: Childhood Infections : CK(275) : AC(29), Guillain-Barre Syndrome : CK(84) : AC(14), Influenza : CK(654) : AC(102), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

Hepatitis B vaccination has been linked to anaphylactic shock and death in infants. - GMI Summary

**Article Published Date**: Jan 01, 1990
**Authors**: Fu-Zhen Wang, Fu-Qiang Cui, Da-Wei Liu
**Study Type**: Human: Case Report
**Additional Links**
**Diseases**: Anaphylaxis : CK(54) : AC(15), Infant Mortality : CK(229) : AC(23), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Hepatitis B vaccine associated with dermatomyositis has been reported. - GMI Summary

**Article Published Date**: Apr 01, 2008
**Authors**: Arie Altman, Martine Szyper-Kravitz, Yehuda Shoenfeld
**Study Type**: Human: Case Report
**Additional Links**
**Diseases**: Dermatomyositis : CK(44) : AC(10), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Immune-mediated myelitis following hepatitis B vaccination has been reported. - GMI Summary

**Pubmed Data**: Autoimmun Rev. 2012 Apr 1. Epub 2012 Apr 1. PMID: 22498789
**Article Published Date**: Apr 01, 2012
**Authors**: Joerg-Patrick Stübgen
**Study Type**: Human: Case Report
**Additional Links**
**Diseases**: Myelitis : CK(39) : AC(5), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

In 1985 twin boys simultaneously succumbed to sudden unexpected deaths two to three hours after vaccination with diphtheria, tetanus, and pertussis vaccine (DTP). - GMI Summary

**Pubmed Data**: Arch Dis Child. 1987 Jul;62(7):754-9. PMID: 3498443
**Article Published Date**: Jul 01, 1987
**Authors**: S C Roberts
**Study Type**: Human: Case Report
Optic neuritis following hepatitis B vaccination has been reported. - GMI Summary


Article Published Date: Nov 01, 2009
Authors: Muferet Erguven, Sirin Guven, Umit Akyuz, Olcay Bilgiç, Fuat Laloglu
Study Type: Human: Case Report

Possible systemic lupus erythematosus following HPV immunization has been reported. - GMI Summary


Article Published Date: Jan 01, 2012
Authors: Hf Soldevilla, Sfr Briones, Sv Navarra
Study Type: Human: Case Report

The psychic reactions following injections of bacterial vaccines. - GMI Summary

Pubmed Data: Int Arch Allergy Appl Immunol. 1950 ;1(3):226-43. PMID: 14794265

Authors: J ILAVSKY
Study Type: Human: Case Report

Vaccination as a probable cause of incontinentia pigmenti reactivation has been reported. - GMI Summary


Article Published Date: Jan 01, 2010
Authors: Ali Alikhan, Andrew D Lee, Donald Swing, Christie Carroll, Gil Yosipovitch
Study Type: Human: Case Report

A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows. - GMI Summary


Article Published Date: Nov 01, 1996
Authors: M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville
Study Type: Animal Study

Additional Links:
Diseases: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

Additional Links:
Diseases: Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Additional Links:
Diseases: Vaccine-induced Toxicity : CK(1130) : AC(163)

Additional Links:
Diseases: Vaccine-induced Toxicity : CK(1130) : AC(163)

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Diseases: Vaccine-induced Toxicity : CK(1130) : AC(163)

Additional Keywords: Vaccine-induced Toxicity : CK(1130) : AC(163)

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Additional Keywords: Vaccine-induced Toxicity : CK(1130) : AC(163)
Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year. - GMI Summary


Article Published Date: Nov 01, 2002
Authors: D A Geier, M R Geier
Study Type: Animal Study
Additional Links

Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination. - GMI Summary

Pubmed Data: J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: 11536329

Article Published Date: Sep 01, 2001
Authors: C Besson Duvanel, P Honegger, J M Matthieu
Study Type: Animal Study
Additional Links
Additional Keywords: Molecular Mimicry: CK(47): AC(10)

Fatal adverse pulmonary reaction in calves after inadvertent intravenous vaccination has been reported. - GMI Summary

Pubmed Data: Vet Pathol. 2005 Jul;42(4):492-5. PMID: 16006609

Article Published Date: Jul 01, 2005
Authors: J D Ramsay, C L Williams, E Simko
Study Type: Animal Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1130): AC(163)

Hepatitis B vaccine alters the expression of 144 genes in the mouse liver within 1 day of vaccination, 7 of which are related to inflammation and metabolism. - GMI Summary


Article Published Date: Jun 21, 2011
Authors: Heyam Hamza, Jianhua Cao, Xinyun Li, Shuhong Zhao
Study Type: Animal Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1130): AC(163)

Hepatitis B vaccine induces cell death in liver cells and mouse liver. - GMI Summary

Maturational changes in amygdala volume and the binding capacity of an opioid antagonist in the amygdala was significantly altered in infant macaques receiving the vaccine schedule. - GMI Summary

Newborn primates receiving mercury-containing hepatitis B vaccines exhibit neurodevelopmental delays. - GMI Summary

Post-infection rabies vaccination increases mortality in mice. - GMI Summary

Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%. - GMI Summary
Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies. - GMI Summary


Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does. - GMI Summary


The mercury containing vaccine adjuvant known as thimerosal has immunosuppressive and autoimmune effects in mice. - GMI Summary


The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer. - GMI Summary


The vaccination of pregnant sheep resulted in abortions and hydranencephaly. - GMI Summary

Pubmed Data: Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: 8825310
The vaccine adjuvant thimerosal induces adverse changes in the cerebellum of mice, lending plausibility to the association between autism and low-dose mercury exposure. - GMI Summary

Pubmed Data: Cell Biol Toxicol. 2009 Apr 9. PMID: 19357975
Article Published Date: Apr 09, 2009
Authors: Takeshi Minami, Eriko Miyata, Yamato Sakamoto, Hideo Yamazaki, Seiji Ichida
Study Type: Animal Study
Additional Links
Diseases: Mercury Poisoning: CK(162) : AC(44), Vaccine-induced Toxicity: CK(1130) : AC(163)
Additional Keywords: Thimerosal: CK(3) : AC(2)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

There is evidence that a DNA vaccine exhibits anti-fertility properties. - GMI Summary

Article Published Date: Jul 12, 2011
Authors: Meng-Fei Yu, Wen-Ning Fang, Gao-Feng Xiong, Ying Yang, Jing-Plan Peng
Study Type: Animal Study
Additional Links
Anti Therapeutic Actions: Vaccination: Plasmid DNA Vaccines : CK(3) : AC(2)

Vaccination of pregnant monkeys resulted in abortions in 2 out of 25. - GMI Summary

Article Published Date: Apr 01, 1991
Authors: A Escajadillo, J K Frenkel
Study Type: Animal Study
Additional Links

Vaccine-induced scrapie has been reported in animals. - GMI Summary

Pubmed Data: J Gen Virol. 2003 Apr;84(Pt 4):1047-52. PMID: 12655108
Article Published Date: Apr 01, 2003
Authors: Gianluigi Zanusso, Cristina Casalone, Pierluigi Acutis, Elena Bozzetta, Alessia Farinazzo, Matteo Gelati, Michele Fiorini, Gianluigi Forloni, Man Sun Sy, Salvatore Monaco, Maria Caramelli
Study Type: Animal Study
Additional Links

"Adverse events associated with 17D-derived yellow fever vaccination--United States, 2001-2002." - GMI Summary

"Mechanisms of aluminum adjuvant toxicity and autoimmunity in pediatric populations." - GMI Summary


"Viral nucleic acids in live-attenuated vaccines: detection of minority variants and an adventitious virus." - GMI Summary


"Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination. - GMI Summary


Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity. - GMI Summary

Pubmed Data: Hum Vaccin. 2011 Aug 1 ;7(8). Epub 2011 Aug 1. PMID: 21785282
Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis. - GMI Summary


Authors: Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier

Study Type: Commentary

Diseases: Aluminum Toxicity: CK(107) : AC(36), Chronic Fatigue Syndrome: CK(397) : AC(28), Myopathy: Inflammatory: CK(1) : AC(1), Vaccine-induced Toxicity: CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Autism spectrum disorders are associated with vaccination, heavy metal toxicity and excitotoxicity. - GMI Summary


Authors: Russell L Blaylock

Study Type: Commentary

Diseases: Autism Spectrum Disorders: CK(1160) : AC(112), Excitotoxicity: CK(56) : AC(33), Vaccine-induced Toxicity: CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome. - GMI Summary


Authors: Joseph Prandota

Study Type: Commentary


Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus: CK(283) : AC(31)

During the first five years of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women. - GMI Summary


Authors: M Siegel

Study Type: Review


Feline injection site-associated sarcoma is a serious problem associated with malignancy. - GMI Summary


Authors: Jolle Kirpensteijn

Study Type: Review


From 1990 to the present, the number of cases (n = 31) and deaths (n = 12) from the yellow fever vaccine in travelers has exceeded the reports of YF (n = 6) acquired by natural infection. - GMI Summary

Article Published Date: Apr 01, 2012
Authors: Thomas P Monath
Study Type: Review
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1130): AC(163), Yellow Fever: CK(1): AC(1)

Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis. - GMI Summary

Article Published Date: Jan 01, 2006
Authors: Yannick Comenge, Marc Girard
Study Type: Commentary
Additional Links

Hepatitis B vaccinations is associated with autoimmune hazards. - GMI Summary

Pubmed Data: Autoimun Rev. 2005 Feb;4(2):96-100. PMID: 15722255
Article Published Date: Feb 01, 2005
Authors: Marc Girard
Study Type: Review
Additional Links
Additional Keywords: Molecular Mimicry: CK(47): AC(10)

HIV-1/AIDS may have been caused by contaminated polio vaccines grown in SIV infected chimpanzee kidney cells during the late 1950's. - GMI Summary

Article Published Date: Jan 28, 2010
Authors: E Hooper
Study Type: Commentary
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1130): AC(163)
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

In 2011, there were an extra 47,500 new cases of non-polio acute flaccid paralysis (NPAFP); Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio received. - GMI Summary
**Infection and vaccines are triggers for autoimmune disease.** - GMI Summary


**Article Published Date**: Apr 01, 2012

**Authors**: Neetu Vashisht, Jacob Puliyel

**Study Type**: Review

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Polio: CK(94): AC(15)

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**Measles vaccination in developing countries has resulted in higher infant mortality rates.** - GMI Summary


**Article Published Date**: May 01, 2005

**Authors**: Vered Molina, Yehuda Shoenfeld

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autoimmune Diseases: CK(5317): AC(779), Vaccine-induced Toxicity: CK(1130): AC(163)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312)

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**Over 40,000 cases of AFP are reported annually since 2007 regardless of the number of actual polio cases.** - GMI Summary


**Article Published Date**: Jan 01, 2012

**Authors**: Rie R Yotsu, Katharine Abba, Helen Smith, Abhijit Das

**Study Type**: Review

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Polio: CK(94): AC(15)

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**Review: possible adverse effects that are associated with smallpox vaccination.** - GMI Summary


**Article Published Date**: Feb 21, 2003

**Authors**: Joanne Cono, Christine G Casey, David M Bell,

**Study Type**: Review

**Additional Links**

**Diseases**: Smallpox: CK(23): AC(4), Vaccine-induced Toxicity: CK(1130): AC(163)

**Pharmacological Actions**: Antiviral Agents: CK(625): AC(293)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Smallpox: CK(71): AC(8)

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**Rotavirus vaccines have been found contaminated with porcine circovirus.** - GMI Summary

The epidemic of autism may be linked to both vaccinations and mitochondrial diseases. - GMI Summary

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions. - GMI Summary

The number of elective abortions following vaccination during pregnancy may be under-reported and could be substantial. - GMI Summary

Transmissible spongiform encephalopathies may be passed iatrogenically through vaccines. - GMI Summary
Vaccination against novel H1N1 may accelerate atherogenesis (heart disease). - GMI Summary


Article Published Date: Oct 23, 2009

Authors: Sucharit Bhakdi, Karl Lackner, Hans-Wilhelm Doerr

Study Type: Commentary

Additional Links: 
Diseases: H1N1 Infection: CK(467) : AC(87), Swine Flu Associated Virus: CK(156) : AC(33), Vaccine-induced Toxicity: CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Vaccination for contraception. - GMI Summary


Article Published Date: Jun 01, 1994

Authors: W R Jones

Study Type: Review

Additional Links:
Diseases: Vaccine-induced Toxicity: CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Vaccination may be contributing to autoimmune disease. - GMI Summary


Article Published Date: Feb 01, 2000

Authors: Y Shoenfeld, A Aron-Maor

Study Type: Commentary

Additional Links: 
Diseases: Autism Spectrum Disorders : CK(1160) : AC(112), Autoimmune Diseases : CK(5317) : AC(779), Multiple Sclerosis : CK(716) : AC(133), Vaccine-induced Toxicity : CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary


Article Published Date: Feb 01, 2010

Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type: Commentary

Additional Links: 


Vaccination proponents have suggested that breastfeeding should be delayed in order to prevent immune factors within breast milk from inactivating vaccine-associated antibody titer elevations and vaccine potency. - GMI Summary


Article Published Date: Oct 01, 2010

Authors: Sung-Sil Moon, Yuhuan Wang, Andi L Shane, Trang Nguyen, Pratima Ray, Penelope Dennehy,
Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent recombination events and mutations. - GMI Summary

Pubmed Data : J Infect Dis. 2012 May 1;205(9):1363-73. Epub 2012 Mar 29. PMID: 22457288
Article Published Date : May 01, 2012
Authors : Marie-Line Joffret, Sophie Jégouic, Maël Bessaud, Jean Balanant, Coralie Tran, Valerie Caro, Barbara Holmblat, Richter Razafindratsimandresy, Jean-Marc Reyes, Mala Rakoto-Andrianariveloto, Francis Delpeyroux
Study Type : Review
Additional Links
Diseases : Polio : CK(19) : AC(8), Polio: Vaccine-Related : CK(1) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions : Vaccination: Polio : CK(94) : AC(15)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children. - GMI Summary

Article Published Date : Apr 01, 2009
Authors : Donald A Drum
Study Type : Commentary
Additional Links
Additional Keywords : Thimerosal : CK(3) : AC(2)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312)

 Topic: Measles

"The design and reporting of safety outcomes in MMR vaccine studies, both pre- and post-marketing, are largely inadequate." - GMI Summary

Article Published Date : Dec 31, 2011
Authors : Vittorio Demicheli, Alessandro Rivetti, Maria Grazia Debalini, Carlo Di Pietrantonj
Study Type : Meta Analysis
Additional Links
Diseases : Measles : CK(193) : AC(8), Mumps : CK(41) : AC(1), Rubella : CK(54) : AC(4)
Additional Keywords : Rubella : CK(54) : AC(4), Vaccine Safety : CK(21) : AC(2)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

"A history of prior vaccination is not always associated with immunity nor with the presence of specific antibodies." - GMI Summary

Article Published Date : Jul 31, 1988
Authors : L Sekla, W Stackiw, G Eibisch, I Johnson
Study Type : Human Study
Additional Links
Diseases : Measles : CK(193) : AC(8)
A 1993 outbreak of measles in a highly immunised Australian population. - GMI Summary

Authors: A Herceg, I Passaris, C Mead
Study Type: Human Study
Diseases: Measles : CK(193) : AC(8)
Additional Keywords: Vaccine Failure : CK(123) : AC(13)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

A major measles epidemic occurred in 1989 in the region of Quebec despite a 99% vaccine coverage. - GMI Summary

Authors: N Boulianne, G De Serres, B Duval, J R Joly, F Meyer, P Déry, M Alary, D Le Hénaff, N Thériault
Study Type: Human Study
Diseases: Measles : CK(193) : AC(8)
Additional Keywords: Vaccine Failure : CK(123) : AC(13)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

A measles outbreak at a college with a prematriculation immunization requirement. - GMI Summary

Authors: B S Hersh, L E Markowitz, R E Hoffman, D R Hoff, M J Doran, J C Fleishman, S R Preblud, W A Orenstein
Study Type: Human Study
Diseases: Measles : CK(193) : AC(8)
Additional Keywords: Vaccine Failure : CK(123) : AC(13)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

A measles outbreak in Montana in 1985 indicates vaccine failure. - GMI Summary

Pubmed Data: Am J Epidemiol. 1987 Sep ;126(3):438-49. PMID: 3618578
Authors: R M Davis, E D Whitman, W A Orenstein, S R Preblud, L E Markowitz, A R Hinman
Study Type: Human Study
Diseases: Measles : CK(193) : AC(8)
Additional Keywords: Vaccine Failure : CK(123) : AC(13)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

Despite a high coverage with measles vaccines in parts of west Africa, epidemics of measles occur with reduced severity in an increasing proportion of
older children who have been vaccinated. - GMI Summary

Article Published Date: Jan 08, 1999
Authors: H C Whittle, P Aaby, B Samb, H Jensen, J Bennett, F Simondon
Study Type: Human Study
Additional Links
Diseases: Measles: CK(193) : AC(8)
Additional Keywords: Vaccine Failure: CK(123) : AC(13)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

Even though 95% of the children had measles antibodies after vaccination, vaccine efficacy was not more than 68%. - GMI Summary

Article Published Date: Oct 31, 1990
Authors: P Aaby, K Knudsen, T G Jensen, J Thårup, A Poulsen, M Sodemann, M C da Silva, H Whittle
Study Type: Human Study
Additional Links
Diseases: Measles: CK(193) : AC(8), Vaccine-induced Toxicity: CK(1130) : AC(163)
Additional Keywords: Antibody Theory Of Vaccinology: CK(35) : AC(5), Vaccine Failure: CK(123) : AC(13)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

High titre measles vaccination increases female mortality in those receiving immunization in West Africa. - GMI Summary

Article Published Date: Jun 01, 1996
Authors: K M Knudsen, P Aaby, H Whittle, M Rowe, B Samb, F Simondon, J Sterne, P Fine
Study Type: Human Study
Additional Links
Diseases: Measles: CK(193) : AC(8), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

High-titer measles vaccination before 9 months of age has been linked to increased female mortality. - GMI Summary

Article Published Date: Jul 01, 2003
Authors: Peter Aaby, Henrik Jensen, Francois Simondon, Hilton Whittle
Study Type: Human Study
Additional Links
Diseases: Child Mortality: CK(64) : AC(8), Measles: CK(193) : AC(8)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

In a measles outbreak from March 1991 to April 1992 in Rio de Janeiro 76.4% of those suspected to be infected had received measles vaccine before their first birthday. - GMI Summary

Article Published Date: Sep 30, 1995
Authors: S A de Oliveira, W N Soares, M O Dalston, M T de Almeida, A J Costa
Study Type: Human Study
Additional Links
Diseases: Measles: CK(193) : AC(8)
Additional Keywords: Vaccine Failure: CK(123) : AC(13)
Measles outbreak in a fully immunized secondary-school population with up to 99 percent vaccination. - GMI Summary

Article Published Date : Mar 25, 1987
Authors : T L Gustafson, A W Lievens, P A Brunell, R G Moellenberg, C M Buttery, L M Sehulster
Study Type : Human Study
Additional Links
Diseases : Measles : CK(193) : AC(8)
Additional Keywords : Antibody Theory Of Vaccinology : CK(35) : AC(5), Vaccine Failure : CK(123) : AC(13)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

Measles, mumps, and rubella catch up immunisation in a measles epidemic did not appear to confer protection and was associated with a variety of new side effects of the vaccine. - GMI Summary

Article Published Date : Jun 23, 1995
Authors : R J Roberts, Q D Sandifer, M R Evans, M Z Nolan-Farrell, P M Davis
Study Type : Human Study
Additional Links
Diseases : Measles : CK(193) : AC(8), Mumps : CK(41) : AC(1), Rubella : CK(54) : AC(4)
Additional Keywords : Vaccine Failure : CK(123) : AC(13)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

Primary and secondary vaccine failure may explain the 1992 measles epidemic in Cape Town. - GMI Summary

Article Published Date : Feb 28, 1994
Authors : N Coetzee, G D Hussey, G Visser, P Barron, A Keen
Study Type : Human Study
Additional Links
Diseases : Measles : CK(193) : AC(8)
Additional Keywords : Vaccine Failure : CK(123) : AC(13)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism. - GMI Summary

Article Published Date : Jul 01, 2002
Authors : Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson
Study Type : Human Study
Additional Links
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

The occurrence of secondary vaccine failure and vaccine-modified measles in the United States may lead to underreporting of measles cases and result in overestimation of vaccine efficacy in h - GMI Summary
Measles vaccination in developing countries has resulted in higher infant mortality rates. - GMI Summary

MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder. - GMI Summary

Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia. - GMI Summary

There is a lack of evidence for the effectiveness of influenza vaccines in adults aged 65 years or older. - GMI Summary
There is no solid evidence available supporting the belief that vaccines are effective in preventing influenza in the elderly. - GMI Summary

Article Published Date: Jan 01, 2010
Authors: Tom Jefferson, Carlo Di Pietrantonj, Lubna A Al-Ansary, Eliana Ferroni, Sarah Thorning, Roger E Thomas
Study Type: Meta Analysis
Diseases: Elderly: Age Specific Diseases : CK(442) : AC(37), Influenza : CK(654) : AC(102)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

We concluded that there is no credible evidence that vaccination of healthy people under the age of 60, who are healthcare workers caring for the elderly, affects influenza complications in those cared for. - GMI Summary

Article Published Date: Jan 01, 2006
Authors: R E Thomas, T Jefferson, V Demicheli, D Rivetti
Study Type: Meta Analysis
Diseases: Influenza : CK(654) : AC(102)
Additional Keywords: Influenza : CK(654) : AC(102)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

Annual influenza vaccination hampers the development of virus-specific CD8(+) T cell responses necessary to protect against influenza infection. - GMI Summary

Article Published Date: Nov 01, 2011
Authors: Rogier Bodewes, Pieter L A Fraaij, Martina M Geelhoed-Mieras, Carel A van Baalen, Harm A W M Tiddens, Annemarie M C van Rossum, Fiona R van der Klis, Ron A M Fouchier, Albert D M E Osterhaus, Guus F Rimmelzwaan
Study Type: Human Study
Diseases: Cystic Fibrosis : CK(703) : AC(77), Influenza : CK(654) : AC(102)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)
Adverse Pharmacological Actions: Immunosuppressive : CK(155) : AC(23)

Influenza vaccination may increase the risk of Guillain-Barré Syndrome. - GMI Summary

Article Published Date: Dec 01, 2008
Authors: C I Blanco-Marchite, L Buznego-Suárez, M A Fagúnzdez-Vargas, M Méndez-Llatas, P Pozo-Martos
Study Type: Human Study
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)
Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons. - GMI Summary

Authors: Peter G Szilagyi, Gerry Fairbrother, Marie R Griffin, Richard W Hornung, Stephanie Donauer, Ardythe Morrow, Mekibib Altaye, Yuwei Zhu, Sandra Ambrose, Kathryn M Edwards, Katherine A Poehling, Geraldine Loftus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome. - GMI Summary

Authors: Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated. - GMI Summary

Pubmed Data: Arch Intern Med. 2005 Feb 14;165(3):265-72. PMID: 15710788
Authors: Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller

Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported. - GMI Summary

Authors: Marie-Eve Tremblay, Aurélie Closon, Guy D'Anjou, Jean-François Bussières

H1N1 vaccination has been linked to possible new-onset seizure. - GMI Summary

**Topic: Chickenpox**

*Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease.* - GMI Summary


**Approximately 1 in every 5 children who receives 1 dose of varicella vaccine may develop varicella disease, also known as breakthrough disease, if exposed to varicella-zoster virus.** - GMI Summary

Pubmed Data: J Infect Dis. 2008 Mar 1 ;197 Suppl 2:S127-31. PMID: 18419385

**Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.** - GMI Summary


**Loss of vaccine-induced immunity to varicella over time.** - GMI Summary

Varicella vaccine has been associated with viremia and streptococcal toxic shock syndrome. - GMI Summary

Article Published Date: Apr 20, 2009
Authors: Claire M Italiano, Cheryl S Toi, Simon P Chan, Dominic E Dwyer
Study Type: Human Study
Additional Links
Diseases: Chickenpox: CK(80): AC(8)
Anti Therapeutic Actions: Vaccination: Varicella (Chicken pox): CK(164): AC(20)

Varicella vaccine has been reported to cause chronic, acyclovir-resistant herpes zoster infection in an immunosuppressed child. - GMI Summary

Article Published Date: Oct 01, 2003
Authors: Myron J Levin, Karen M Dahl, Adriana Weinberg, Roger Giller, Amita Patel, Philip R Krause
Study Type: Human Study
Additional Links
Diseases: Chickenpox: CK(80): AC(8), Viremia: CK(10): AC(1)
Pharmacological Actions: Antiviral Agents: CK(625): AC(293)
Additional Keywords: Acyclovir-Resistance: CK(11): AC(2)

Varicella vaccine has been reported to cause viral meningitis in an immunocompetent child. - GMI Summary

Article Published Date: Jun 01, 2009
Authors: Sujit Iyer, Manoj K Mittal, Richard L Hodinka
Study Type: Human Study
Additional Links
Diseases: Chickenpox: CK(80): AC(8), Herpes Zoster: CK(470): AC(35)
Pharmacological Actions: Antiviral Agents: CK(625): AC(293)
Additional Keywords: Undefined: CK(14): AC(3)

Varicella vaccine may be associated with aplastic anemia in children. - GMI Summary

Article Published Date: Aug 01, 2009
Authors: Paola Angelini, Fotini Kavadas, Navneet Sharma, Susan E Richardson, Graham Tipples, Chaim Roifman, Yigal Dror, Yehuda Nofech-Mozes
Study Type: Human Study
Additional Links

Varicella vaccine virus can be contagious and infect others - Article 2. - GMI Summary
Varicella vaccine virus can be contagious and infect others. - GMI Summary

Topic: Hepatitis B

Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem. - GMI Summary

When polled 5% of nonpediatricians would not use Haemophilus influenzae type b vaccine if they had a child born in 2004. - GMI Summary

Acute hepatitis B can occur in those who are vaccinated against it and who are exposed through unprotected sexual contact and iatrogenically. - GMI Summary
**Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.** - GMI Summary


**Article Published Date**: Oct 01, 2008

**Authors**: Agmon-Levin Nancy, Yehuda Shoenfeld

**Study Type**: Human Study

**Additional Links**

**Diseases**: Breast Augmentation Complications: CK(32) : AC(4), Chronic Fatigue Syndrome : CK(397) : AC(28), Hepatitis B : CK(226) : AC(39), Silicone Implant Toxicity : CK(10) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Additional Keywords**: Silicone Implants : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312)

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**Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.** - GMI Summary

**Pubmed Data**: Autoimmunity. 2005 Jun;38(4):295-301. PMID: 16206512

**Article Published Date**: Jun 01, 2005

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Hepatitis B vaccination with or without hepatitis B immunoglobulin at birth to babies born of HBsAg-positive mothers prevents overt HBV transmission but may not prevent occult HBV infection in babies: a randomized controlled trial.** - GMI Summary

**Article Published Date**: Oct 31, 2013

**Authors**: C Pande, S K Sarin, S Patra, A Kumar, S Mishra, S Srivastava, K Bhutia, E Gupta, C K Mukhopadhayay, A K Dutta, S S Trivedi

**Study Type**: Human Study

**Additional Links**

**Diseases**: Hepatitis B : CK(226) : AC(39)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B : CK(347) : AC(48)

**Problem Substances**: Hepatitis Viruses : CK(1) : AC(1)

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**Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.** - GMI Summary

**Pubmed Data**: Neurology. 2004 Sep 14;63(5):838-42. PMID: 15365133

**Article Published Date**: Sep 14, 2004

**Authors**: Miguel A Hernán, Susan S Jick, Michael J Olek, Hershel Jick

**Study Type**: Human Study

**Additional Links**

**Diseases**: Demyelinating Diseases : CK(1278) : AC(250), Hepatitis B : CK(226) : AC(39), Multiple Sclerosis : CK(716) : AC(133), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B Vaccine : CK(30) : AC(2)

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**Newborn primates receiving mercury-containing hepatitis B vaccines exhibit neurodevelopmental delays.** - GMI Summary
Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis. - GMI Summary

Hepatitis B vaccinations is associated with autoimmune hazards. - GMI Summary

The demyelinating effect of hepatitis B vaccination could be due to the contamination of the vaccine by partial hepatitis B virus polymerase. - GMI Summary

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin. - GMI Summary
Diseases: Autism: CK(1262) : AC(65), Autoimmune Diseases : CK(5317) : AC(779), Demyelinating Diseases : CK(1278) : AC(250), Epstein-Barr Virus Infections : CK(100) : AC(43), Hepatitis B : CK(226) : AC(39).


The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions. - GMI Summary

Article Published Date: May 25, 1994
Authors: K R Stratton, C J Howe, R B Johnston
Study Type: Review
Additional Links


**Topic: Sudden Infant Death Syndrome (SIDS)**

**Over 600 cases of sudden infant death syndrome following vaccination were reported from 1990-1997.** - GMI Summary

Article Published Date: Jun 01, 2001
Authors: L E Silvers, S S Ellenberg, R P Wise, F E Varricchio, G T Mootrey, M E Salive
Study Type: Meta Analysis
Additional Links
Diseases: Infant Mortality : CK(229) : AC(23), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312).

**Vaccination in infants less than 3 months is associated with an increased risk of sudden infant death syndrome.** - GMI Summary

Article Published Date: Jan 01, 1995
Authors: A P Jonville-Bera, E Autret, J Laugier
Study Type: Meta Analysis
Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)


**Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occurred in metabolically vulnerable children.** - GMI Summary

Article Published Date: Apr 01, 2007
Authors: Kumanan Wilson, Beth Potter, Douglas Manuel, Jennifer Keelan, Pranesh Chakraborty
Study Type: Human Study
Additional Links
Diseases: Encephalopathy: Acute Necrotizing : CK(20) : AC(2), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Sudden infant death syndrome and DTP vaccine timing may be linked.** - GMI Summary


Article Published Date: Jul 01, 2002

Authors: L J Baraff, W J Ablon, R C Weiss

Study Type: Human Study

Additional Links

Diseases: Sudden Infant Death Syndrome (SIDS): CK(138): AC(18)


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**Sudden Infant Death Syndrome mortality rate in the period zero to three days following DTP was found to be 7.3 times higher than in the period 30 days after immunization.** - GMI Summary


Article Published Date: Aug 01, 1987

Authors: A M Walker, H Jick, D R Perera, R S Thompson, T A Knauss

Study Type: Human Study

Additional Links


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**A case of sudden infant death associated with hexavalent immunization has been reported.** - GMI Summary


Article Published Date: Aug 06, 2008

Authors: Stefano D'Errico, Margherita Neri, Irene Riezzo, Giuseppina Rossi, Cristoforo Pomara, Emanuela Turillazzi, Vittorio Fineschi

Study Type: Human: Case Report

Additional Links

Diseases: Sudden Infant Death Syndrome (SIDS): CK(138): AC(18)


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**Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.** - GMI Summary


Article Published Date: Jan 01, 1990

Authors: Fu-Zhen Wang, Fu-Qiang Cui, Da-Wei Liu

Study Type: Human: Case Report

Additional Links


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**In 1985 twin boys simultaneously succumbed to sudden unexpected deaths two to three hours after vaccination with diphtheria, tetanus, and pertussis vaccine (DTP).** - GMI Summary


Article Published Date: Jul 01, 1987
Simultaneous sudden infant death syndrome has been reported in twins two days after receiving multiple vaccinations. - GMI Summary

Pubmed Data: J Forensic Leg Med. 2007 Feb;14(2):87-91. PMID: 17654772
Article Published Date: Feb 01, 2007
Authors: Yasemin Balci, Mehmet Tok, B Kenan Kocaturk, Cinar Yenilmez, Coşkun Yirulmaz
Study Type: Human: Case Report
Additional Links

Sudden infant death syndrome (SIDS) shortly after hexavalent vaccination has been reported. - GMI Summary

Article Published Date: Jan 01, 2006
Authors: Giulia Ottaviani, Anna Maria Lavezzi, Luigi Matturri
Study Type: Human: Case Report
Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS): CK(138): AC(18)

DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome. - GMI Summary

Article Published Date: Jul 01, 2010
Authors: Joseph Prandota
Study Type: Commentary
Additional Links

Topic: Infant Mortality

38,787 adverse events including infant death (highest in 1-3 month olds) after vaccination were reported between 1991-1994. (The authors speciously claim SIDS and not vaccination caused these deaths). - GMI Summary

Article Published Date: Oct 01, 1997
Authors: M M Braun, S S Ellenberg
Study Type: Meta Analysis
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)
Over 600 cases of sudden infant death syndrome following vaccination were reported from 1990-1997. - GMI Summary

Article Published Date: Jun 01, 2001
Authors: L E Silvers, S S Ellenberg, R P Wise, F E Varricchio, G T Mootrey, M E Salive
Study Type: Meta Analysis

Additional Links
Diseases: Infant Mortality: CK(229) : AC(23), Sudden Infant Death Syndrome (SIDS): CK(138) : AC(18), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

There is a highly statistically significant correlation between increasing number of vaccine doses and increasing infant mortality rates. - GMI Summary

Article Published Date: May 04, 2011
Authors: Neil Z Miller, Gary S Goldman
Study Type: Meta Analysis

Additional Links
Diseases: Infant Mortality: CK(229) : AC(23), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Among female infants, those who receive both BCG and DTP vaccines experience higher mortality than those who receive only one of the two vaccines. - GMI Summary

Article Published Date: Oct 01, 2005
Authors: Lawrence H Moulton, Lakshmi Rahmathullah, Neal A Halsey, R D Thulasiraj, Joanne Katz, James M Tielsch
Study Type: Human Study

Additional Links
Diseases: Infant Mortality: CK(229) : AC(23), Vaccine-induced Toxicity: CK(1130) : AC(163)

Co-administration of live measles and yellow fever vaccines and inactivated pentavalent vaccines is associated with increased mortality compared with measles and yellow fever vaccines only. An observational study from Guinea-Bissau. - GMI Summary

Article Published Date: Dec 06, 2013
Authors: Ane Bærent Fisker, Henrik Ravn, Amabelia Rodrigues, Marie Drivsholm Ostergaard, Carlito Bale, Christine Stabell Benn, Peter Aaby
Study Type: Human Study

Additional Links
Diseases: Infant Mortality: CK(229) : AC(23)
Anti Therapeutic Actions: Vaccination: Combinations: CK(20) : AC(2)

Diptheria-tetanus-peteruss vaccines increase child mortality in rural Guinea-Bissau. - GMI Summary

Article Published Date: Apr 01, 2004
Authors: Peter Aaby, Henrik Jensen, Joaquim Gomes, Manual Fernandes, Ida Maria Lisse
Study Type: Human Study

Additional Links
**DTP with or after measles vaccination is associated with increased in-hospital mortality in Guinea-Bissau.** - GMI Summary

**Article Published Date:** Jan 25, 2007
**Authors:** Peter Aaby, Sidu Biai, Jens Erik Veirum, Morten Sodemann, Ida Lisse, May-Lill Garly, Henrik Ravn, Christine Stabell Benn, Amabela Rodrigues
**Study Type:** Human Study

**Diseases:** Infant Mortality: CK(229) : AC(23), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312)

The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects. - GMI Summary

**Article Published Date:** Jan 01, 2011
**Authors:** Mogens Helweg Claesson

**Diseases:** Immune Dysregulation: TH1/TH2 imbalance : CK(146) : AC(36), Infant Mortality : CK(229) : AC(23), Vaccine-induced Toxicity : CK(1130) : AC(163)


**Problem Substances:** Adjuvant : CK(18) : AC(6), Aluminum Hydroxide : CK(56) : AC(14), Vaccine Adjuvants : CK(383) : AC(77)

Hepatitis B vaccination has been linked to anaphylactic shock and death in infants. - GMI Summary

**Article Published Date:** Jan 01, 1990
**Authors:** Fu-Zhen Wang, Fu-Qiang Cui, Da-Wei Liu
**Study Type:** Human: Case Report

**Diseases:** Anaphylaxis : CK(54) : AC(15), Infant Mortality : CK(229) : AC(23), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Problem Substances:** Thimerosal : CK(3) : AC(2)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children. - GMI Summary

**Pubmed Data:** J Pediatr. 2009 Apr;154(4):514-520.e4. Epub 2008 Dec 3. PMID: 19205900
**Article Published Date:** Apr 01, 2009
**Authors:** Donald A Drum
**Study Type:** Commentary

**Diseases:** Attention Deficit Disorder : CK(134) : AC(12), Attention Deficit Disorder with Hyperactivity : CK(240) : AC(30), Autism : CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112), Child Mortality : CK(64) : AC(8), Infant Mortality : CK(229) : AC(23), Mental Retardation : CK(71) : AC(7), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Additional Keywords:** Thimerosal : CK(3) : AC(2)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312)

**Topic:** Autism Spectrum Disorders
Thimerosal-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders. - GMI Summary

Article Published Date : Mar 01, 2004
Authors : David A Geier, Mark R Geier
Study Type : Meta Analysis
Additional Links
Diseases : Autism : CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism. - GMI Summary

Article Published Date : Nov 01, 2011
Authors : Lucija Tomljenovic, Christopher A Shaw
Study Type : Human Study
Additional Links
Diseases : Autism : CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312)
Problem Substances : Aluminum Hydroxide : CK(56) : AC(14)
Adverse Pharmacological Actions : Immunotoxic : CK(230) : AC(38), Neurotoxic : CK(1076) : AC(179)

Autistic children have elevated levels of measles antibodies indicating that measles vaccination may be causing autoimmunity in these children. - GMI Summary

Article Published Date : Apr 01, 2003
Authors : Vijendra K Singh, Ryan L Jensen
Study Type : Human Study
Additional Links
Diseases : Autism Spectrum Disorders : CK(1160) : AC(112), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders. - GMI Summary

Article Published Date : Apr 01, 2000
Authors : H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield
Study Type : Human Study
Additional Links
Diseases : Autism Spectrum Disorders : CK(1160) : AC(112), Inflammatory Bowel Diseases : CK(1227) : AC(103), Ulcerative Colitis : CK(429) : AC(39), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism. - GMI Summary
There is a positive association between autism prevalence and childhood vaccination uptake across the U.S. population. - GMI Summary

Article Published Date: Jul 01, 2002
Authors: Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson
Study Type: Human Study

Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection. - GMI Summary

Article Published Date: Jan 01, 2011
Authors: Gayle Delong
Study Type: Human Study

Biological assays lend support to the association between measles virus or MMR and autism. - GMI Summary

Article Published Date: Jan 31, 2005
Authors: Jane E Libbey, Thayne L Sweeten, William M McMahon, Robert S Fujinami
Study Type: Review

Conjugate vaccines may predispose children to autism spectrum disorders. -
**GMI Summary**


Article Published Date : Oct 10, 2011

Authors : Brian J Richmand

Study Type : Review

Additional Links

Diseases : Autism : CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112)


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**MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder. - GMI Summary**

Pubmed Data : Med Hypotheses. 2003 May;60(5):650-3. PMID: 12710897

Article Published Date : May 01, 2003

Authors : Bijal K Mehta, Kerim M Munir

Study Type : Commentary

Additional Links


Additional Keywords : Molecular Mimicry : CK(47) : AC(10)

Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

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**The epidemic of autism may be linked to both vaccinations and mitochondrial diseases. - GMI Summary**

Pubmed Data : Clin Exp Pharmacol Physiol. 2004 Dec;31 Suppl 2:S51-3 PMID: 19043939

Article Published Date : Dec 01, 2004

Authors : Stephanie F Cave

Study Type : Commentary

Additional Links


Additional Keywords : Diseases that are Linked : CK(2122) : AC(270)

Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312)

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**Vaccination may be contributing to autoimmune disease. - GMI Summary**


Article Published Date : Feb 01, 2000

Authors : Y Shoenfeld, A Aron-Maor

Study Type : Commentary

Additional Links

Diseases : Autism Spectrum Disorders : CK(1160) : AC(112), Autoimmune Diseases : CK(5317) : AC(779), Multiple Sclerosis : CK(716) : AC(133), Vaccine-induced Toxicity : CK(1130) : AC(163)

Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312)

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**Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children. - GMI Summary**


Article Published Date : Apr 01, 2009

Authors : Donald A Drum

Study Type : Commentary

Additional Links

Diseases : Attention Deficit Disorder : CK(134) : AC(12), Attention Deficit Disorder with Hyperactivity : CK(240) : AC(30), Autism : CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112), Child Mortality : CK(64) : AC(8), Infant Mortality : CK(229) : AC(23), Mental Retardation : CK(71) : AC(7),
**Topic: Autism**

**Male newborns vaccinated with hepatitis B prior to 1999 had a 3-fold higher risk for parentally reported autism.** - GMI Summary


*Article Published Date*: Jan 01, 2010

*Authors*: Carolyn M Gallagher, Melody S Goodman

*Study Type*: Meta Analysis

*Additional Links*

*Diseases*: Autism: CK(1262) : AC(65)

*Anti Therapeutic Actions*: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Thimerosol-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders.** - GMI Summary


*Article Published Date*: Mar 01, 2004

*Authors*: David A Geier, Mark R Geier

*Study Type*: Meta Analysis

*Additional Links*

*Diseases*: Autism: CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112), Vaccine-induced Toxicity : CK(1130) : AC(163)

*Anti Therapeutic Actions*: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

**Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.** - GMI Summary


*Article Published Date*: Nov 01, 2011

*Authors*: Lucija Tomljenovic, Christopher A Shaw

*Study Type*: Human Study

*Additional Links*

*Diseases*: Autism: CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112)

*Anti Therapeutic Actions*: Vaccination: All : CK(3934) : AC(312)

*Problem Substances*: Aluminum Hydroxide : CK(56) : AC(14)

*Adverse Pharmacological Actions*: Immunotoxic : CK(230) : AC(38), Neurotoxic : CK(1076) : AC(179)

**The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism.** - GMI Summary


*Article Published Date*: Jul 01, 2002

*Authors*: Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson

*Study Type*: Human Study

*Additional Links*


*Anti Therapeutic Actions*: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)
There is a positive association between autism prevalence and childhood vaccination uptake across the U.S. population. - GMI Summary

Article Published Date: Jan 01, 2011
Authors: Gayle Delong
Study Type: Human Study
Additional Links
Diseases: Autism: CK(1262) : AC(65), Autism Spectrum Disorders: CK(1160) : AC(112), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection. - GMI Summary

Article Published Date: Jul 01, 2009
Authors: Vijendra K Singh
Study Type: Commentary
Additional Links
Diseases: Autism: CK(1262) : AC(65), Autism Spectrum Disorders: CK(1160) : AC(112), Autoimmune Diseases: CK(5317) : AC(779)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR): CK(228) : AC(26)

Conjugate vaccines may predispose children to autism spectrum disorders. - GMI Summary

Article Published Date: Oct 10, 2011
Authors: Brian J Richmand
Study Type: Review
Additional Links
Diseases: Autism: CK(1262) : AC(65), Autism Spectrum Disorders: CK(1160) : AC(112)

MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder. - GMI Summary

Pubmed Data: Med Hypotheses. 2003 May;60(5):650-3. PMID: 12710897
Article Published Date: May 01, 2003
Authors: Bijal K Mehta, Kerim M Munir
Study Type: Commentary
Additional Links
Additional Keywords: Molecular Mimicry: CK(47) : AC(10)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR): CK(228) : AC(26)

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin. - GMI Summary

Article Published Date: Jan 01, 2008
Authors: Burton A Waisbren
**Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.** - GMI Summary


**Article Published Date**: Apr 01, 2009

**Authors**: Donald A Drum

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autism : CK(1262) : AC(65), Autoimmune Diseases : CK(5317) : AC(779), Demyelinating Diseases : CK(1278) : AC(250), Epstein-Barr Virus Infections : CK(100) : AC(43), Hepatitis B : CK(226) : AC(39)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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### Topic: **Rubella**

**"The design and reporting of safety outcomes in MMR vaccine studies, both pre-and post-marketing, are largely inadequate."** - GMI Summary


**Article Published Date**: Dec 31, 2011

**Authors**: Vittorio Demicheli, Alessandro Rivetti, Maria Grazia Debalini, Carlo Di Pietrantonj

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Measles : CK(193) : AC(8), Mumps : CK(41) : AC(1), Rubella : CK(54) : AC(4)

**Additional Keywords**: Measles : CK(193) : AC(8), Vaccine Safety : CK(21) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

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### Congenital malformation is a possible consequence of rubella vaccination during pregnancy


**Article Published Date**: Sep 25, 1981

**Authors**: S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(3934) : AC(312)

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### In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously


**Article Published Date**: Jan 01, 1975

**Authors**: V Boniuk

**Study Type**: Human Study

**Additional Links**

**Diseases**: Cataract : CK(182) : AC(55), Pregnancy: Vaccination : CK(92) : AC(16), Rubella : CK(54) :
Measles, mumps, and rubella catch up immunisation in a measles epidemic did not appear to confer protection and was associated with a variety of new side effects of the vaccine. - GMI Summary

Article Published Date: Jun 23, 1995
Authors: R J Roberts, Q D Sandifer, M R Evans, M Z Nolan-Farrell, P M Davis
Study Type: Human Study
Additional Links
Diseases: Measles : CK(193) : AC(8), Mumps : CK(41) : AC(1), Rubella : CK(54) : AC(4)
Additional Keywords: Vaccine Failure : CK(123) : AC(13)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination. - GMI Summary

Pubmed Data: J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: 11536329
Article Published Date: Sep 01, 2001
Authors: C Besson Duvanel, P Honegger, J M Matthieu
Study Type: Animal Study
Additional Links
Diseases: Demyelinating Diseases : CK(1278) : AC(250), Multiple Sclerosis : CK(716) : AC(133), Rubella : CK(54) : AC(4), Vaccine-induced Toxicity : CK(1130) : AC(163)
Additional Keywords: Molecular Mimicry : CK(47) : AC(10)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

During the first five yeras of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women. - GMI Summary

Article Published Date: Feb 15, 1976
Authors: M Siegel
Study Type: Review
Additional Links

Topic: Thrombocytopenia

Over 1,000 confirmed cases of vaccine-induced thrombocytopenia were reported between 1990-2008. - GMI Summary

Pubmed Data: Vaccine. 2010 Nov 29. Epub 2010 Nov 29. PMID: 21126606
Article Published Date: Nov 29, 2010
Authors: Emily Jane Woo, Robert P Wise, David Menschik, Sean V Shadowy, John Iskander, Judy Beeler, Frederick Varricchio, Robert Ball
Study Type: Meta Analysis
Additional Links
Diseases: Thrombocytopenia : CK(800) : AC(25), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)
**Hepatitis B vaccination is associated with a wide range of autoimmune diseases.** - GMI Summary


**Article Published Date:** Feb 01, 2006

**Authors:** M R Geier, D A Geier

**Study Type:** Human Study

**Additional Links**


**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.** - GMI Summary

**Pubmed Data:** Autoimmunity. 2005 Jun;38(4):295-301. PMID: 16206512

**Article Published Date:** Jun 01, 2005

**Authors:** David A Geier, Mark R Geier

**Study Type:** Human Study

**Additional Links**


**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Measles-mumps-rubella vaccine that is given in the second year of life is associated with an increased risk of immune thrombocytopenia purpura.** - GMI Summary

**Pubmed Data:** Pediatrics. 2008 Mar;121(3):e687-92. PMID: 18310189

**Article Published Date:** Mar 01, 2008

**Authors:** Eric K France, Jason Glanz, Stanley Xu, Simon Hambidge, Kristi Yamasaki, Steve B Black, Michael Marcy, John P Mullooly, Lisa A Jackson, James Nordin, Edward A Belongia, K Hohman, Robert T Chen, Robert Davis,

**Study Type:** Human Study

**Additional Links**

**Diseases:** Purpura: Thrombocytopenic : CK(800) : AC(24), Thrombocytopenia : CK(800) : AC(25), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

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**MMR vaccination is associated with an increased risk for idiopathic thrombocytaenic purpura.** - GMI Summary


**Article Published Date:** Jan 01, 2003

**Authors:** Corri Black, James A Kaye, Hershel Jick

**Study Type:** Human Study

**Additional Links**

**Diseases:** Purpura: Thrombocytopenic : CK(800) : AC(24), Thrombocytopenia : CK(800) : AC(25)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

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**MMR vaccination is associated with an increased risk of developing acute immune thrombocytopenia in childhood.** - GMI Summary
**Vaccination is associated with thrombocytopenic purpura in children.** - GMI Summary


**Article Published Date**: Feb 26, 2007

**Authors**: J Rajantie, B Zeller, I Treutiger, S Rosthøj

**Study Type**: Human Study

**Additional Links**

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312)

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**Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.** - GMI Summary


**Article Published Date**: Jul 22, 2011

**Authors**: H Yasuda, M Nagata, H Moriyama, H Kobayashi, T Akisaki, H Ueda, K Haru, K Yokono

**Study Type**: Human: Case Report

**Additional Links**
- Diseases: Autoimmune Diseases: CK(5317) : AC(779), Diabetes Mellitus: Type 1 : CK(1173) : AC(218), Thrombocytopenia: CK(800) : AC(25), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

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**Topic: Pregnancy: Vaccination**

**Maternal influenza vaccination during pregnancy does not reduce the incidence of acute respiratory illness visits among infants.** - GMI Summary

**Pubmed Data**: Cancer Sci. 2004 Jul;95(7):596-601. PMID: 17146026

**Article Published Date**: Jul 01, 2004

**Authors**: Eric K France, Renae Smith-Ray, David McClure, Simon Hambidge, Stanley Xu, Kristi Yamasaki, David Shay, Eric Weintraub, Alicia M Fry, Steve B Black, Henry R Shinefield, John P Mullooly, Lisa A Jackson

**Study Type**: Meta Analysis

**Additional Links**

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

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**Congenital malformation is a possible consequence of rubella vaccination during pregnancy.** - GMI Summary

**Pubmed Data**: JAMA. 1981 Sep 25;246(13):1413-7. PMID: 7265443

**Article Published Date**: Sep 25, 1981

**Authors**: S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann

**Study Type**: Human Study

**Additional Links**
**Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.** - GMI Summary


**Article Published Date:** Sep 20, 2011

**Authors:** Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

**Study Type:** Human Study

**Additional Links**


**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Adverse Pharmacological Actions:** Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factor (TNFα) up-regulation : CK(42) : AC(4)

**In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.** - GMI Summary


**Article Published Date:** Jan 01, 1975

**Authors:** V Boniuk

**Study Type:** Human Study

**Additional Links**


**Anti Therapeutic Actions:** Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(3934) : AC(312)

**During the first five years of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women.** - GMI Summary


**Article Published Date:** Feb 15, 1976

**Authors:** M Siegel

**Study Type:** Review

**Additional Links**


**Anti Therapeutic Actions:** Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(3934) : AC(312)

**Topic: Autoimmune Diseases**

**Hepatitis B vaccination is associated with a wide range of autoimmune diseases.** - GMI Summary


**Article Published Date:** Feb 01, 2006

**Authors:** M R Geier, D A Geier

**Study Type:** Human Study

**Additional Links**

**Diseases:** Arthritis : CK(1430) : AC(218), Arthritis: Rheumatoid : CK(289) : AC(54), Autoimmune
anti therapeutic actions: vaccination: all: ck(3934): ac(312), vaccination: hepatitis b: ck(347): ac(48)

hepatitis b vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between hepatitis b virus surface antigen and myelin basic protein. - gmi summary


article published date: sep 01, 2005

authors: dimitrios-petrou bogdanos, heather smith, yun ma, harold baum, giorgina mieli-vergani, diego vergani

study type: human study

additional links

diseases: autoimmune diseases: ck(5317): ac(779), demyelinating diseases: ck(1278): ac(250), vaccine-induced toxicity: ck(1130): ac(163)

additional keywords: hepatitis b vaccine: ck(30): ac(2), molecular mimicry: ck(47): ac(10)

anti therapeutic actions: vaccination: all: ck(3934): ac(312), vaccination: hepatitis b: ck(347): ac(48)

swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as guillain-barre syndrome. - gmi summary

pubmed data: j infect dis. 2008 jul 15;198(2):226-33. pmid: 18522505

article published date: jul 15, 2008

authors: irving nachamkin, sean v shadowy, anthony p moran, nancy cox, collette fitzgerald, huong ung, adrian t corcoran, john k iskander, lawrence b schonberger, robert t chen

study type: human study

additional links


additional keywords: influenza vaccine: ck(10): ac(1), swine flu vaccine: ck(10): ac(1)

anti therapeutic actions: vaccination: all: ck(3934): ac(312)

the measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism. - gmi summary

pubmed data: j biomed sci. 2002 jul-aug;9(4):359-64. pmid: 12145534

article published date: jul 01, 2002

authors: vijendra k singh, sheren x lin, elizabeth newell, courtney nelson

study type: human study

additional links


anti therapeutic actions: vaccination: all: ck(3934): ac(312), vaccination: mumps-measles-rubella (mmr): ck(228): ac(26)

autoimmunity following hepatitis b vaccine has been reported. - gmi summary

pubmed data: lupus. 2012 feb;21(2):146-52. pmid: 22235045

article published date: jan 31, 2012

authors: y zafirr, n agmon-levin, z paz, t shilton, y shoenfeld

study type: human: case report

additional links

diseases: autoimmune diseases: ck(5317): ac(779), vaccine-induced toxicity: ck(1130): ac(163)

anti therapeutic actions: vaccination: hepatitis b: ck(347): ac(48)

adverse pharmacological actions: immunotoxic: ck(230): ac(38)
Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed. - GMI Summary

Article Published Date : Jul 22, 2011
Authors : H Yasuda, M Nagata, H Moriyama, H Kobayashi, T Akisaki, H Ueda, K Hara, K Yokono
Study Type : Human: Case Report
Additional Links
Diseases : Autoimmune Diseases : CK(5317) : AC(779), Diabetes Mellitus: Type 1 : CK(1173) : AC(218), Thrombocytopenia : CK(800) : AC(25), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year. - GMI Summary

Article Published Date : Nov 01, 2002
Authors : D A Geier, M R Geier
Study Type : Animal Study
Additional Links
Diseases : Arthritis : CK(1430) : AC(218), Autoimmune Diseases : CK(5317) : AC(779), Rheumatoid Arthritis : CK(424) : AC(64), Vaccine-induced Toxicity : CK(1130) : AC(163)

The mercury containing vaccine adjuvant known as thimerosal has immunosuppressive and autoimmune effects in mice. - GMI Summary

Article Published Date : Apr 15, 2005
Authors : S Havarinasab, B Häggqvist, E Björn, K M Pollard, P Hultman
Study Type : Animal Study
Additional Links
Diseases : Autoimmune Diseases : CK(5317) : AC(779), Mercury Poisoning : CK(162) : AC(44), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312)

"Mechanisms of aluminum adjuvant toxicity and autoimmunity in pediatric populations." - GMI Summary

Article Published Date : Jan 01, 2012
Authors : L Tomljenovic, Ca Shaw
Study Type : Review
Additional Links
Diseases : Aluminum Toxicity : CK(107) : AC(36), Autoimmune Diseases : CK(5317) : AC(779), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312)
Problem Substances : Aluminum : CK(166) : AC(43), Aluminum Hydroxide : CK(56) : AC(14), Vaccine Adjuvants : CK(383) : AC(77)

Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity. - GMI Summary

Pubmed Data : Hum Vaccin. 2011 Aug 1 ;7(8). Epub 2011 Aug 1. PMID: 21785282
Article Published Date : Aug 01, 2011
Authors : Salvatore Chirumbolo
Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection. - GMI Summary

Article Published Date: Jul 01, 2009
Authors: Vijendra K Singh
Study Type: Commentary

Hepatitis B vaccinations are associated with autoimmune hazards. - GMI Summary

Pubmed Data: Autoimmun Rev. 2005 Feb;4(2):96-100. PMID: 15722255
Article Published Date: Feb 01, 2005
Authors: Marc Girard
Study Type: Review
Additional Keywords: Molecular Mimicry: CK(47): AC(10)

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility. - GMI Summary

Article Published Date: May 15, 2010
Authors: Joerg-Patrick Stübgen
Study Type: Review

Infection and vaccines are triggers for autoimmune disease. - GMI Summary

Article Published Date: May 01, 2005
Authors: Vered Molina, Yehuda Shoenfeld
Study Type: Commentary
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)
MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder. - GMI Summary

Pubmed Data: Med Hypotheses. 2003 May;60(5):650-3. PMID: 12710897
Article Published Date: May 01, 2003
Authors: Bijal K Mehta, Kerim M Munir
Study Type: Commentary
Additional Links
Additional Keywords: Molecular Mimicry: CK(47): AC(10)

Swine flu vaccine adjuvants may cause harm in patients with autoimmune diseases such as multiple sclerosis. - GMI Summary

Article Published Date: Feb 18, 2010
Authors: Serefnur Oztürk
Study Type: Commentary
Additional Links

The demyelinating effect of hepatitis B vaccination could be due to the contamination of the vaccine by partial hepatitis B virus polymerase. - GMI Summary

Article Published Date: Jan 01, 2005
Authors: E Faure
Study Type: Commentary
Additional Links

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin. - GMI Summary

Article Published Date: Jan 01, 2008
Authors: Burton A Waisbren
Study Type: Commentary
Additional Links

The HPV16 vaccine carries with it significant cross-reactivity risk due to the homologies that exist between the HPV and human proteome. - GMI Summary

Article Published Date: Jan 01, 2009
Vaccination may be contributing to autoimmune disease. - GMI Summary

Article Published Date: Feb 01, 2000
Authors: Y Shoenfeld, A Aron-Maor
Study Type: Commentary
Additional Links

Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary

Article Published Date: Feb 01, 2010
Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard
Study Type: Commentary
Additional Links

Viruses (wild-type or recombinant vaccine-type) can silently prime for and trigger central nervous system autoimmune disease. - GMI Summary

Article Published Date: Jun 01, 2001
Authors: D J Theil, I Tsunoda, F Rodriguez, J L Whitton, R S Fujinami
Study Type: Commentary
Additional Links
Diseases: Autoimmune Diseases: CK(5317): AC(779), Multiple Sclerosis: CK(716): AC(133)
Additional Keywords: Diseases that are Linked: CK(2122): AC(270)

Topic: Influenza A

Inactivated flu vaccines have not been proven to be effective or safe in preventing influenza in healthy children under two. - GMI Summary

Article Published Date: Sep 01, 2009
Authors: Tom Jefferson, Alessandro Rivetti, Anthony Harnden, Carlo Di Pietrantonj, Vittorio Demicheli
Study Type: Meta Analysis
There is little evidence supporting the belief that vaccines are effective in preventing influenza in healthy adults. - GMI Summary


Article Published Date: Jan 01, 2010

Authors: Tom Jefferson, Carlo Di Pietrantonj, Alessandro Rivetti, Ghada A Bawazeer, Lubna A Al-Ansary, Eliana Ferroni

Study Type: Meta Analysis

Diseases: Influenza A: CK(305): AC(73), Influenza B: CK(72): AC(14)

Anti Therapeutic Actions: Vaccination: Influenza: CK(356): AC(37)

Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events. - GMI Summary


Article Published Date: Sep 01, 2010

Authors: Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardini, Giovanni Ghirlanda, Filippo Crea

Study Type: Human Study


Pharmacological Actions: Interleukin-6 upregulation: CK(26): AC(7)


Influenza-related mortality is not prevented with increasing vaccination coverage. - GMI Summary


Article Published Date: Oct 30, 2006

Authors: Caterina Rizzo, Cécile Viboud, Emanuele Montomoli, Lone Simonsen, Mark A Miller

Study Type: Human Study

Diseases: Influenza A: CK(305): AC(73), Swine Flu Associated Virus: CK(156): AC(33)


Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated. - GMI Summary


Article Published Date: Feb 14, 2005

Authors: Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller

Study Type: Human Study


Children vaccinated with MMR before age 10 are at significantly higher risk of multiple sclerosis. - GMI Summary


Authors: Cecilia Ahlgren, Kjell Torén, Anders Odén, Oluf Andersen

Study Type: Human Study

Diseases: Multiple Sclerosis: CK(716) : AC(133), Vaccine-induced Toxicity: CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR): CK(228) : AC(26)

Hepatitis B vaccination coverage has fallen to beneath 30% in France due to concerns over safety. - GMI Summary


Authors: Marta A Balinska

Study Type: Human Study

Diseases: Multiple Sclerosis: CK(716) : AC(133)

Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

Hepatitis B vaccination is associated with a wide range of autoimmune diseases. - GMI Summary


Authors: M R Geier, D A Geier

Study Type: Human Study


Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of age. - GMI Summary


Authors: Yann Mikaeloff, Guillaume Caridade, Samy Suissa, Marc Tardieu

Study Type: Human Study

Diseases: Demyelinating Diseases: CK(1278) : AC(250), Inflammation: CK(1077) : AC(363), Multiple Sclerosis: CK(716) : AC(133)

Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

Hepatitis B vaccine is associated with an increased risk of multiple sclerosis. - GMI Summary

Pubmed Data: Neurology. 2004 Sep 14;63(5):838-42. PMID: 15365133
Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination. - GMI Summary

Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis. - GMI Summary

Swine flu vaccine adjuvants may cause harm in patients with autoimmune diseases such as multiple sclerosis. - GMI Summary

The demyelinating effect of hepatitis B vaccination could be due to the contamination of the vaccine by partial hepatitis B virus polymerase. - GMI Summary
Vaccination may be contributing to autoimmune disease. - GMI Summary


Article Published Date: Feb 01, 2000

Authors: Y Shoenfeld, A Aron-Maor

Study Type: Commentary


Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary


Article Published Date: Feb 01, 2010

Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type: Commentary


Viruses (wild-type or recombinant vaccine-type) can silently prime for and trigger central nervous system autoimmune disease. - GMI Summary


Article Published Date: Jun 01, 2001

Authors: D J Theil, I Tsunoda, F Rodriguez, J L Whitton, R S Fujinami

Study Type: Commentary

Diseases: Autoimmune Diseases: CK(5317): AC(779), Multiple Sclerosis: CK(716): AC(133)

Additional Keywords: Diseases that are Linked: CK(2122): AC(270)


Topic: Asthma

Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years. - GMI Summary


Article Published Date: Mar 01, 2007

Authors: Kazunori Nakajima, Shyamali C Dharmage, John B Carlin, Cathryn L Wharton, Mark A Jenkins, Graham G Giles, Michael J Abramson, E Haydn Walters, John L Hopper

Study Type: Meta Analysis


Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312), Vaccination: Diphtheria: CK(50): AC(2)
DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents. - GMI Summary

Pubmed Data: J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: 10714532
Article Published Date: Feb 01, 2000
Authors: E L Hurwitz, H Morgenstern
Study Type: Meta Analysis
Additional Links
Diseases: Allergies: CK(502) : AC(92), Allergies: Childhood : CK(70) : AC(5), Asthma : CK(918) : AC(134), Hypersensitivity : CK(64) : AC(15), Vaccine-induced Toxicity : CK(1130) : AC(163)

Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease. - GMI Summary

Article Published Date: Aug 01, 2003
Authors: Thomas Verstraeten, Aisha O Jumaan, John P Mullooly, Jane F Seward, Hector S Izurieta, Frank DeStefano, Steven B Black, Robert T Chen,
Study Type: Human Study
Additional Links
Diseases: Asthma : CK(918) : AC(134), Chickenpox : CK(80) : AC(8), Corticosteroid-Induced Toxicity : CK(78) : AC(17)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

Topic: Vaccination: Abortion

Congenital malformation is a possible consequence of rubella vaccination during pregnancy. - GMI Summary

Article Published Date: Sep 25, 1981
Authors: S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann
Study Type: Human Study
Additional Links

In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously. - GMI Summary

Article Published Date: Jan 01, 1975
Authors: V Boniuk
Study Type: Human Study
Additional Links

A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows. - GMI Summary
An animal vaccine was identified as a possible cause of a series of lamb abortions. - GMI Summary

Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%. - GMI Summary

Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies. - GMI Summary

Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does. - GMI Summary
The vaccination of pregnant sheep resulted in abortions and hydranencephaly. - GMI Summary

Pubmed Data: Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: 8825310
Authors: M Flanagan, S J Johnson
Study Type: Animal Study

There are 76 factors (cytokines/chemokines/growth factors/others) that have been identified that are involved in various steps of the establishment of pregnancy and which could become targets/liabilities for vaccine-induced abortion/contraception. - GMI Summary

Authors: Angela R Lemons, Rajesh K Naz
Study Type: Animal Study
Diseases: Vaccination: Abortion: CK(40): AC(14)
Additional Keywords: Contraceptive Vaccines: CK(6): AC(3)

There is evidence that a DNA vaccine exhibits anti-fertility properties. - GMI Summary

Authors: Meng-Fei Yu, Wen-Ning Fang, Gao-Feng Xiong, Ying Yang, Jing-Pian Peng
Study Type: Animal Study

Vaccination of pregnant monkeys resulted in abortions in 2 out of 25. - GMI Summary

Authors: A Escajadillo, J K Frenkel
Study Type: Animal Study

During the first five years of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women. - GMI Summary

Authors: M Siegel
Study Type: Review
The number of elective abortions following vaccination during pregnancy may be under-reported and could be substantial. - GMI Summary

**Hepatitis B vaccination is associated with a wide range of autoimmune diseases.** - GMI Summary

**In the US the highest number of cases of Guillain-Barre syndrome are associated with influenza and hepatitis B vaccines.** - GMI Summary

**Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.** - GMI Summary
There were 69 reports of Guillain-Barré Syndrome (GBS) after Gardasil vaccination that occurred in the United States between 2006 and 2009. - GMI Summary

Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported. - GMI Summary

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions. - GMI Summary

Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary
**Topic: Myelitis**

**Vaccination is associated with a rare autoimmune neurological condition, transverse myelitis. - GMI Summary**

**Pubmed Data**: Lupus. 2009 Nov;18(13):1198-204. PMID: 19880568

**Article Published Date**: Nov 01, 2009

**Authors**: N Agmon-Levin, S Kivity, M Szyper-Kravitz, Y Shoenfeld

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Myelitis: CK(39) : AC(5), Vaccine-induced Toxicity: CK(1130) : AC(163)


**Hepatitis B vaccination is associated with a wide range of autoimmune diseases. - GMI Summary**


**Article Published Date**: Feb 01, 2006

**Authors**: M R Geier, D A Geier

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

**Acute transverse myelitis after influenza vaccination has been reported. - GMI Summary**


**Article Published Date**: Oct 01, 1996

**Authors**: R Bakshi, J C Mazziotta

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Myelitis: CK(39) : AC(5), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

**Hepatitis B vaccine may induce myelitis in susceptible individuals. - GMI Summary**
Immune-mediated myelitis following hepatitis B vaccination has been reported. - GMI Summary


Author(s): Joerg-Patrick Stübgen

Study Type: Human: Case Report

Diseases: Myelitis : CK(39) : AC(5), Vaccine-induced Toxicity : CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Transverse myelitis has been reported in association with a nasal attenuated novel influenza A(H1N1) vaccine. - GMI Summary


Author(s): Wafa Akkad, Bassel Salem, Jerome W Freeman, Mark K Huntington

Study Type: Human: Case Report

Diseases: Myelitis : CK(39) : AC(5), Swine Flu Associated Virus : CK(156) : AC(33)


Topic: Pertussis

Despite the CDC's current recommendation to vaccinate postpartum women before hospital discharge with the tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine in order to prevent pertussis infection in their offspring, it does not reduce - GMI Summary


Author(s): Luis A Castagnini, C Mary Healy, Marcia A Rench, Susan H Wootton, Flor M Munoz, Carol J Baker

Study Type: Human Study

Diseases: Pertussis : CK(142) : AC(14), Whooping Cough : CK(66) : AC(7)


DPT vaccines have been associated with recurrent seizures. - GMI Summary


Author(s): J V Murphy, L D Sarff, K M Marquardt

Study Type: Human Study

Diseases: Pertussis : CK(142) : AC(14), Seizures : CK(122) : AC(28), Vaccine-induced Toxicity : CK(1130)
In Kings County Washington, between 2002-2007, of the 176 confirmed cases of pertussis in infants under age 1 seventy-seven percent were age-appropriately vaccinated. - GMI Summary

Article Published Date : Jul 01, 2011
Authors : Matthew P Hanson, Tao S Kwan-Gett, Atar Baer, Krista Rietberg, Mara Ohrt, Jeffrey S Duchin
Study Type : Human Study
Additional Links
Diseases : Pertussis : CK(142) : AC(14)
Additional Keywords : Vaccine Resistance : CK(11) : AC(2)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Pertussis : CK(116) : AC(14)

Pertussis epidemic despite high levels of vaccination coverage with acellular pertussis vaccine. - GMI Summary

Article Published Date : Nov 07, 2013
Authors : Maria-Rosa Sala-Farré, César Arias-Varela, Assumpta Recasens-Recasens, Maria Simó-Sanahuja, Carmen Muñoz-Almagro, Josefa Pérez-Jové
Study Type : Human Study
Additional Links
Diseases : Pertussis : CK(142) : AC(14), Whooping Cough : CK(66) : AC(7)
Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

Since the 1993 pertussis epidemic in Cincinnati occurred primarily among children who had been appropriately immunized, it is clear that the whole-cell pertussis vaccine failed to give full protection against the disease. - GMI Summary

Article Published Date : Jul 07, 1994
Authors : C D Christie, M L Marx, C D Marchant, S F Reising
Study Type : Human Study
Additional Links
Diseases : Pertussis : CK(142) : AC(14), Whooping Cough : CK(66) : AC(7)
Anti Therapeutic Actions : Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31), Vaccination: Pertussis : CK(116) : AC(14)

Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants. - GMI Summary

Article Published Date : Sep 01, 2000
Authors : I Srugo, D Benilevi, R Madeb, S Shapiro, T Shohat, E Somekh, Y Rimmar, V Gershtein, R Gershtein, E Marva, N Lahat
Study Type : Human Study
Additional Links
Diseases : Pertussis : CK(142) : AC(14), Vaccine-induced Toxicity : CK(1130) : AC(163), Whooping Cough : CK(66) : AC(7)
Additional Keywords : Whooping Cough : CK(66) : AC(7)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Pertussis : CK(116) : AC(14)

Despite high coverage rates for primary immunization in infants and children pertussis incidence rates are increasing. - GMI Summary
Underestimation of central nervous system complications after pertussis immunization appears to be prevalent. - GMI Summary

Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of age. - GMI Summary

Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein. - GMI Summary

Hepatitis B vaccine is associated with an increased risk of multiple sclerosis. - GMI Summary
HPV vaccination has been linked to demyelination. - GMI Summary

Article Published Date: Mar 01, 2010
Authors: Francis J DiMario, Mirna Hajjar, Thomas Ciesielski
Study Type: Human Study
Additional Links
Additional Keywords: Hepatitis B Vaccine: CK(30): AC(2)
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

Human Papilloma Virus (HPV) vaccine is associated with demyelinating events. - GMI Summary

Article Published Date: Jan 01, 2009
Authors: I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett
Study Type: Human Study
Additional Links
Additional Keywords: HPV Vaccine: CK(10): AC(1)

Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination. - GMI Summary

Pubmed Data: J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: 11536329
Article Published Date: Sep 01, 2001
Authors: C Besson Duvanel, P Honegger, J M Matthieu
Study Type: Animal Study
Additional Links
Additional Keywords: Molecular Mimicry: CK(47): AC(10)

Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination. - GMI Summary

Article Published Date: Dec 01, 2008
Authors: William Huynh, Dennis J Cordato, Elias Kehdi, Lynette T Masters, Chris Dedousis
Study Type: Commentary
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis. - GMI Summary
**The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin.** - GMI Summary

**Topic: Purpura: Thrombocytopenic**

**Measles-mumps-rubella vaccine that is given in the second year of life is associated with an increased risk of immune thrombocytopenia purpura.** - GMI Summary

**MMR vaccination is associated with an increased risk for idiopathic thrombocytopenic purpura.** - GMI Summary

**Thrombocytopenic purpura following vaccination in early childhood has been reported.** - GMI Summary
Vaccination is associated with thrombocytopenic purpura in children. - GMI Summary


The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions. - GMI Summary


Between 1995 and 2005 25,306 adverse events were reported from varicella vaccine. - GMI Summary

Pubmed Data: J Infect Dis. 2008 Mar 1;197 Suppl 2:S170-7. PMID: 18419393

Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period. - GMI Summary


**Topic: Herpes Zoster**

### Pubmed Data

- **Between 1995 and 2005 25,306 adverse events were reported from varicella vaccine.**
  - *J Infect Dis. 2008 Mar 1;197 Suppl 2:S170-7. PMID: 18419393*

- **Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.**
**Varicella vaccine has been reported to cause herpes zoster skin lesions and meningoencephalitis in a previously healthy boy.** - GMI Summary


**Article Published Date**: Nov 15, 2008

**Authors**: Myron J Levin, Roberta L DeBiasi, Vanda Bostik, D Scott Schmid

**Study Type**: Human Study

**Additional Links**

**Diseases**: Herpes Zoster : CK(470) : AC(35), Meningitis: Viral : CK(20) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

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**Varicella vaccine has been reported to cause chronic, acyclovir-resistant herpes zoster infection in an immunosuppressed child.** - GMI Summary


**Article Published Date**: Oct 01, 2003

**Authors**: Myron J Levin, Karen M Dahl, Adriana Weinberg, Roger Giller, Amita Patel, Philip R Krause

**Study Type**: Human Study

**Additional Links**

**Diseases**: Chickenpox : CK(80) : AC(8), Herpes Zoster : CK(470) : AC(35)

**Pharmacological Actions**: Antiviral Agents : CK(625) : AC(293)

**Additional Keywords**: Acyclovir-Resistance : CK(11) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

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**Varicella vaccine has been reported to cause viral meningitis in an immunocompetent child.** - GMI Summary


**Article Published Date**: Jun 01, 2009

**Authors**: Sujit Iyer, Manoj K Mittal, Richard L Hodinka

**Study Type**: Human Study

**Additional Links**

**Diseases**: Chickenpox : CK(80) : AC(8), Herpes Zoster : CK(470) : AC(35), Meningitis: Viral : CK(20) : AC(2)

**Pharmacological Actions**: Antiviral Agents : CK(625) : AC(293)

**Additional Keywords**: Undefined : CK(14) : AC(3)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

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**Topic: Varicella**

**Combined MMR and varicella live vaccine is associated with higher rates of febrile convulsion than giving the vaccines separately.** - GMI Summary


**Article Published Date**: Jul 23, 2009

**Authors**: Steven J Jacobsen, Bradley K Ackerson, Lina S Sy, Trung N Tran, Tonia L Jones, Janis F Yao, Fagen Xie, T Craig Cheetham, Patricia Saddier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Febrile Seizures : CK(83) : AC(5), Vaccine-induced Toxicity : CK(1130) : AC(163), Varicella : CK(50) : AC(5)

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**Near complete vaccination coverage for varicella does not prevent outbreaks in those treated.** - GMI Summary

**Pubmed Data:** Pediatrics. 2006 Jun;117(6):e1070-7. PMID: 16740809

**Article Published Date:** Jun 01, 2006

**Authors:** Adriana S Lopez, Dalya Guris, Laura Zimmerman, Linda Gladden, Tamara Moore, Dirk T Haselow, Vladimir N Loparev, D Scott Schmid, Aisha O Jumaan, Sandra L Snow

**Study Type:** Human Study

**Additional Links**

**Diseases:** Varicella: CK(50): AC(5)

**Anti Therapeutic Actions:** Vaccination: All: CK(3934): AC(312), Vaccination: Varicella (Chicken pox): CK(164): AC(20)

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**Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.** - GMI Summary

**Pubmed Data:** Vaccine. 2009 Dec 9;27(52):7322-5. Epub 2009 Oct 4. PMID: 19808027

**Article Published Date:** Dec 09, 2009

**Authors:** Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin

**Study Type:** Human Study

**Additional Links**


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**Varicella outbreaks occur in vaccinated populations, even when receiving 2 doses.** - GMI Summary

**Pubmed Data:** Pediatr Infect Dis J. 2009 Aug;28(8):678-81. PMID: 19593254

**Article Published Date:** Aug 01, 2009

**Authors:** Philip L Gould, Jessica Leung, Connie Scott, D Scott Schmid, Helen Deng, Adriana Lopez, Sandra S Chaves, Meredith Reynolds, Linda Gladden, Rafael Harpaz, Sandra Snow

**Study Type:** Human Study

**Additional Links**

**Diseases:** Varicella: CK(50): AC(5)

**Anti Therapeutic Actions:** Vaccination: All: CK(3934): AC(312), Vaccination: Varicella (Chicken pox): CK(164): AC(20)

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**Topic:** Whooping Cough

**The risk of adverse events from the pertussis outweighed the risk of pertussis infection during the period of 1970-83 in children living in non-deprived circumstances in Britain.** - GMI Summary

**Pubmed Data:** Dev Biol Stand. 1985;61:395-405. PMID: 3835080

**Article Published Date:** Jan 01, 1985

**Authors:** G T Stewart

**Study Type:** Meta Analysis

**Additional Links**

**Diseases:** Vaccine-induced Toxicity: CK(1130): AC(163), Whooping Cough: CK(66): AC(7)

**Anti Therapeutic Actions:** Vaccination: All: CK(3934): AC(312), Vaccination: Pertussis: CK(116): AC(14)

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**Despite the CDC's current recommendation to vaccinate postpartum women**
before hospital discharge with the tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine in order to prevent pertussis infection in their offspring, it does not reduce - GMI Summary

Article Published Date: Nov 10, 2011
Authors: Luis A Castagnini, C Mary Healy, Marcia A Rench, Susan H Wootton, Flor M Munoz, Carol J Baker
Study Type: Human Study
Diseases: Pertussis: CK(142) : AC(14), Whooping Cough : CK(66) : AC(7)

Pertussis epidemic despite high levels of vaccination coverage with acellular pertussis vaccine. - GMI Summary

Article Published Date: Jul 07, 1994
Authors: C D Christie, M L Marx, C D Marchant, S F Reising
Study Type: Human Study
Diseases: Pertussis: CK(142) : AC(14), Whooping Cough : CK(66) : AC(7)
Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

Since the 1993 pertussis epidemic in Cincinnati occurred primarily among children who had been appropriately immunized, it is clear that the whole-cell pertussis vaccine failed to give full protection against the disease. - GMI Summary

Article Published Date: Sep 01, 2000
Authors: I Srugo, D Benilevi, R Madeb, S Shapiro, T Shohat, E Somekh, Y Rimmar, V Gershtein, R Gershtein, E Marva, N Lahat
Study Type: Human Study
Diseases: Pertussis: CK(142) : AC(14), Vaccine-induced Toxicity : CK(1130) : AC(163), Whooping Cough : CK(66) : AC(7)
Additional Keywords: Whooping Cough : CK(66) : AC(7)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Pertussis : CK(116) : AC(14)

Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants. - GMI Summary

Article Published Date: Sep 01, 2000
Authors: I Srugo, D Benilevi, R Madeb, S Shapiro, T Shohat, E Somekh, Y Rimmar, V Gershtein, R Gershtein, E Marva, N Lahat
Study Type: Human Study
Diseases: Pertussis: CK(142) : AC(14), Vaccine-induced Toxicity : CK(1130) : AC(163), Whooping Cough : CK(66) : AC(7)
Additional Keywords: Whooping Cough : CK(66) : AC(7)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Pertussis : CK(116) : AC(14)

Topic: Mercury Poisoning

Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem. - GMI Summary
**Hair mercury in breast-fed infants exposed to thimerosal-preserved vaccines indicates significant levels of exposure.** - GMI Summary

**Pubmed Data**: Eur J Pediatr. 2007 Sep;166(9):935-41. Epub 2007 Jan 20. PMID: 17237965

**Article Published Date**: Sep 01, 2007

**Authors**: Rejane C Marques, José G Dórea, Márlon F Fonseca, Wanderley R Bastos, Olaf Malm

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Mercury Poisoning : CK(162) : AC(44), Vaccine-induced Toxicity : CK(1130) : AC(163)
- **Therapeutic Actions**: Breastfeeding : CK(739) : AC(77)
- **Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31), Vaccination: Hepatitis B : CK(347) : AC(48)

**Hepatitis B vaccination is associated with potentially neurotoxic mercury exposure in infants.** - GMI Summary

**Pubmed Data**: Chin Med. 2008 Mar 29;3:4. PMID: 10802503

**Article Published Date**: Mar 29, 2008

**Authors**: G V Stajich, G P Lopez, S W Harry, W R Sexson

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Mercury Poisoning : CK(162) : AC(44), Premature Birth : CK(412) : AC(43)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**The mercury containing vaccine adjuvant known as thimerosal has immunosuppressive and autoimmune effects in mice.** - GMI Summary


**Article Published Date**: Apr 15, 2005

**Authors**: S Havarinasab, B Häggqvist, E Björn, K M Pollard, P Hultman

**Study Type**: Animal Study

**Additional Links**

- **Diseases**: Autoimmune Diseases : CK(5317) : AC(779), Mercury Poisoning : CK(162) : AC(44), Vaccine-induced Toxicity : CK(1130) : AC(163)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**The vaccine adjuvant thimerosal induces adverse changes in the cerebellum of mice, lending plausibility to the association between autism and low-dose mercury exposure.** - GMI Summary

**Pubmed Data**: Cell Biol Toxicol. 2009 Apr 9. PMID: 19357975

**Article Published Date**: Apr 09, 2009

**Authors**: Takeshi Minami, Eriko Miyata, Yamato Sakamoto, Hideo Yamazaki, Seiji Ichida

**Study Type**: Animal Study

**Additional Links**

- **Diseases**: Mercury Poisoning : CK(162) : AC(44), Vaccine-induced Toxicity : CK(1130) : AC(163)
- **Additional Keywords**: Thimerosal : CK(3) : AC(2)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312)
The epidemic of autism may be linked to both vaccinations and mitochondrial diseases. - GMI Summary

Pubmed Data: Clin Exp Pharmacol Physiol. 2004 Dec;31 Suppl 2:S51-3 PMID: 19043939
Article Published Date: Dec 01, 2004
Authors: Stephanie F Cave
Study Type: Commentary

Additional Keywords: Diseases that are Linked: CK(2122) : AC(270)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312)

Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy. - GMI Summary

Article Published Date: Aug 15, 2008
Authors: Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson
Study Type: Human Study

Diseases: Anthrax: CK(43) : AC(6), Birth Defects: CK(196) : AC(37), Vaccine-induced Toxicity: CK(1130) : AC(163)
Adverse Pharmacological Actions: Teratogenic: CK(304) : AC(59)

Injection site reactions occur in 28% of those who receive the anthrax vaccine, with women having twice the incidence of reaction versus men. - GMI Summary

Pubmed Data: Pharmacoepidemiol Drug Saf. 2007 Mar ;16(3):259-74. PMID: 17245803
Article Published Date: Mar 01, 2007
Authors: Michael M McNeil, I-Shan Chiang, John T Wheeling, Yujia Zhang
Study Type: Human Study

Diseases: Anthrax: CK(43) : AC(6), Vaccine-induced Toxicity: CK(1130) : AC(163)
Additional Keywords: Gender Differences: CK(63) : AC(8)

The anthrax vaccine is one of the most reactogenic vaccines reported in the Vaccine Adverse Events Reporting System (VAERS) database. - GMI Summary

Article Published Date: May 01, 2004
Authors: Mark R Geier, David A Geier
Study Type: Human Study

Diseases: Anthrax: CK(43) : AC(6), Vaccine-induced Toxicity: CK(1130) : AC(163)

The vaccine adjuvant squalene in anthrax vaccines given to soldiers in the Gulf War resulted in the formation of antibodies to squalene which are associated with Gulf War Syndrome. - GMI Summary

Article Published Date: Feb 01, 2011
Authors: Pamela B Asa, Russell B Wilson, Robert F Garry
**Anthrax vaccine development suffers from a wide range of potentially insurmountable problems.** - GMI Summary


**Article Published Date**: Jan 01, 2009

**Authors**: Dorota Zakowska, Janusz Kocik, Michał Bartoszcze

**Study Type**: Review

**Additional Links**

**Diseases**: Anthrax: CK(43) : AC(6)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Anthrax : CK(62) : AC(8)

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**The development of human vaccines for anthrax has suffered from a number of technical challenges.** - GMI Summary


**Article Published Date**: Dec 01, 2009

**Authors**: Leslie W Baillie

**Study Type**: Review

**Additional Links**

**Diseases**: Anthrax: CK(43) : AC(6)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Anthrax : CK(62) : AC(8)

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**Topic: Mumps**

"**The design and reporting of safety outcomes in MMR vaccine studies, both pre- and post-marketing, are largely inadequate.**" - GMI Summary


**Article Published Date**: Dec 31, 2011

**Authors**: Vittorio Demicheli, Alessandro Rivetti, Maria Grazia Debalini, Carlo Di Pietrantonj

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Measles: CK(193) : AC(8), Mumps: CK(41) : AC(1), Rubella: CK(54) : AC(4)

**Additional Keywords**: Rubella : CK(54) : AC(4), Vaccine Safety : CK(21) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

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**Fifty-one percent of cases of patients in a 1998/1999 mumps outbreak had at least one MMR vaccination, indicating their effectiveness may be overestimated.** - GMI Summary

**Pubmed Data**: Vaccine. 2005 Jul 1;23(31):4070-4. PMID: [15950329](https://www.ncbi.nlm.nih.gov/pubmed/15950329)

**Article Published Date**: Jun 30, 2005

**Authors**: Richard Harling, Joanne M White, Mary E Ramsay, Karen F Macsween, Corry van den Bosch

**Study Type**: Human Study

**Additional Links**

**Diseases**: Mumps: CK(41) : AC(1)

**Anti Therapeutic Actions**: Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

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**Measles, mumps, and rubella catch up immunisation in a measles epidemic did not appear to confer protection and was associated with a variety of new side effects of the vaccine.** - GMI Summary
**Hepatitis B vaccination is associated with a wide range of autoimmune diseases.** - GMI Summary


Authors: M R Geier, D A Geier

Study Type: Human Study


**Systemic lupus erythematosus related to hepatitis B vaccine has been reported.** - GMI Summary


Authors: N Agmon-Levin, Y Zafrir, Z Paz, T Shilton, G Zandman-Goddard, Y Shoenfeld

Study Type: Human Study

Diseases: Systemic Lupus Erythematosus: CK(387): AC(54)


**Vaccination can precipitate lupus erythematosus.** - GMI Summary


Authors: S A Older, D F Battafarano, R J Enzenauer, A M Krieg

Study Type: Human Study


Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

**Systemic lupus erythematosus has been triggered by hepatitis B vaccine.** - GMI Summary


Authors: D Santoro, G Vita, R Vita, A Mallamace, V Savica, G Bellinghieri, S Benvenga, S Gangemi

Study Type: Human: Case Report

Diseases: Systemic Lupus Erythematosus: CK(387): AC(54)
Vaccination may contribute to causing a wide variety of autoimmune disorders.

-Hepatitis B vaccination is associated with a wide range of autoimmune diseases.

- Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

- Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.
**Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.** - GMI Summary

**Vaccination is associated with an increased risk for hemolytic anemia.** - GMI Summary

**Autoimmune hemolytic anemia following MF59-adjuvanted influenza vaccine has been reported.** - GMI Summary

**Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.** - GMI Summary


**Influenza vaccines may be causing vasculitis. - GMI Summary**


**Article Published Date**: Aug 01, 2000

**Authors**: Rainer Birck, Isabelle Kaelsch, Peter Schnuelle, Luis Felipe Flores-Suárez, Rainer Nowack

**Study Type**: Human Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity: CK(1130): AC(163), Vasculitis: CK(48): AC(11)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Influenza: CK(356): AC(37)

A case of extensive ulcerating vasculitis following a BCG vaccination has been reported. - GMI Summary


**Article Published Date**: Aug 01, 2009

**Authors**: A Ghattaura, K A Eley, E Molenaar, G Smith

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Vaccine-induced Toxicity: CK(1130): AC(163), Vasculitis: CK(48): AC(11)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: BCG (Tuberculosis): CK(33): AC(4)

A case of influenza vaccine induced have necrotizing glomerulonephritis in decursu vasculitis has been reported. - GMI Summary


**Article Published Date**: Jul 01, 2005

**Authors**: Lidia Hyla-Klekot, Grazyna Kucharska, Witold Cieslak

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Glomerulonephritis: CK(41): AC(9), Vasculitis: CK(48): AC(11)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Influenza: CK(356): AC(37)

Influenza vaccines may induce hepatitis-B virus-related vasculitis and severe neuropathy. - GMI Summary

**Pubmed Data**: J Cardiovasc Pharmacol. 2003 Sep;42(3):329-38. PMID: 18579284

**Article Published Date**: Sep 01, 2003

**Authors**: Yuko Wada, Chie Yanagihara, Yo Nishimura, Nobuyuki Oka

**Study Type**: Commentary

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Influenza: CK(356): AC(37)

Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary

**Pubmed Data**: Discov Med. 2010 Feb;9(45):90-7. PMID: 20193633

**Article Published Date**: Feb 01, 2010

**Authors**: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

**Study Type**: Commentary

**Additional Links**


**Topic: Allergies**

**DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.** - GMI Summary

**Pubmed Data:** J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: 10714532

**Article Published Date:** Feb 01, 2000

**Authors:** E L Hurwitz, H Morgenstern

**Study Type:** Meta Analysis

**Additional Links**

**Diseases:** Allergies: CK(502) : AC(92), Allergies: Childhood: CK(70) : AC(5), Asthma: CK(918) : AC(134), Hypersensitivity: CK(64) : AC(15), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions:** Vaccination: All: CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus: CK(283) : AC(31), Vaccination: Influenza: CK(356) : AC(37)

**Allergy to viral and rickettsial vaccines; review of the literature.** - GMI Summary

**Pubmed Data:** Ann Allergy. 1950 Sep-Oct;8(5):699-707. PMID: 14800166

**Authors:** S UNTRACHT, B RATNER

**Study Type:** Human: Case Report

**Additional Links**

**Diseases:** Allergies: CK(502) : AC(92)

**Anti Therapeutic Actions:** Vaccination: All: CK(3934) : AC(312)

**Topic: H1N1 Infection**

**Prior receipt of seasonal flu vaccine (2008-09 )was associated with increased risk of medically attended pandemic H1N1 illness (2008-09).** - GMI Summary


**Article Published Date:** Jan 30, 2010

**Authors:** Danuta M Skowronska, Gaston De Serres, Natasha S Crowcroft, Naveed Z Janjua, Nicole Boullante, Travis S Hottes, Laura C Rosella, James A Dickinson, Rodica Gilca, Pam Sethi, Najwa Ouhoummane, Donald J Willison, Isabelle Rouleau, Martin Petric, Kevin Fonseca, Steven J Drews, Anuradha Rebapragada, Hugues Charest, Marie-Eve Hamelin, Guy Boivin, Jennifer L Gardy, Yan Li, Trijntje L Kwindt, David M Patrick, Robert C Brunham

**Study Type:** Human Study

**Additional Links**

**Diseases:** H1N1 Infection: CK(467) : AC(87)

**Additional Keywords:** Immunosuppressive Flu Vaccines: CK(20) : AC(2)

**Anti Therapeutic Actions:** Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

**Seasonal influenza vaccine (2008-2009) is associated with an increased risk of influenza-like illness from pandemic H1N1 infection.** - GMI Summary

**Pubmed Data:** Clin Infect Dis. 2010 Nov 1;51(9):1017-1027. PMID: 20887210

**Article Published Date:** Nov 01, 2010
Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated. - GMI Summary

Vaccination against novel H1N1 may accelerate atherogenesis (heart disease). - GMI Summary

Topic: Human Papillomavirus (HPV)

HPV vaccination does not have a therapeutic effect in young women with pre-existing human papillomavirus infection. - GMI Summary
Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.
- GMI Summary


Vaccination may contribute to causing a wide variety of autoimmune disorders.
- GMI Summary


DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.
- GMI Summary

Pubmed Data: J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: 10714532

Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity.
- GMI Summary

Pubmed Data: Hum Vaccin. 2011 Aug 1 ;7(8). Epub 2011 Aug 1. PMID: 21785282
**DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.** - GMI Summary

Pubmed Data: J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: 10714532

**Topic: Allergies: Childhood**

**Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.** - GMI Summary


**Topic: Elderly: Age Specific Diseases**

**There is a lack of evidence for the effectiveness of influenza vaccines in adults aged 65 years or older.** - GMI Summary


**Topic: Infant Infections**

**Maternal influenza vaccination during pregnancy does not reduce the incidence of acute respiratory illness visits among infants.** - GMI Summary

Pubmed Data: Cancer Sci. 2004 Jul;95(7):596-601. PMID: 17146026
**Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants.** - GMI Summary

Pubmed Data: Braz J Infect Dis. 2009 Apr;13(2):104-6. PMID: 20140352

**Whole cell pertussis vaccines may have been causing serious neurological disorders.** - GMI Summary

Pubmed Data: Brain Dev. 2004 Aug;26(5):296-300. PMID: 15165669

**Rates of intussusception associated with rotavirus vaccines may be significantly underestimated.** - GMI Summary

Pubmed Data: J Infect Dis. 2009 Nov 1;200 Suppl 1:S264-70. PMID: 19817607

**Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception.** - GMI Summary

Rotavirus vaccinations have a history of causing adverse effects such as intussusception. - GMI Summary

**Pubmed Data**: Pediatrics. 2001 Jun;107(6):E97. PMID: 11389295

**Article Published Date**: Jun 01, 2001

**Authors**: L R Zanardi, P Haber, G T Mootrey, M T Niu, M Wharton

**Study Type**: Human Study

**Diseases**: Gastroenteritis : CK(96) : AC(11), Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Additional Links**

**Diseases**: Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Rotavirus : CK(33) : AC(6)

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**Topic: Upper Respiratory Infections**

Maternal influenza vaccination during pregnancy does not reduce the incidence of acute respiratory illness visits among infants. - GMI Summary

**Pubmed Data**: Cancer Sci. 2004 Jul;95(7):596-601. PMID: 17146026

**Article Published Date**: Jul 01, 2004

**Authors**: Eric K France, Renae Smith-Ray, David McClure, Simon Hambidge, Stanley Xu, Kristi Yamasaki, David Shay, Eric Weintraub, Alicia M Fry, Steve B Black, Henry R Shinefield, John P Mullooly, Lisa A Jackson

**Study Type**: Meta Analysis

**Diseases**: Infant Infections : CK(420) : AC(45), Pregnancy: Vaccination : CK(92) : AC(16), Upper Respiratory Infections : CK(972) : AC(92)

**Additional Links**

**Diseases**: Infant Infections : CK(420) : AC(45), Pneumococcal Infections : CK(50) : AC(11), Upper Respiratory Infections : CK(972) : AC(92)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

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Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants. - GMI Summary

**Pubmed Data**: Braz J Infect Dis. 2009 Apr;13(2):104-6. PMID: 20140352

**Article Published Date**: Apr 01, 2009

**Authors**: Claudia R C Lopes, Eitan N Berezin, Ting Hui Ching, Jaildo de Souza Canuto, Vanilda Oliveira da Costa, Erika Monteiro Klering

**Study Type**: Human Study

**Diseases**: Infant Infections : CK(420) : AC(45), Pneumococcal Infections : CK(50) : AC(11), Upper Respiratory Infections : CK(972) : AC(92)

**Additional Links**

**Diseases**: Infant Infections : CK(420) : AC(45), Pneumococcal Infections : CK(50) : AC(11), Upper Respiratory Infections : CK(972) : AC(92)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(71) : AC(8)

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Influenza vaccination does not appear to be effective during pregnancy in preventing hospitalizations and outpatient visits for respiratory illness in pregnant women and their infants. - GMI Summary


**Article Published Date**: Aug 01, 2004

**Authors**: Steven B Black, Henry R Shinefield, Eric K France, Bruce H Fireman, Sharon T Platt, David Shay

**Study Type**: Human Study

**Additional Links**
**Topic: Swine Flu Associated Virus**

**Influenza-related mortality is not prevented with increasing vaccination coverage.** - GMI Summary


**Article Published Date**: Oct 30, 2006

**Authors**: Caterina Rizzo, Cécile Viboud, Emanuele Montomoli, Lone Simonsen, Mark A Miller

**Study Type**: Human Study

**Additional Links**
- **Diseases**: Influenza A : CK(305) : AC(73), Swine Flu Associated Virus : CK(156) : AC(33)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.** - GMI Summary

**Pubmed Data**: J Infect Dis. 2008 Jul 15;198(2):226-33. PMID: 18522505

**Article Published Date**: Jul 15, 2008

**Authors**: Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen

**Study Type**: Human Study

**Additional Links**
- **Diseases**: Acute Autoimmune Neuropathy : CK(104) : AC(2), Autoimmune Diseases : CK(5317) : AC(779), Guillain-Barre Syndrome : CK(84) : AC(14), Influenza : CK(654) : AC(102), Swine Flu Associated Virus : CK(156) : AC(33), Vaccine-induced Toxicity : CK(1130) : AC(163)
- **Additional Keywords**: Influenza Vaccine : CK(10) : AC(1), Swine Flu Vaccine : CK(10) : AC(1)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312)

**Widening influenza vaccine coverage is not correleated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.** - GMI Summary

**Pubmed Data**: Arch Intern Med. 2005 Feb 14;165(3):265-72. PMID: 15710788

**Article Published Date**: Feb 14, 2005

**Authors**: Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller

**Study Type**: Human Study

**Additional Links**
- **Diseases**: H1N1 Infection : CK(467) : AC(87), Influenza : CK(654) : AC(102), Influenza A : CK(305) : AC(73), Swine Flu Associated Virus : CK(156) : AC(33)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Transverse myelitis has been reported in association with a nasal attenuated novel influenza A(H1N1) vaccine.** - GMI Summary

**Pubmed Data**: Arch Neurol. 2010 Aug;67(8):1018-20. PMID: 20697056

**Article Published Date**: Aug 01, 2010

**Authors**: Wafa Akkad, Bassel Salem, Jerome W Freeman, Mark K Huntington

**Study Type**: Human: Case Report

**Additional Links**
- **Diseases**: Myelitis : CK(39) : AC(5), Swine Flu Associated Virus : CK(156) : AC(33)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37), Vaccination: Nasal : CK(3) : AC(1)
**Vaccination against novel H1N1 may accelerate atherogenesis (heart disease).** - GMI Summary


Article Published Date: Oct 23, 2009

Authors: Sucharit Bhakdi, Karl Lackner, Hans-Wilhelm Doerr

Study Type: Commentary

Additional Links

Diseases: H1N1 Infection: CK(467): AC(87), Swine Flu Associated Virus: CK(156): AC(33), Vaccine-induced Toxicity: CK(1130): AC(163)

Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

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**Topic: Birth Defects**

**Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.** - GMI Summary


Article Published Date: Aug 15, 2008

Authors: Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson

Study Type: Human Study

Additional Links


Adverse Pharmacological Actions: Teratogenic: CK(304): AC(59)

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**Congenital malformation is a possible consequence of rubella vaccination during pregnancy.** - GMI Summary


Article Published Date: Sep 25, 1981

Authors: S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann

Study Type: Human Study

Additional Links


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**Topic: Erythema**

**Erythema multiforme has been reported as a possible side effect of vaccination for human papillomavirus.** - GMI Summary


Article Published Date: Jan 01, 2010

Authors: A C Katoulis, A Liakou, E Bozi, M Theodorakis, A Alevizou, A Zafeiraki, M Mistidou, N G Stavrianeas

Study Type: Human Study

Additional Links

Diseases: Erythema: CK(44): AC(6)


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**Vaccination for DPT, Hepatitis B and influenza has been reported to be associated with the development of erythema multiforme in an infant.** - GMI
**Topic: Poliomyelitis**

**At the present time, the only poliovirus-caused poliomyelitis cases reported in Brazil and other countries of the Americas are of vaccine etiology.** - GMI

**Summary**


**Article Published Date** : Apr 01, 2000

**Authors** : L H de Oliveira, C J Struchiner

**Study Type** : Human Study

**Additional Links**

**Diseases** : Poliomyelitis : CK(33) : AC(4)

**Additional Keywords** : Iatrogenic Poliomyelitis : CK(20) : AC(2)

**Anti Therapeutic Actions** : Vaccination: Polio: CK(94) : AC(15)

**Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary.** - GMI

**Summary**


**Article Published Date** : Jul 31, 2011

**Authors** : Concepción F Estívariz, Zsuzsanna Molnár, Linda Venczel, Beatrix Kapusinszky, James A Zingeser, Galina Y Lipskaya, Olen M Kew, György Berencsi, Agnes Csohán

**Study Type** : Human Study

**Additional Links**

**Diseases** : Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(1), Poliomyelitis : CK(33) : AC(4), Vaccine-induced Toxicity : CK(1130) : AC(163)


**Vaccine-associated paralytic poliomyelitis (VAPP) has emerged as the predominant form of the disease in the United States since 1980.** - GMI

**Summary**


**Article Published Date** : Feb 01, 1992

**Authors** : P M Strebel, R W Sutter, S L Cochi, R J Biellik, E W Brink, O M Kew, M A Pallansch, W A Orenstein, A R Hinman

**Study Type** : Human Study

**Additional Links**

**Diseases** : Poliomyelitis : CK(33) : AC(4)

**Additional Keywords** : Iatrogenic Poliomyelitis : CK(20) : AC(2)

**Anti Therapeutic Actions** : Vaccination: Polio: CK(94) : AC(15)

**In 2011, there were an extra 47,500 new cases of non-polio acute flaccid paralysis (NPAFP): Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio
**Provocation by vaccine injections can increase the risk of paralytic poliomyelitis by up to 25 fold.**  - GMI Summary


Article Published Date: Jan 01, 1986

Authors: H V Wyatt

Study Type: Review

Additional Links

Diseases: Poliomyelitis: CK(33): AC(4)


The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.  - GMI Summary


Article Published Date: May 25, 1994

Authors: K R Stratton, C J Howe, R B Johnston

Study Type: Review

Additional Links


**Topic: Optic Neuritis**

Hepatitis B vaccination is associated with a wide range of autoimmune diseases.  - GMI Summary


Article Published Date: Feb 01, 2006

Authors: M R Geier, D A Geier

Study Type: Human Study

Additional Links


Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.  - GMI Summary

Optic neuritis following hepatitis B vaccination has been reported. n - GMI

Summary

Article Published Date: Nov 01, 2009
Authors: Muferet Erguven, Sirin Guven, Umit Akyuz, Olcay Bilgiç, Fuat Laloglu
Study Type: Human: Case Report
Additional Links
Diseases: Optic Neuritis : CK(23) : AC(3), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Topic: Pneumococcal Infections

Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants. - GMI Summary

Pubmed Data: Braz J Infect Dis. 2009 Apr;13(2):104-6. PMID: 20140352
Article Published Date: Apr 01, 2009
Authors: Claudia R C Lopes, Eitan N Berezin, Ting Hui Ching, Jaildo de Souza Canuto, Vanilda Oliveira da Costa, Erika Monteiro Klering
Study Type: Human Study
Additional Links
Diseases: Infant Infections : CK(420) : AC(45), Pneumococcal Infections : CK(50) : AC(11), Upper Respiratory Infections : CK(972) : AC(92)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(71) : AC(8)

Pneumococcal conjugate vaccine is not effective to prevent ear infections in previously unvaccinated toddlers and children with a history of recurrent ear infections. - GMI Summary

Article Published Date: Jun 28, 2003
Authors: Reinier Veenhoven, Debby Bogaert, Cuno Uiterwaal, Carole Brouwer, Herma Kiezebrink, Jacob Bruin, Ed Ijzerman, Peter Hermans, Ronald de Groot, Ben Zegers, Wietse Kuis, Gert Rijkers, Anne Schiller, Elisabeth Sanders
Study Type: Human Study
Additional Links
Diseases: Ear Infection : CK(604) : AC(33), Pneumococcal Infections : CK(50) : AC(11)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(71) : AC(8)

Pneumococcal vaccines are ineffective in children with a history of recurrent acute ear infections - Article 2. - GMI Summary

Article Published Date: Feb 01, 2006
Authors: Muriel J P van Kempen, Judith S Vermeiren, Mario Vaneechoutte, Geert Claes, Reinier H
**Pneumococcal vaccines do not appear to reduce the risk of death from pneumonia in adult populations.** - GMI Summary

**Pubmed Data**: Cochrane Database Syst Rev. 2003(4):CD000422. PMID: 14583920

**Article Published Date**: Jan 01, 2003

**Authors**: K Dear, J Holden, R Andrews, D Tatham

**Study Type**: Human Study

**Additional Links**

**Diseases**: Pneumococcal Infections : CK(50) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(71) : AC(8)

**Review: based on currently available research pneumococcal vaccination should not be recommended for large scale use in ear infection prone populations.** - GMI Summary

**Pubmed Data**: Cochrane Database Syst Rev. 2002(2):CD001480. PMID: 12076412

**Article Published Date**: Jan 01, 2002

**Authors**: M Straetemans, E A Sanders, R H Veenhoven, A G Schilder, R A Damoiseaux, G A Zielhuis

**Study Type**: Review

**Additional Links**

**Diseases**: Ear Infection : CK(604) : AC(33), Pneumococcal Infections : CK(50) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(71) : AC(8)

**Topic**: Arthritis: Juvenile Idiopathic

**Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.** - GMI Summary


**Article Published Date**: Jan 01, 2001

**Authors**: M A Fisher, S A Eklund, S A James, X Lin

**Study Type**: Human Study

**Additional Links**

**Diseases**: Arthritis : CK(1430) : AC(218), Arthritis: Juvenile Chronic : CK(20) : AC(1), Arthritis: Juvenile Idiopathic : CK(20) : AC(1), Arthritis: Juvenile Rheumatoid : CK(10) : AC(1), Ear Infection : CK(604) : AC(33), Pharyngeal Diseases : CK(20) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination.** - GMI Summary


**Article Published Date**: Mar 15, 2012

**Authors**: Natasa Toplak, Vesna Subelj, Tanja Kveder, Sasa Cucnik, Katarina Prosen, Alenka Trampus-Bakija, Ljupco Todorovski, Tadej Avcin

**Study Type**: Human Study

**Additional Links**

**Diseases**: Arthritis: Juvenile Idiopathic : CK(20) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)
**Adverse Pharmacological Actions:** Tumor necrosis factorα (TNFα) up-regulation

**Topic: Cold and Flu: Infants & Children**

*Inactivated flu vaccines have not been proven to be effective or safe in preventing influenza in healthy children under two.* - GMI Summary

**Pubmed Data:** Altern Ther Health Med. 2009 Sep-Oct;15(5):44-6. PMID: 18425905
**Article Published Date:** Sep 01, 2009
**Authors:** Tom Jefferson, Alessandro Rivetti, Anthony Harnden, Carlo Di Pietrantonj, Vittorio Demicheli

**Study Type:** Meta Analysis

**Diseases:** Cold and Flu: Infants & Children : CK(62) : AC(6), Infection: In Infants & Children : CK(111) : AC(11), Influenza A : CK(305) : AC(73)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Topic: Cystic Fibrosis**

*There is currently no evidence from randomised studies that influenza vaccine given to people with CF is of benefit to them.* - GMI Summary

**Pubmed Data:** Cochrane Database Syst Rev. 2009 Oct 7;(4):CD001753. PMID: 19821281
**Article Published Date:** Oct 07, 2009
**Authors:** Poonam Dharmaraj, Rosalind L Smyth

**Study Type:** Meta Analysis

**Diseases:** Cystic Fibrosis : CK(703) : AC(77)

**Additional Keywords:** Vaccine Research : CK(20) : AC(1)

**Anti Therapeutic Actions:** Vaccination: Influenza : CK(356) : AC(37)

**Annual influenza vaccination hampers the development of virus-specific CD8(+) T cell responses necessary to protect against influenza infection.** - GMI Summary

**Article Published Date:** Nov 01, 2011
**Authors:** Rogier Bodewes, Pieter L A Fraaij, Martina M Geelhoed-Mieras, Carel A van Baalen, Harm A W M Tiddens, Annemarie M C van Rossum, Fiona R van der Klis, Ron A M Fouchier, Albert D M E Osterhaus, Guus F Rimmelzwaan

**Study Type:** Human Study

**Diseases:** Cystic Fibrosis : CK(703) : AC(77), Influenza : CK(654) : AC(102)

**Adverse Pharmacological Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Topic: Elevated CRP**

*C-reactive protein (CRP) elevation occur in infants without sepsis after hepatitis B vaccination.* - GMI Summary

**Pubmed Data:** Eur J Pediatr. 2013 Jan 29. Epub 2013 Jan 29. PMID: 23358708
**Article Published Date:** Jan 28, 2013
**Authors:** Istemi Han Celik, Gamze Demirel, Fuat Emre Canpolat, Omer Erdeve, Ugur Dilmen

**Study Type:** Human Study

**Additional Keywords:** Immunosuppressive : CK(155) : AC(23)
Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of pre-eclampsia and adverse outcomes such as preterm birth. - GMI Summary

**Pubmed Data**: Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: 21945263
**Date Published**: Sep 20, 2011
**Authors**: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser
**Study Type**: Human Study

**Adverse Pharmacological Actions**: Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factor (TNFα) up-regulation : CK(42) : AC(4)

**Topic: Gulf War Syndrome**

Symptomatic Gulf War Syndrome is strongly associated with the presence of autoantibodies to squalene, an adjuvant used in vaccines. - GMI Summary

**Pubmed Data**: Exp Mol Pathol. 2000 Feb;68(1):55-64. PMID: 10640454
**Date Published**: Feb 01, 2000
**Authors**: P B Asa, Y Cao, R F Garry
**Study Type**: Human Study
**Additional Links**: Diseases: Gulf War Syndrome : CK(33) : AC(5), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Problem Substances**: Squalene, Adjuvant : CK(2) : AC(1)

**Topic: HPV**

Human Papilloma Virus (HPV) vaccine is associated with demyelinating events. - GMI Summary

**Date Published**: Jan 01, 2009
**Authors**: I Sutton, R Lahoria, II Tan, P Clouston, MH Barnett
**Study Type**: Human Study
**Additional Links**: Diseases: Demyelinating Diseases : CK(1278) : AC(250), HPV : CK(31) : AC(4), Human Papillomavirus (HPV) : CK(153) : AC(22), Vaccine-induced Toxicity : CK(1130) : AC(163)
**The way that the effectiveness of HPV vaccines are framed influences whether or not respondents believe they are effective and their acceptance level of vaccine mandate policies.** - GMI Summary

**Pubmed Data**: Patient Educ Couns. 2010 Sep 17. Epub 2010 Sep 17. PMID: 20851560

**Article Published Date**: Sep 17, 2010

**Authors**: Cabral A Bigman, Joseph N Cappella, Robert C Hornik

**Study Type**: Human Study

**Additional Links**
- **Diseases**: HPV : CK(153) : AC(22)
- **Anti Therapeutic Actions**: Vaccination: All : CK(933) : AC(163)

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**Topic: Infant Chemical Exposures**

**Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.** - GMI Summary


**Article Published Date**: Aug 01, 2009

**Authors**: José G Dórea, Rejane C Marques, Katiane G Brandão

**Study Type**: Meta Analysis

**Additional Links**
- **Diseases**: Hepatitis B : CK(226) : AC(39), Infant Chemical Exposures : CK(162) : AC(22), Mercury Poisoning : CK(162) : AC(44), Vaccine-induced Toxicity : CK(113) : AC(163)
- **Anti Therapeutic Actions**: Vaccination: All : CK(933) : AC(163)

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**Topic: Infection: In Infants & Children**

**Inactivated flu vaccines have not been proven to be effective or safe in preventing influenza in healthy children under two.** - GMI Summary


**Article Published Date**: Sep 01, 2009

**Authors**: Tom Jefferson, Alessandro Rivetti, Anthony Harnden, Carlo Di Pietrantonj, Vittorio Demicheli

**Study Type**: Meta Analysis

**Additional Links**
- **Diseases**: Cold and Flu: Infants & Children : CK(62) : AC(6), Infection: In Infants & Children : CK(111) : AC(11), Influenza A : CK(305) : AC(73)
- **Anti Therapeutic Actions**: Vaccination: All : CK(933) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

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**Topic: Myopericarditis**

**Among US military personnel vaccinated against smallpox, myopericarditis occurred at a rate of 1 per 12,819 primary vaccinees, and 3.6 fold higher in those without previous vaccinia vaccination.** - GMI Summary


**Article Published Date**: Jun 25, 2003

**Authors**: Jeffrey S Halsell, James R Riddle, J Edwin Atwood, Pierce Gardner, Robert Shope, Gregory A Poland, Gregory C Gray, Stephen Ostroff, Robert E Eckart, Duane R Hospenthal, Roger L Gibson, John D
An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly. - GMI Summary

Article Published Date: Jul 01, 1994
Authors: Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey
Study Type: Human Study
Additional Links
Diseases: Myopericarditis: CK(40) : AC(4)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States. - GMI Summary

Article Published Date: Mar 15, 2008
Authors: Juliette Morgan, Martha H Roper, Laurence Sperling, Richard A Schieber, James D Heffelfinger, Christine G Casey, Jacqueline W Miller, Scott Santibanez, Barbara Herwaldt, Paige Hightower, Pedro L Moro, Beth F Hibbs, Nancy H Levine, Louisa E Chapman, John Iskander, J Michael Lane, Melinda Wharton, Gina T Mootrey, David L Swerdlow
Study Type: Human Study
Additional Links
Diseases: Myocarditis: CK(54) : AC(8), Myopericarditis: CK(40) : AC(4), Pericarditis: CK(35) : AC(5)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

Smallpox vaccination has been associated with cardiac complications such as myopericarditis. - GMI Summary

Article Published Date: May 07, 2009
Authors: Luis F Mora, Akbar H Khan, Laurence S Sperling
Study Type: Human Study
Additional Links
Diseases: Myocarditis: CK(54) : AC(8), Myopericarditis: CK(40) : AC(4), Pericarditis: CK(35) : AC(5)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

Topic: Abortion: Spontaneous

A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows. - GMI Summary

Article Published Date: Nov 01, 1996
Authors: M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville
Study Type: Animal Study
Additional Links
Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%. - GMI Summary

Pubmed Data: J Wildl Dis. 1991 Apr;27(2):258-64. PMID: 1906114
Article Published Date: Apr 01, 1991
Authors: D S Davis, J W Templeton, T A Ficht, J D Huber, R D Angus, L G Adams
Study Type: Animal Study
Additional Links

Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies. - GMI Summary

Article Published Date: Jun 01, 2006
Authors: Boulos Botros, Adel Omar, Khairat Elian, Gihan Mohamed, Atef Soliman, Adel Salib, Diaa Salman, Magdi Saad, Kenneth Earhart
Study Type: Animal Study
Additional Links

Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does. - GMI Summary

Article Published Date: Jan 01, 2009
Authors: Samia Ahmed Kamal
Study Type: Animal Study
Additional Links

The vaccination of pregnant sheep resulted in abortions and hydranencephaly. - GMI Summary

Pubmed Data: Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: 8825310
Article Published Date: Mar 01, 2005
Authors: M Flanagan, S J Johnson
Study Type: Animal Study
Additional Links

Vaccination of pregnant monkeys resulted in abortions in 2 out of 25. - GMI Summary

Article Published Date: Apr 01, 1991
**The number of elective abortions following vaccination during pregnancy may be under-reported and could be substantial.** - GMI Summary


**Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.** - GMI Summary


**Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.** - GMI Summary


**Vaccination may contribute to causing a wide variety of autoimmune disorders.** - GMI Summary

AC(64), Systemic Lupus Erythematosus: CK(387) : AC(54), Vaccine-induced Toxicity: CK(1130) : AC(163), Vasculitis: CK(48) : AC(11).


**Topic: Childhood Infections**

**BCG revaccination may raise mortality in young children.** - GMI Summary

*Pubmed Data*: BMJ. 2010;340:c671. Epub 2010 Mar 15. PMID: [20231251](https://doi.org/10.1136/bmj.c671)

*Authors*: Adam Edvin Roth, Christine Stabell Benn, Henrik Ravn, Amabelia Rodrigues, Ida Maria Lisse, Maria Yazdanbakhsh, Hilton Whittle, Peter Aaby

*Study Type*: Human Study

*Additional Links*: Childhood Infections: CK(275) : AC(29), Tuberculosis: CK(255) : AC(44)

*Anti Therapeutic Actions*: Vaccination: BCG (Tuberculosis): CK(33) : AC(4)

**Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons.** - GMI Summary


*Authors*: Peter G Szilagyi, Gerry Fairbrother, Marie R Griffin, Richard W Hornung, Stephanie Donauer, Ardythe Morrow, Mekibib Altaye, Yuwei Zhu, Sandra Ambrose, Kathryn M Edwards, Katherine A Poehling, Geraldine Loftus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat

*Study Type*: Human Study

*Additional Links*: Childhood Infections: CK(275) : AC(29), Influenza: CK(654) : AC(102), Vaccine-induced Toxicity: CK(1130) : AC(163)

*Anti Therapeutic Actions*: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

**Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.** - GMI Summary


*Authors*: Marie-Eve Tremblay, Aurélie Closon, Guy D’Anjou, Jean-François Bussières

*Study Type*: Human: Case Report

*Additional Links*: Childhood Infections: CK(275) : AC(29), Guillain-Barre Syndrome: CK(84) : AC(14), Influenza: CK(654) : AC(102), Vaccine-induced Toxicity: CK(1130) : AC(163)

*Anti Therapeutic Actions*: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

**Topic: Child Mortality**

**Co-administration of live measles and yellow fever vaccines and inactivated pentavalent vaccines is associated with increased mortality compared with measles and yellow fever vaccines only. An observational study from Guinea-Bissau.** - GMI Summary

*Article Published Date*: Dec 06, 2013

*Authors*: Ane Bærent Fisker, Henrik Ravn, Amabelia Rodrigues, Marie Drivsholm Ostergaard, Carlito
Evidence exists demonstrating that diptheria-tetanus-pertussis (DTP) vaccines increase mortality in children. - GMI Summary

Article Published Date : Jan 01, 2007
Authors : Peter Aaby, Christine Stabell Benn, Jens Nielsen, Ida Maria Lisse, Amabelia Rodrigues, Henrik Jensen
Study Type : Human Study
Additional Links
Diseases : Child Mortality : CK(64) : AC(8)
Additional Keywords : Child Mortality : CK(64) : AC(8)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312)

High-titer measles vaccination before 9 months of age has been linked to increased female mortality. - GMI Summary

Article Published Date : Jul 01, 2003
Authors : Peter Aaby, Henrik Jensen, Francois Simondon, Hilton Whittle
Study Type : Human Study
Additional Links
Diseases : Child Mortality : CK(64) : AC(8), Measles : CK(193) : AC(8)
Additional Keywords : Measles : CK(193) : AC(8)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

Measles vaccination in developing countries has resulted in higher infant mortality rates. - GMI Summary

Pubmed Data : BMJ. 1993 Nov 20;307(6915):1294-5. PMID: 8257878
Article Published Date : Nov 20, 1993
Authors : A J Hall, F T Cutts
Study Type : Review
Additional Links
Diseases : Child Mortality : CK(64) : AC(8), Measles : CK(193) : AC(8), Vaccine-induced Toxicity : CK(1130) : AC(163)
Additional Keywords : Measles : CK(193) : AC(8)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children. - GMI Summary

Article Published Date : Apr 01, 2009
Authors : Donald A Drum
Study Type : Commentary
Additional Links
Additional Keywords : Thimerosal : CK(3) : AC(2)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312)

Topic: Ear Infection
Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children. - GMI Summary

Article Published Date: Jan 01, 2001
Authors: M A Fisher, S A Eklund, S A James, X Lin
Study Type: Human Study
Additional Links

Pneumococcal conjugate vaccine is not effective to prevent ear infections in previously unvaccinated toddlers and children with a history of recurrent ear infections. - GMI Summary

Pubmed Data: Lancet. 2003 Jun 28;361(9376):2189-95. PMID: 12842372
Article Published Date: Jun 28, 2003
Authors: Reinier Veenhoven, Debby Bogaert, Cuno Uiterwaal, Carole Brouwer, Herma Kiezebrink, Jacob Bruin, Ed Ijzerman, Peter Hermans, Ronald de Groot, Ben Zegers, Wietse Kuis, Ger Rijkers, Anne Schilder, Elisabeth Sanders
Study Type: Human Study
Additional Links

Review: based on currently available research pneumococcal vaccination should not be recommended for large scale use in ear infection prone populations. - GMI Summary

Article Published Date: Jan 01, 2002
Authors: M Straetemans, E A Sanders, R H Veenhoven, A G Schilder, R A Damaoiseaux, G A Zielhuis
Study Type: Review
Additional Links

Topic: Immune Dysregulation: TH1/TH2 imbalance

The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects. - GMI Summary

Article Published Date: Jan 01, 2011
Authors: Mogens Helweg Claesson
Study Type: Human Study
Additional Links
Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity. - GMI Summary

Pubmed Data: Hum Vaccin. 2011 Aug 1;7(8). Epub 2011 Aug 1. PMID: 21785282
Article Published Date: Aug 01, 2011
Authors: Salvatore Chirumbolo
Study Type: Review

Additional Links
Diseases: Autoimmune Diseases : CK(5317) : AC(779), Hypersensitivity : CK(64) : AC(15), Immune Disorders: B-Cell Over-Activity : CK(2) : AC(2), Immune Dysregulation: TH1/TH2 imbalance : CK(146) : AC(36), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)
Problem Substances: Adjuvant : CK(18) : AC(6)

Hepatitis B vaccination has been linked to autoimmune inflammatory polyneuropathy (PN). - GMI Summary

Pubmed Data: J Peripher Nerv Syst. 2002 Sep;7(3):163-7. PMID: 12365564
Article Published Date: Sep 01, 2002
Authors: Claude Vital, Anne Vital, Georges Gbikpi-Benissan, Maïté Longy-Boursier, Marie-Thérèse Climas, Yves Castaing, Marie-Hélène Canron, Michel Le Bras, Klaus Petry
Study Type: Human Study

Additional Links
Diseases: Acute Autoimmune Neuropathy : CK(104) : AC(2), Autoimmune inflammatory polyneuropathy (PN) : CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome. - GMI Summary

Article Published Date: Jul 15, 2008
Authors: Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen
Study Type: Human Study

Additional Links
Diseases: Acute Autoimmune Neuropathy : CK(104) : AC(2), Autoimmune Diseases : CK(5317) : AC(779), Guillain-Barre Syndrome : CK(84) : AC(14), Influenza : CK(654) : AC(102), Swine Flu Associated Virus : CK(156) : AC(33), Vaccine-induced Toxicity : CK(1130) : AC(163)
Additional Keywords: Influenza Vaccine : CK(10) : AC(1), Swine Flu Vaccine : CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Topic: C-Reactive Protein

CRP level in infants is elevated in the 48 hours following immunization. - GMI Summary

Article Published Date: Aug 01, 2007
Authors: Massroor Pourcyrous, Sheldon B Korones, Kristopher L Arheart, Henrietta S Bada
Study Type: Human Study

Additional Links
Diseases: C-Reactive Protein : CK(819) : AC(74), Premature Birth : CK(412) : AC(43), Vaccine-induced Toxicity : CK(1130) : AC(163)
Additional Keywords: Multiple Vaccines : CK(10) : AC(1)
Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events. - GMI Summary

Pubmed Data: J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: 20964738

Authors: Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

Study Type: Human Study

Additional Links

Diseases: C-Reactive Protein: CK(819) : AC(74), Cardiovascular Diseases: CK(5138) : AC(641), Diabetes Mellitus: Type 2: CK(3507) : AC(341), Influenza A: CK(305) : AC(73), Vaccine-induced Toxicity: CK(1130) : AC(163)

Pharmacological Actions: Interleukin-6 upregulation: CK(26) : AC(7)

Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

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Topic: Cataract

In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously. - GMI Summary


Authors: V Boniuk

Study Type: Human Study

Additional Links


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Topic: Corticosteroid-Induced Toxicity

Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease. - GMI Summary


Authors: Thomas Verstraeten, Aisha O Jumaan, John P Mullooly, Jane F Seward, Hector S Izurieta, Frank DeStefano, Steven B Black, Robert T Chen,

Study Type: Human Study

Additional Links

Diseases: Asthma: CK(918) : AC(134), Chickenpox: CK(80) : AC(8), Corticosteroid-Induced Toxicity: CK(78) : AC(17)


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Topic: Encephalitis

Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible individuals. - GMI Summary

Pubmed Data: Cytotechnology. 2002 Nov;40(1-3):139-49. PMID: 20447868
Varicella-zoster vaccine has been linked to herpes zoster ophthalmicus and encephalitis as possible, though rare side effects. - GMI Summary


Acute necrotizing encephalopathy secondary to diphtheria, tetanus toxoid and whole-cell pertussis vaccination has been reported. - GMI Summary


Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occurred in metabolically vulnerable children. - GMI Summary


Combined MMR and varicella live vaccine is associated with higher rates of febrile convolution than giving the vaccines separately. - GMI Summary

Varicella vaccine has been reported to cause herpes zoster skin lesions and meningitis in a previously healthy boy. - GMI Summary

Article Published Date: Nov 15, 2008
Authors: Myron J Levin, Roberta L DeBiasi, Vanda Bostik, D Scott Schmid
Study Type: Human Study
Additional Links

Varicella vaccine has been reported to viral meningitis in an immunocompetent child. - GMI Summary

Article Published Date: Jun 01, 2009
Authors: Sujit Iyer, Manoj K Mittal, Richard L Hodinka
Study Type: Human Study
Additional Links
Diseases: Chickenpox: CK(80): AC(8), Herpes Zoster: CK(470): AC(35), Meningitis: Viral: CK(20): AC(2)
Pharmacological Actions: Antiviral Agents: CK(625): AC(293)
Additional Keywords: Undefined: CK(14): AC(3)

Topic: Myocarditis

An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly. - GMI Summary

Article Published Date: Jul 01, 1994
Authors: Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey
Study Type: Human Study
Additional Links

Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States. - GMI Summary

Article Published Date: Mar 15, 2008
Authors: Juliette Morgan, Martha H Roper, Laurence Sperling, Richard A Schieber, James D Heffelfinger, Christine G Casey, Jacqueline W Miller, Scott Santibanez, Barbara Herwaldt, Paige
Smallpox vaccination has been associated with cardiac complications such as myopericarditis. - GMI Summary


An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly. - GMI Summary


Smallpox vaccination has been associated with cardiac complications such as myopericarditis. - GMI Summary

**Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.** - GMI Summary


Article Published Date: Jan 01, 2010

Authors: Roger E Thomas, Tom Jefferson, Toby J Lasserson

Study Type: Meta Analysis


Anti Therapeutic Actions: Vaccination: Influenza: CK(356): AC(37)

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**Pneumococcal vaccines do not appear to reduce the risk of death from pneumonia in adult populations.** - GMI Summary

Pubmed Data: Cochrane Database Syst Rev. 2003(4):CD000422. PMID: [14583920](#)

Article Published Date: Jan 01, 2003

Authors: K Dear, J Holden, R Andrews, D Tatham

Study Type: Human Study

Diseases: Pneumococcal Infections: CK(50): AC(11), Pneumonia: CK(330): AC(40)


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**CRP level in infants is elevated in the 48 hours following immunization.** - GMI Summary


Article Published Date: Aug 01, 2007

Authors: Massroor Pourcyrous, Sheldon B Korones, Kristopher L Arheart, Henrietta S Bada

Study Type: Human Study


Additional Keywords: Multiple Vaccines: CK(10): AC(1)

Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

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**Hepatitis B vaccination is associated with potentially neurotoxic mercury exposure in infants.** - GMI Summary


Article Published Date: Mar 29, 2008

Authors: G V Stajich, G P Lopez, S W Harry, W R Sexson

Study Type: Human Study


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**Topic: Pneumonia**

**Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.** - GMI Summary


Article Published Date: Jan 01, 2010

Authors: Roger E Thomas, Tom Jefferson, Toby J Lasserson

Study Type: Meta Analysis


Anti Therapeutic Actions: Vaccination: Influenza: CK(356): AC(37)

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**Pneumococcal vaccines do not appear to reduce the risk of death from pneumonia in adult populations.** - GMI Summary

Pubmed Data: Cochrane Database Syst Rev. 2003(4):CD000422. PMID: [14583920](#)

Article Published Date: Jan 01, 2003

Authors: K Dear, J Holden, R Andrews, D Tatham

Study Type: Human Study

Diseases: Pneumococcal Infections: CK(50): AC(11), Pneumonia: CK(330): AC(40)


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**CRP level in infants is elevated in the 48 hours following immunization.** - GMI Summary


Article Published Date: Aug 01, 2007

Authors: Massroor Pourcyrous, Sheldon B Korones, Kristopher L Arheart, Henrietta S Bada

Study Type: Human Study


Additional Keywords: Multiple Vaccines: CK(10): AC(1)

Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

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**Hepatitis B vaccination is associated with potentially neurotoxic mercury exposure in infants.** - GMI Summary


Article Published Date: Mar 29, 2008

Authors: G V Stajich, G P Lopez, S W Harry, W R Sexson

Study Type: Human Study


**Hepatitis B vaccination is associated with a wide range of autoimmune diseases.** - GMI Summary


**Article Published Date**: Feb 01, 2006

**Authors**: M R Geier, D A Geier

**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

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**A case of influenza vaccine induced have necrotizing glomerulonephritis in decursu vasculitis has been reported.** - GMI Summary


**Article Published Date**: Jul 01, 2005

**Authors**: Lidia Hyla-Klekot, Grazyna Kucharska, Witold Cieslak

**Study Type**: Human: Case Report

**Diseases**: Glomerulonephritis: CK(41) : AC(9), Vasculitis: CK(48) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

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**Topic:** Lupus Erythematosus: Systemic

**Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.** - GMI Summary


**Article Published Date**: Jun 01, 2005

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

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**Possible systemic lupus erythematosus following HPV immunization has been reported.** - GMI Summary


**Article Published Date**: Jan 01, 2012

**Authors**: Hf Soldevilla, Sfr Briones, Sv Navarra

**Study Type**: Human: Case Report

**Diseases**: Lupus Erythematosus: Systemic: CK(949) : AC(53), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: HPV (Gardisil): CK(105) : AC(13)

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**Topic:** Seizures
DPT vaccines have been associated with recurrent seizures. - GMI Summary

Article Published Date: Oct 01, 1984
Authors: J V Murphy, L D Sarff, K M Marquardt
Study Type: Human Study

Additional Links
Diseases: Pertussis : CK(142) : AC(14), Seizures : CK(122) : AC(28), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

H1N1 vaccination has been linked to possible new-onset seizure. - GMI Summary

Article Published Date: Jan 01, 2011
Authors: [No authors listed]
Study Type: Human: Case Report

Additional Links
Diseases: Influenza : CK(654) : AC(102), Seizures : CK(122) : AC(28)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

Topic: Macrophagic myofasciitis

Aluminum hydroxide-induced macrophagic myofasciitis (MMF) associated with vaccination has been reported. - GMI Summary

Article Published Date: Nov 01, 2011
Authors: Elodie Passeri, Chiara Villa, Maryline Couette, Emmanuel Itti, Pierre Brugieres, Pierre Cesaro, Romain K Gherardi, Anne-Catherine Bachoud-Levi, François-Jérôme Authier
Study Type: Human Study

Additional Links
Diseases: Macrophagic myofasciitis : CK(15) : AC(3)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)
Problem Substances: Aluminum Hydroxide : CK(56) : AC(14), Vaccine Adjuvants : CK(383) : AC(77)

The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines. - GMI Summary

Article Published Date: Mar 14, 2012
Authors: Olivier Guillard, Bernard Fauconneau, Alain Pineau, Annie Marrauld, Jean-Pierre Bellocq, Marie-Pierre Chenard
Study Type: Human: Case Report, Review

Additional Links
Diseases: Chronic Fatigue Syndrome : CK(397) : AC(28), Macrophagic myofasciitis : CK(15) : AC(3), Pseudolymphoma : CK(3) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)
Problem Substances: Aluminum Hydroxide : CK(56) : AC(14), Vaccine Adjuvants : CK(383) : AC(77)
Adverse Pharmacological Actions: Immunotoxic : CK(230) : AC(38)

Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary

Article Published Date: Feb 01, 2010
**Topic:** Non-polio acute flaccid paralysis (NPAFP)

*Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary.* - GMI Summary

**Pubmed Data:** Am J Epidemiol. 2011 Aug 1;174(3):316-25. Epub 2011 Jun 17. PMID: [21685412](#)

**Article Published Date:** Jul 31, 2011

**Authors:** Concepción F Estívariz, Zsuzsanna Molnár, Linda Venczel, Beatrix Kapusinszky, James A Zingeser, Galina Y Lipskaya, Olen M Kew, György Berencsi, Agnes Csohán

**Study Type:** Human Study

**Additional Links**


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**In 2011, there were an extra 47,500 new cases of non-polio acute flaccid paralysis (NPAFP): Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio received.** - GMI Summary

**Pubmed Data:** Indian J Med Ethics. 2012 Apr-Jun;9(2):114-7. PMID: [22591873](#)

**Article Published Date:** Apr 01, 2012

**Authors:** Neetu Vashisht, Jacob Puliyel

**Study Type:** Review

**Additional Links**


**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Polio: CK(94) : AC(15)

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**Over 40,000 cases of AFP are reported annually since 2007 regardless of the number of actual polio cases.** - GMI Summary


**Article Published Date:** Jan 01, 2012

**Authors:** Rie R Yotsu, Katharine Abba, Helen Smith, Abhijit Das

**Study Type:** Review

**Additional Links**


**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Polio: CK(94) : AC(15)

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**Topic:** Animal Diseases: Infectious
A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows. - GMI Summary

**Article Published Date**: Nov 01, 1996
**Authors**: M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville
**Study Type**: Animal Study
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Animal Model : CK(39) : AC(16)

Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%. - GMI Summary

**Pubmed Data**: J Wildl Dis. 1991 Apr;27(2):258-64. PMID: 1906114
**Article Published Date**: Apr 01, 1991
**Authors**: D S Davis, J W Templeton, T A Ficht, J D Huber, R D Angus, L G Adams
**Study Type**: Animal Study
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Animal Model : CK(39) : AC(16)

Vaccination of pregnant monkeys resulted in abortions in 2 out of 25. - GMI Summary

**Article Published Date**: Apr 01, 1991
**Authors**: A Escajadillo, J K Frenkel
**Study Type**: Animal Study
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Animal Model : CK(39) : AC(16)

Vaccine-induced scrapie has been reported in animals. - GMI Summary

**Pubmed Data**: J Gen Virol. 2003 Apr;84(Pt 4):1047-52. PMID: 12655108
**Article Published Date**: Apr 01, 2003
**Authors**: Gianluigi Zanusso, Cristina Casalone, Pierluigi Acutis, Elena Bozzetta, Alessia Farinazzo, Matteo Gelati, Michele Fiorini, Gianluigi Forloni, Man Sun Sy, Salvatore Monaco, Maria Caramelli
**Study Type**: Animal Study
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Animal Model : CK(39) : AC(16)

**Topic**: Rabies

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy. - GMI Summary

**Article Published Date**: Dec 09, 2009
Rabies vaccine may be ineffective during symptomatic rabies and may contribute to "early death." - GMI Summary

**Pubmed Data**: Vaccine. 2009 Nov 27;27(51):7173-7. PMID: 19925949

**Article Published Date**: Nov 27, 2009

**Authors**: Rodney E Willoughby

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Rabies : CK(13) : AC(3)

**Anti Therapeutic Actions**: Vaccination: Rabies : CK(4) : AC(3)

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**Topic**: Polio

The oral polio vaccine is unlikely to be able to eradicate polio from India. - GMI Summary


**Article Published Date**: Apr 16, 2008

**Authors**: Yash Paul

**Study Type**: Human Study

**Additional Links**

**Diseases**: Polio : CK(19) : AC(8)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Polio : CK(94) : AC(15)

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Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent recombination events and mutations. - GMI Summary

**Pubmed Data**: J Infect Dis. 2012 May 1 ;205(9):1363-73. Epub 2012 Mar 29. PMID: 22457288

**Article Published Date**: May 01, 2012

**Authors**: Marie-Line Joffret, Sophie Jégouic, Maël Bessaud, Jean Balanant, Coralie Tran, Valerie Caro, Barbara Holmblat, Richter Razafindratsimandresy, Jean-Marc Reynes, Mala Rakoto-Andiranarivelo, Francis Delpeyrroux

**Study Type**: Review

**Additional Links**

**Diseases**: Polio : CK(19) : AC(8), Polio: Vaccine-Related : CK(1) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: Polio : CK(94) : AC(15)

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**Topic**: Alopecia

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases. - GMI Summary

**Pubmed Data**: Autoimmunity. 2005 Jun;38(4):295-301. PMID: 16206512

**Article Published Date**: Jun 01, 2005

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Alopecia : CK(131) : AC(28), Arthritis : CK(1430) : AC(218), Hepatitis B : CK(226) : AC(39)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Topic: Anemia: Aplastic**

**Varicella vaccine may be associated with aplastic anemia in children.** - GMI

**Summary**

**Pubmed Data**: Pediatr Infect Dis J. 2009 Aug;28(8):746-8. PMID: [19633522](#)

**Article Published Date**: Aug 01, 2009

**Authors**: Paola Angelini, Fotini Kavadas, Navneet Sharma, Susan E Richardson, Graham Tipples, Chaim Roifman, Yigal Dror, Yehuda Nofech-Mozes

**Study Type**: Human Study

**Additional Links**

**Diseases**: Anemia: Aplastic : CK(30) : AC(3), Chickenpox : CK(80) : AC(8)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

**Topic: Arthritis: Juvenile Chronic**

**Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.** - GMI

**Summary**


**Article Published Date**: Jan 01, 2001

**Authors**: M A Fisher, S A Eklund, S A James, X Lin

**Study Type**: Human Study

**Additional Links**

**Diseases**: Arthritis : CK(1430) : AC(218), Arthritis: Juvenile Chronic : CK(20) : AC(1), Arthritis: Juvenile Idiopathic : CK(20) : AC(1), Arthritis: Juvenile Rheumatoid : CK(10) : AC(1), Ear Infection : CK(604) : AC(33), Pharyngeal Diseases : CK(20) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Topic: Arthritis: Juvenile Rheumatoid**

**Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.** - GMI

**Summary**


**Article Published Date**: Jan 01, 2001

**Authors**: M A Fisher, S A Eklund, S A James, X Lin

**Study Type**: Human Study

**Additional Links**

**Diseases**: Arthritis : CK(1430) : AC(218), Arthritis: Juvenile Chronic : CK(20) : AC(1), Arthritis: Juvenile Idiopathic : CK(20) : AC(1), Arthritis: Juvenile Rheumatoid : CK(10) : AC(1), Ear Infection : CK(604) : AC(33), Pharyngeal Diseases : CK(20) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Topic: Arthritis: Rheumatoid**

**Hepatitis B vaccination is associated with a wide range of autoimmune diseases.** - GMI

**Article Published Date**: Feb 01, 2006

**Authors**: M R Geier, D A Geier

**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Topic**: Atopic Disease

Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years. - GMI Summary


**Article Published Date**: Mar 01, 2007

**Authors**: Kazunori Nakajima, Shyamali C Dharmage, John B Carlin, Cathryn L Wharton, Mark A Jenkins, Graham G Giles, Michael J Abramson, E Haydn Walters, John L Hopper

**Study Type**: Meta Analysis

**Diseases**: Asthma : CK(918) : AC(134), Atopic Disease : CK(91) : AC(9), Hypersensitivity: Immediate : CK(93) : AC(9)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Diptheria : CK(50) : AC(2)

**Topic**: Autoimmune inflammatory polyneuropathy (PN)

Hepatitis B vaccination has been linked to autoimmune inflammatory polyneuropathy (PN). - GMI Summary

**Pubmed Data**: J Peripher Nerv Syst. 2002 Sep;7(3):163-7. PMID: 12365564

**Article Published Date**: Sep 01, 2002

**Authors**: Claude Vital, Anne Vital, Georges Gbikpi-Benissan, Maïté Longy-Boursier, Marie-Thérèse Climas, Yves Castaing, Marie-Hélène Canron, Michel Le Bras, Klaus Petry

**Study Type**: Human Study

**Diseases**: Acute Autoimmune Neuropathy : CK(104) : AC(2), Autoimmune inflammatory polyneuropathy (PN) : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Topic**: CRP

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclempsia and adverse outcomes such as preterm birth. - GMI Summary

**Pubmed Data**: Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: 21945263

**Article Published Date**: Sep 20, 2011

**Authors**: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

**Study Type**: Human Study

**Topic: Cardiovascular Diseases**

**Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.** - GMI Summary

**Pubmed Data**: J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: 20964738

**Article Published Date**: Sep 01, 2010

**Authors**: Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

**Study Type**: Human Study

**Additional Links**

**Diseases**: C-Reactive Protein: CK(819) : AC(74), Cardiovascular Diseases: CK(5138) : AC(641), Diabetes Mellitus: Type 2: CK(3507) : AC(341), Influenza A: CK(305) : AC(73), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

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**Topic: Cervical Cancer**

**The risk of miscarriage increases following HPV vaccination.** - GMI Summary

**Pubmed Data**: BMJ. 2010;340:c712. Epub 2010 Mar 2. PMID: 20197322

**Article Published Date**: Jan 01, 2010

**Authors**: Sholom Wacholder, Bingshu Eric Chen, Allen Wilcox, George Macones, Paula Gonzalez, Brian Befano, Allan Hildesheim, Ana Cecilia Rodríguez, Diane Solomon, Rolando Herrero, Mark Schiffman

**Study Type**: Human Study

**Additional Links**

**Diseases**: Cervical Cancer: CK(378) : AC(69)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: HPV (Gardisil): CK(105) : AC(13)

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**Topic: Diabetes Mellitus: Type 2**

**Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.** - GMI Summary

**Pubmed Data**: J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: 20964738

**Article Published Date**: Sep 01, 2010

**Authors**: Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

**Study Type**: Human Study

**Additional Links**

**Diseases**: C-Reactive Protein: CK(819) : AC(74), Cardiovascular Diseases: CK(5138) : AC(641), Diabetes Mellitus: Type 2: CK(3507) : AC(341), Influenza A: CK(305) : AC(73), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Pharmacological Actions**: Interleukin-6 upregulation: CK(26) : AC(7)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

---

**Topic: Gastroenteritis**
Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception. - GMI Summary

**Pubmed Data**: Pediatrics. 2004 Apr;113(4):e353-9. PMID: 15060267

**Article Published Date**: Apr 01, 2004

**Authors**: Penina Haber, Robert T Chen, Lynn R Zanardi, Gina T Mootrey, Roseanne English, M Miles Braun,

**Study Type**: Human Study

**Diseases**: Gastroenteritis: CK(96) : AC(11), Intussusception: CK(30) : AC(3), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Rotavirus: CK(33) : AC(6)

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**Topic: Gastrointestinal Diseases**

Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities. - GMI Summary

**Pubmed Data**: Hepatogastroenterology. 2002 Nov-Dec;49(48):1571-5. PMID: 12397738

**Article Published Date**: Nov 01, 2002

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study

**Diseases**: Gastrointestinal Diseases: CK(38) : AC(14), Hepatitis: CK(64) : AC(23), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

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**Topic: Haemophilus influenzae**

A Haemophilus b polysaccharide vaccine resulted in minus 58 percent efficacy in children in Minnesota in August 1985. - GMI Summary

**Pubmed Data**: JAMA. 1988 Sep 9;260(10):1423-8. PMID: 3261350

**Article Published Date**: Sep 09, 1988

**Authors**: M T Osterholm, J H Rambeck, K E White, J L Jacobs, L M Pierson, J D Neaton, C W Hedberg, K L MacDonald, D M Granoff

**Study Type**: Human Study

**Diseases**: Haemophilus influenzae: CK(54) : AC(9)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Haemophilus Influenzae: CK(32) : AC(4)

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**Topic: Hearing Loss: Sudden**

38,787 adverse events including infant death (highest in 1-3 month olds) after vaccination were reported between 1991-1994. (The authors speciously claim SIDS and not vaccination caused these deaths). - GMI Summary


**Article Published Date**: Oct 01, 1997

**Authors**: M M Braun, S S Ellenberg

**Study Type**: Meta Analysis
**Topic: Hepatitis**

Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities. - GMI Summary

**Pubmed Data:** Hepatogastroenterology. 2002 Nov-Dec;49(48):1571-5. PMID: 12397738

**Article Published Date:** Nov 01, 2002

**Authors:** David A Geier, Mark R Geier

**Study Type:** Human Study

**Additional Links**

**Diseases:** Gastrointestinal Diseases: CK(38) : AC(14), Hepatitis: CK(64) : AC(23), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Topic: Herpes: Ocular**

Varicella-zoster vaccine has been linked to herpes zoster ophthalmicus and encephalitis as possible, though rare side effects. - GMI Summary

**Pubmed Data:** Pediatrics. 2010 Apr;125(4):e969-72. Epub 2010 Mar 1. PMID: 20194287

**Article Published Date:** Apr 01, 2010

**Authors:** Giorgos Chouliaras, Vana Spoulou, Mark Quinlivan, Judith Breuer, Maria Theodoridou

**Study Type:** Human Study

**Additional Links**

**Diseases:** Encephalitis : CK(23) : AC(4), Herpes: Ocular : CK(12) : AC(2)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

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**Topic: Hypersensitivity: Immediate**

Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years. - GMI Summary

**Pubmed Data:** Thorax. 2007 Mar;62(3):270-5. Epub 2006 Nov 7. PMID: 17090571

**Article Published Date:** Mar 01, 2007

**Authors:** Kazunori Nakajima, Shyamali C Dharmage, John B Carlin, Cathryn L Wharton, Mark A Jenkins, Graham G Giles, Michael J Abramson, E Haydn Walters, John L Hopper

**Study Type:** Meta Analysis

**Additional Links**

**Diseases:** Asthma : CK(918) : AC(134), Atopic Disease : CK(91) : AC(9), Hypersensitivity: Immediate : CK(93) : AC(9)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Diptheria : CK(50) : AC(2)

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**Topic: Iatrogenic Disease**

Acute hepatitis B can occur in those who are vaccinated against it and who are exposed through unprotected sexual contact and iatrogenically. - GMI Summary
**Topic: Inflammation**

**Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of age.** - GMI Summary

**Pubmed Data**: Reprod Toxicol. 2002 May-Jun;16(3):237-43. PMID: 18843097

**Article Published Date**: May 01, 2002

**Authors**: Yann Mikaeloff, Guillaume Caridade, Samy Suissa, Marc Tardieu

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Demyelinating Diseases: CK(1278) : AC(250), Inflammation: CK(1077) : AC(363), Multiple Sclerosis: CK(716) : AC(133)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Topic: Inflammatory Bowel Diseases**

**Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders.** - GMI Summary


**Article Published Date**: Apr 01, 2000

**Authors**: H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Autism Spectrum Disorders : CK(1160) : AC(112), Inflammatory Bowel Diseases : CK(1227) : AC(103), Ulcerative Colitis : CK(429) : AC(39), Vaccine-induced Toxicity : CK(1130) : AC(163)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

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**Topic: Influenza B**

**There is little evidence supporting the belief that vaccines are effective in preventing influenza in healthy adults.** - GMI Summary

**Pubmed Data**: Cochrane Database Syst Rev. 2010(7):CD001269. Epub 2010 Jul 7. PMID: 20614424

**Article Published Date**: Jan 01, 2010

**Authors**: Tom Jefferson, Carlo Di Pietrantonj, Alessandro Rivetti, Ghada A Bawazeer, Lubna A Al-Ansary, Eliana Ferroni

**Study Type**: Meta Analysis

**Additional Links**

- **Diseases**: Influenza A : CK(305) : AC(73), Influenza B : CK(72) : AC(14)
- **Anti Therapeutic Actions**: Vaccination: Influenza : CK(356) : AC(37)

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**Topic: Joint Diseases**
Anthrax vaccination contributes to joint related adverse reactions. - GMI Summary


**Article Published Date**: Mar 01, 2002

**Authors**: D A Geier, M R Geier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Joint Diseases : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Anthrax : CK(62) : AC(8)

---

**Topic**: Liver Disease

**Hepatitis B vaccine is associated with an increased risk of liver problems in U.S. children less than 6 years old, 1993 and 1994.** - GMI Summary

**Pubmed Data**: Epidemiology. 1999 May;10(3):337-9. PMID: 10230847

**Article Published Date**: May 01, 1999

**Authors**: M A Fisher, S A Eklund

**Study Type**: Human Study

**Additional Links**

**Diseases**: Liver Disease : CK(112) : AC(31), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Topic**: Lyme Disease

**Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.** - GMI Summary


**Article Published Date**: Dec 09, 2009

**Authors**: Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

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**Topic**: Neuropathy: Small Fiber

**Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.** - GMI Summary


**Article Published Date**: Dec 09, 2009

**Authors**: Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)
**Topic: Pancytopenia**

**Hepatitis B vaccination is associated with a wide range of autoimmune diseases.** - GMI Summary


**Article Published Date** : Feb 01, 2006

**Authors** : M R Geier, D A Geier

**Study Type** : Human Study

**Diseases** :

- Arthritis: CK(1430) : AC(218)
- Arthritis: Rheumatoid: CK(289) : AC(54)
- Autoimmune Diseases: CK(5317) : AC(779)
- Glomerulonephritis: CK(41) : AC(9)
- Guillain-Barre Syndrome: CK(84) : AC(14)
- Multiple Sclerosis: CK(716) : AC(133)
- Myelitis: CK(39) : AC(5)
- Optic Neuritis: CK(23) : AC(3)
- Pancytopenia: CK(12) : AC(2)
- Systemic Lupus Erythematosus: CK(387) : AC(54)
- Thrombocytopenia: CK(800) : AC(25)

**Anti Therapeutic Actions** :
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Hepatitis B: CK(347) : AC(48)

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**Topic: Pharyngeal Diseases**

**Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.** - GMI Summary


**Article Published Date** : Jan 01, 2001

**Authors** : M A Fisher, S A Eklund, S A James, X Lin

**Study Type** : Human Study

**Diseases** :

- Arthritis: CK(1430) : AC(218)
- Arthritis: Juvenile Chronic: CK(20) : AC(1)
- Arthritis: Juvenile Idiopathic: CK(20) : AC(1)
- Arthritis: Juvenile Rheumatoid: CK(10) : AC(1)
- Ear Infection: CK(604) : AC(33)
- Pharyngeal Diseases: CK(20) : AC(2)

**Anti Therapeutic Actions** :
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Hepatitis B: CK(347) : AC(48)

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**Topic: Pre-Eclampsia**

**Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclempsia and adverse outcomes such as preterm birth.** - GMI Summary

**Pubmed Data** : Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: 21945263

**Article Published Date** : Sep 20, 2011

**Authors** : Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

**Study Type** : Human Study

**Diseases** :

- CRP: CK(30) : AC(3)
- Elevated CRP: CK(72) : AC(8)
- Pre-Eclampsia: CK(309) : AC(33)
- Pregnancy: Vaccination: CK(92) : AC(16)
- Pregnancy Complications: CK(166) : AC(19)
- Preterm Birth: Prevention: CK(111) : AC(9)
- Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions** :
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Influenza: CK(356) : AC(37)

**Adverse Pharmacological Actions** :
- Interleukin-6 up-regulation: CK(14) : AC(3)
- Tumor necrosis factorα (TNFα) up-regulation: CK(42) : AC(4)

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**Topic: Pregnancy Complications**

**Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclempsia and adverse outcomes such as preterm birth.** - GMI Summary

**Pubmed Data** : Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: 21945263

**Article Published Date** : Sep 20, 2011

**Authors** : Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

**Study Type** : Human Study

**Diseases** :

- CRP: CK(30) : AC(3)
- Elevated CRP: CK(72) : AC(8)
- Pre-Eclampsia: CK(309) : AC(33)
- Pregnancy: Vaccination: CK(92) : AC(16)
- Pregnancy Complications: CK(166) : AC(19)
- Preterm Birth: Prevention: CK(111) : AC(9)
- Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions** :
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Influenza: CK(356) : AC(37)

**Adverse Pharmacological Actions** :
- Interleukin-6 up-regulation: CK(14) : AC(3)
- Tumor necrosis factorα (TNFα) up-regulation: CK(42) : AC(4)
**Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.** - GMI Summary

**Pubmed Data:** Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: 21945263

**Article Published Date:** Sep 20, 2011

**Authors:** Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

**Study Type:** Human Study


**Anti Therapeutic Actions:** Vaccination: All: CK(3934): AC(312), Vaccination: Influenza: CK(356): AC(37)

**Adverse Pharmacological Actions:** Interleukin-6 up-regulation: CK(14): AC(3), Tumor necrosis factorα (TNFα) up-regulation: CK(42): AC(4)

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**Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.** - GMI Summary


**Article Published Date:** Jul 19, 2010

**Authors:** Mark R Nelson, Helena C Britt, Christopher M Harrison

**Study Type:** Human Study

**Diseases:** Chickenpox: CK(80): AC(8), Herpes Zoster: CK(470): AC(35), Shingles: CK(521): AC(33), Vaccine-induced Toxicity: CK(1130): AC(163)

**Additional Keywords:** Chicken Pox (Varicella) Shingles (Herpes Zoster) Connection: CK(20): AC(2)

**Anti Therapeutic Actions:** Vaccination: All: CK(3934): AC(312), Vaccination: Varicella (Chicken pox): CK(164): AC(20)

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**Influenza vaccination does not prevent ischemic stroke and it does not reduce the rate of acute previous infections in stroke patients.** - GMI Summary

Topic: Syncope

**Postlicensure safety surveillance has revealed a disproportionate reporting of syncope and venous thromboembolic events following quadrivalent HPV vaccination.** - GMI Summary

Pubmed Data: JAMA. 2009 Aug 19;302(7):750-7. PMID: 19690307

Authors: Barbara A Slade, Laura Leidel, Claudia Vellozzi, Emily Jane Woo, Wei Hua, Andrea Sutherland, Hector S Izurieta, Robert Ball, Nancy Miller, M Miles Braun, Lauri E Markowitz, John Iskander

Study Type: Human Study

Additional Links

Diseases: Syncope: CK(10) : AC(1), Thromboembolism: CK(205) : AC(19)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: HPV (Gardisil) : CK(105) : AC(13)

Topic: Thromboembolism

**Postlicensure safety surveillance has revealed a disproportionate reporting of syncope and venous thromboembolic events following quadrivalent HPV vaccination.** - GMI Summary

Pubmed Data: JAMA. 2009 Aug 19;302(7):750-7. PMID: 19690307

Authors: Barbara A Slade, Laura Leidel, Claudia Vellozzi, Emily Jane Woo, Wei Hua, Andrea Sutherland, Hector S Izurieta, Robert Ball, Nancy Miller, M Miles Braun, Lauri E Markowitz, John Iskander

Study Type: Human Study

Additional Links

Diseases: Syncope: CK(10) : AC(1), Thromboembolism: CK(205) : AC(19)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: HPV (Gardisil) : CK(105) : AC(13)

Topic: Ulcerative Colitis

**Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders.** - GMI Summary


Authors: H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield

Study Type: Human Study

Additional Links

Diseases: Autism Spectrum Disorders : CK(1160) : AC(112), Inflammatory Bowel Diseases : CK(1227) : AC(103), Ulcerative Colitis : CK(429) : AC(39), Vaccine-induced Toxicity : CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)
**Topic: Uveitis**

**Hepatitis B vaccine may have a possible association with the development of uveitis in some patients.** - GMI Summary

*Article Published Date*: Mar 01, 2010
*Authors*: Frederick W Fraunfelder, Eric B Suhler, Frederick T Fraunfelder
*Study Type*: Human Study
*Additional Links*
*Diseases*: Uveitis: CK(63) : AC(10), Vaccine-induced Toxicity: CK(1130) : AC(163)
*Anti Therapeutic Actions*: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Topic: Viremia**

**Varicella vaccine has been associated with viremia and streptococcal toxic shock syndrome.** - GMI Summary

*Article Published Date*: Apr 20, 2009
*Authors*: Claire M Italiano, Cheryl S Toi, Simon P Chan, Dominic E Dwyer
*Study Type*: Human Study
*Additional Links*
*Diseases*: Chickenpox : CK(80) : AC(8), Viremia : CK(10) : AC(1)
*Anti Therapeutic Actions*: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

**Topic: Animal Diseases: Porcine Circovirus Type 2 (PCV2)**

**Experimental in utero inoculation of late-term swine fetuses with porcine circovirus type 2 results in a high rate of reproductive abnormalities, including mummification and stillbirth.** - GMI Summary

*Article Published Date*: Nov 01, 2002
*Authors*: Charles S Johnson, Han S Joo, Kochakorn Direksin, Kyoung-Jin Yoon, Young K Choi
*Study Type*: Animal Study
*Additional Links*
*Diseases*: Animal Diseases: Porcine Circovirus Type 2 (PCV2) : CK(11) : AC(7)

**Porcine circovirus type 2 (PCV2) vaccination of pregnant pigs may result in vertical transmission of PCV2 to the offspring.** - GMI Summary

*Article Published Date*: Jun 01, 2009
*Authors*: D M Madson, A R Patterson, S Ramamoorthy, N Pal, X J Meng, T Opriessnig
*Study Type*: Animal Study
*Additional Links*
*Diseases*: Animal Diseases: Porcine Circovirus Type 2 (PCV2) : CK(11) : AC(7)

**The intranasal inoculation of pregnant sows with porcine circovirus 2 results in abortion and reproductive failure.** - GMI Summary
Vaccine-induced immunity in pregnant pigs is not effective in preventing viremia in offspring. - GMI Summary

PCV2 infection is now widespread worldwide, and increasing numbers of disease conditions have been linked to PCV2 infection in pigs. - GMI Summary

Topic: Chronic Fatigue Syndrome

The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines. - GMI Summary
Diseases: Chronic Fatigue Syndrome: CK(397) : AC(28), Macrophagic myofasciitis : CK(15) : AC(3), Pseudolymphoma : CK(3) : AC(1).

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312).


The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer.

GMI Summary


Article Published Date: May 01, 2010

Authors: Takayuki Miyazawa

Study Type: Animal Study

Additional Links


Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312).

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.

GMI Summary


Article Published Date: Feb 01, 2009

Authors: Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier

Study Type: Commentary

Additional Links


Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312).

Topic: Guillain Barre Syndrome: Miller Fisher Variant

Influenza vaccination may increase the risk of Guillain-Barré Syndrome.

GMI Summary


Article Published Date: Dec 01, 2008

Authors: C I Blanco-Marchite, L Buznego-Suárez, M A Fagúndez-Vargas, M Méndez-Llatas, P Pozo-Martos

Study Type: Human Study

Additional Links


Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312).

Influenza vaccination has been reported to cause miller fisher syndrome.

GMI Summary


Article Published Date: Oct 01, 2011

Authors: Ashkan Shoamanesh, Kristine Chapman, Anthony Traboulsee

Study Type: Human: Case Report

Additional Links


**Topic: Tetanus**

*Adverse effects of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine in 6- to 7-year-old children.* - GMI Summary


**Article Published Date**: Feb 01, 2011

**Authors**: Sung-Hsi Wei, Yen-Nan Chao, Song-En Huang, Tsuey-Feng Lee, Luan-Yin Chang

**Study Type**: Human Study

**Diseases**: Tetanus: CK(32) : AC(5), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus: CK(283) : AC(31)

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**Severe tetanus has been reported in immunized patients with high anti-tetanus titers.** - GMI Summary

**Pubmed Data**: Neurology. 1992 Apr ;42(4):761-4. PMID: [1565228](https://doi.org/10.1212/WNL.42.4.761-a)

**Article Published Date**: Apr 01, 1992

**Authors**: N E Crone, A T Reder

**Study Type**: Human: Case Report

**Diseases**: Tetanus: CK(32) : AC(5)

**Additional Keywords**: Antibody Theory Of Vaccinology: CK(35) : AC(5), Vaccine Failure: CK(123) : AC(13)

**Anti Therapeutic Actions**: Vaccination: Tetanus: CK(48) : AC(8)

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**Topic: Animal Diseases: Smithburn Rift Valley Fever**

*Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies.* - GMI Summary


**Article Published Date**: Jun 01, 2006

**Authors**: Boulos Botros, Adel Omar, Khairat Elian, Gihan Mohamed, Atef Soliman, Adel Salib, Diaa Salman, Magdi Saad, Kenneth Earhart

**Study Type**: Animal Study


**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Animal Model: CK(39) : AC(16)

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*Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does.* - GMI Summary


**Article Published Date**: Jan 01, 2009

**Authors**: Samia Ahmed Kamal

**Study Type**: Animal Study


**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Animal Model: CK(39) : AC(16)

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**Topic: Inflammatory Myopathy**
**Vaccination may contribute to causing a wide variety of autoimmune disorders.**

- GMI Summary

**Pubmed Data**: Discov Med. 2010 Feb;9(45):90-7. PMID: 20193633

**Article Published Date**: Feb 01, 2010

**Authors**: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autoimmune Diseases: CK(5317) : AC(779), Guillain-Barre Syndrome : CK(84) : AC(14), Human Papillomavirus (HPV) : CK(153) : AC(22), Inflammatory Myopathy : CK(81) : AC(5), Macrophagic myofascitis : CK(15) : AC(3), Multiple Sclerosis : CK(716) : AC(133), Rheumatoid Arthritis : CK(424) : AC(64), Systemic Lupus Erythematosus : CK(387) : AC(54), Vaccine-induced Toxicity : CK(1130) : AC(163), Vasculitis : CK(48) : AC(11)


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**Topic: Smallpox**

**Smallpox vaccine caused iatrogenic vaccinia in children in Russia.**

- GMI Summary

**Pubmed Data**: Zh Mikrobiol Epidemiol Immunobiol. 2001 Mar-Apr(2):40-5. PMID: 11548257

**Article Published Date**: Mar 01, 2001

**Authors**: G G Onishchenko, V I Markov, V N Ustiushin, S V Borisevich, G I Kuznetsova, S Ia Loginova, A M Berezhnoi, N T Vasilev, V A Maksimov, A A Makhlai

**Study Type**: Human Study

**Additional Links**

**Diseases**: Smallpox : CK(23) : AC(4), Vaccine-induced Toxicity : CK(1130) : AC(163), Vaccinia virus : CK(22) : AC(4)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

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**Review: possible adverse effects that are associated with smallpox vaccination.**

- GMI Summary


**Article Published Date**: Feb 21, 2003

**Authors**: Joanne Cono, Christine G Casey, David M Bell,

**Study Type**: Review

**Additional Links**

**Diseases**: Smallpox : CK(23) : AC(4), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Pharmacological Actions**: Antiviral Agents : CK(625) : AC(293)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

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**Topic: Anaphylaxis**

**Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.**

- GMI Summary


**Article Published Date**: Jan 01, 1990

**Authors**: Fu-Zhen Wang, Fu-Qiang Cui, Da-Wei Liu

**Study Type**: Human: Case Report
The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions. - GMI Summary

**Pubmed Data**: JAMA. 1994 May 25;271(20):1602-5. PMID: 8182813
**Article Published Date**: May 25, 1994
**Authors**: K R Stratton, C J Howe, R B Johnston
**Study Type**: Review

### Topic: Breast Augmentation Complications

**Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.** - GMI Summary

**Article Published Date**: Oct 01, 2008
**Authors**: Agmon-Levin Nancy, Yehuda Shoenfeld
**Study Type**: Human Study

### Topic: Cholera

**Killed cholera vaccination generates an inferior immune response in comparison to patients with naturally acquired cholera.** - GMI Summary

**Article Published Date**: May 01, 2011
**Authors**: Mohammad Murshid Alam, M Asrafuzzaman Riyadh, Kaniz Fatema, Mohammad Arif Rahman, Nayeema Akhter, Tanvir Ahmed, Mohiul Islam Chowdhury, Fahima Chowdhury, Stephen B Calderwood, Jason B Harris, Edward T Ryan, Firdausi Qadri
**Study Type**: Human Study
**Topic: Fever**

*Breastfeeding is associated with a decreased incidence of fever after immunizations.* - GMI Summary


**Topic: Hepatitis C**

*Hepatitis C prevalence in Southern Italy may be due to iatrogenic transmission through the Salk Polio vaccine 1956-1965.* - GMI Summary


**Topic: Infant Neurological Development**

*Whole cell pertussis vaccines may have been causing serious neurological disorders.* - GMI Summary


**Topic: Miscarriage**
The use of misoprostol for early pregnancy failure after failed expectant management is less costly than curettage. - GMI Summary

Article Published Date: Apr 01, 2005
Authors: G C M Graziosi, J W van der Steeg, P H W Reuwer, A P Drogrop, H W Bruinse, B W J Mol
Study Type: Human Study
Additional Keywords: Surgical Alternatives: CK(20): AC(2)
Anti Therapeutic Actions: Obstetric Interventions: CK(989): AC(64), Vaccination: Diphtheria-Pertussis-Tetanus: CK(283): AC(31)

Topic: Miscarriage: Medical Intervention

The use of misoprostol for early pregnancy failure after failed expectant management is less costly than curettage. - GMI Summary

Article Published Date: Apr 01, 2005
Authors: G C M Graziosi, J W van der Steeg, P H W Reuwer, A P Drogrop, H W Bruinse, B W J Mol
Study Type: Human Study
Additional Keywords: Surgical Alternatives: CK(20): AC(2)
Anti Therapeutic Actions: Obstetric Interventions: CK(989): AC(64), Vaccination: Diphtheria-Pertussis-Tetanus: CK(283): AC(31)

Influenza vaccination does not appear to be effective during pregnancy in preventing hospitalizations and outpatient visits for respiratory illness in pregnant women and their infants. - GMI Summary

Article Published Date: Aug 01, 2004
Authors: Steven B Black, Henry R Shinefield, Eric K France, Bruce H Fireman, Sharon T Platt, David Shay
Study Type: Human Study
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

Topic: Silicone Implant Toxicity

Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations. - GMI Summary

Article Published Date: Oct 01, 2008
Authors: Agmon-Levin Nacy, Yehuda Shoenfeld
Study Type: Human Study
Additional Keywords: Silicone Implants: CK(10): AC(1)
**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312)

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**Topic: Tuberculosis**

**BCG revaccination may raise mortality in young children.** - GMI Summary

*Pubmed Data*: BMJ. 2010;340:c671. Epub 2010 Mar 15. PMID: 20231251

*Article Published Date*: Jan 01, 2010

*Authors*: Adam Edvin Roth, Christine Stabell Benn, Henrik Ravn, Amabelia Rodrigues, Ida Maria Lisse, Maria Yazdanbakhsh, Hilton Whittle, Peter Aaby

*Study Type*: Human Study

*Additional Links*


*Anti Therapeutic Actions*: Vaccination: BCG (Tuberculosis): CK(33): AC(4)

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**Smallpox vaccine caused iatrogenic vaccinia in children in Russia.** - GMI Summary


*Article Published Date*: Mar 01, 2001


*Study Type*: Human Study

*Additional Links*


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**Topic: Dermatomyositis**

**Hepatitis B vaccine associated with dermatomyositis has been reported.** - GMI Summary


*Article Published Date*: Apr 01, 2008

*Authors*: Arie Altman, Martine Szyper-Kravitz, Yehuda Shoenfeld

*Study Type*: Human: Case Report

*Additional Links*

*Diseases*: Dermatomyositis: CK(44): AC(10), Vaccine-induced Toxicity: CK(1130): AC(163)


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**Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.** - GMI Summary


*Article Published Date*: May 15, 2010

*Authors*: Joerg-Patrick Stübgen

*Study Type*: Review

*Additional Links*

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Topic: Acute Inflammatory Demyelinating Polyradiculoneuropathy**

**A case of lethal inflammatory polyradiculoneuropathy with spinal cord involvement after hepatitis B vaccination.** - GMI Summary

**Pubmed Data**: J Neurol Sci. 2001 May 1;186(1-2):81-5. PMID: 11412876

**Article Published Date**: May 01, 2001

**Authors**: E Sindern, J M Schröder, M Krismann, J P Malin

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Acute Inflammatory Demyelinating Polyradiculoneuropathy : CK(87) : AC(1), Polyradiculoneuropathy: Acute Inflammatory : CK(87) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Topic: Acute Posterior Multifocal Placoid Pigment Epitheliopathy (APMPPE)**

**Acute posterior multifocal placoid pigment epitheliopathy after hepatitis B vaccine has been reported.** - GMI Summary

**Pubmed Data**: Arch Ophthalmol. 1995 Mar;113(3):297-300. PMID: 7887843

**Article Published Date**: Mar 01, 1995

**Authors**: A P Brézin, P Massin-Korobelnik, M Boudin, A Gaudric, P LeHoang

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Acute Posterior Multifocal Placoid Pigment Epitheliopathy (APMPPE) : CK(3) : AC(1), Chorioretinitis : CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Topic: Aphthosis: Buccal**

**Cutaneous lupus erythematous and buccal aphthosis after hepatitis B vaccination has been reported in a 6-year-old child** - GMI Summary


**Article Published Date**: Jan 01, 1996

**Authors**: P Grézard, M Chefai, V Philippot, H Perrot, M Faisant

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Aphthosis: Buccal : CK(3) : AC(1), Lupus Erythematosus: Cutaneous : CK(17) : AC(4)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Topic: Bell's Palsy**

**Bell's palsy is a possible complication of hepatitis B vaccination in children.** - GMI Summary

**Topic: Chorioretinitis**

*Acute posterior multifocal placoid pigment epitheliopathy after hepatitis B vaccine has been reported.* - GMI Summary


**Authors**: A P Brézin, P Massin-Korobelnik, M Boudin, A Gaudric, P LeHoang

**Study Type**: Human: Case Report

**Diseases**: Acute Posterior Multifocal Placoid Pigment Epitheliopathy (APMPPE): CK(3) : AC(1), Chorioretinitis : CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Topic: Diabetes Mellitus: Type 1**

*Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.* - GMI Summary


**Authors**: H Yasuda, M Nagata, H Moriyama, H Kobayashi, T Akisaki, H Ueda, K Hara, K Yokono

**Study Type**: Human: Case Report

**Diseases**: Autoimmune Diseases : CK(5317) : AC(779), Diabetes Mellitus: Type 1 : CK(1173) : AC(218), Thrombocytopenia : CK(800) : AC(25), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

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**Topic: Epilepsy**

*A case of lethal status epilepticus and lymphocytic pneumonitis has been reported.* - GMI Summary


**Authors**: Jozélio Freire de Carvalho, Yehuda Shoenfeld

**Study Type**: Human: Case Report

**Diseases**: Epilepsy : CK(128) : AC(27), Pneumonitis : CK(18) : AC(4)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Topic: Hydranencephaly**

*The vaccination of pregnant sheep resulted in abortions and hydranencephaly.* - GMI Summary
**Topic: Lipoatrophy**

*Delayed focal lipoatrophy after AS03-adjuvanted influenza A (H1N1) 2009 vaccine has been reported.* - GMI Summary

**Pubmed Data**: Vaccine. 2010 Dec 17. Epub 2010 Dec 17. PMID: 21172376
**Article Published Date**: Dec 17, 2010
**Authors**: Emilie Javelle, Benjamin Soulier, Christian Brosset, Solène Lorcy, Fabrice Simon
**Study Type**: Human: Case Report
**Additional Links**
**Diseases**: Lipoatrophy: CK(3) : AC(1), Vaccine-induced Toxicity: CK(1130) : AC(163)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Topic: Lupus Erythematosus: Cutaneous**

*Cutaneous lupus erythematosus and buccal aphthosis after hepatitis B vaccination has been reported in a 6-year-old child* - GMI Summary

**Article Published Date**: Jan 01, 1996
**Authors**: P Grézard, M Chefaï, V Philippot, H Perrot, M Faisant
**Study Type**: Human: Case Report
**Additional Links**
**Diseases**: Aphthosis: Buccal: CK(3) : AC(1), Lupus Erythematosus: Cutaneous : CK(17) : AC(4)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Topic: Miller Fisher Syndrome**

*Influenza vaccination has been reported to cause miller fisher syndrome.* - GMI Summary

**Article Published Date**: Oct 01, 2011
**Authors**: Ashkan Shoamanesh, Kristine Chapman, Anthony Traboulsee
**Study Type**: Human: Case Report
**Additional Links**
**Diseases**: Guillain Barre Syndrome: Miller Fisher Variant : CK(13) : AC(2), Miller Fisher Syndrome : CK(3) : AC(1)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Topic: Pneumonitis**
A case of lethal status epilepticus and lymphocytic pneumonitis has been reported. - GMI Summary

Article Published Date: Jul 01, 2008
Authors: Jozélio Freire de Carvalho, Yehuda Shoenfeld
Study Type: Human: Case Report
Diseases: Epilepsy: CK(128) : AC(27), Pneumonitis: CK(18) : AC(4)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

Topic: Polyradiculoneuropathy: Acute Inflammatory

A case of lethal inflammatory polyradiculoneuropathy with spinal cord involvement after hepatitis B vaccination. - GMI Summary

Pubmed Data: J Neurol Sci. 2001 May 1;186(1-2):81-5. PMID: 11412876
Article Published Date: May 01, 2001
Authors: E Sindern, J M Schröder, M Krismann, J P Malin
Study Type: Human: Case Report
Diseases: Acute Inflammatory Demyelinating Polyradiculoneuropathy: CK(87) : AC(1), Polyradiculoneuropathy: Acute Inflammatory: CK(87) : AC(1)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

Topic: Rhabdomyolysis

Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs. - GMI Summary

Article Published Date: May 01, 2000
Authors: E Plotkin, J Bernheim, S Ben-Chetrit, A Mor, Z Korzets
Study Type: Human: Case Report
Diseases: Rhabdomyolysis: CK(165) : AC(38), Statin-Induced Pathologies: CK(1570) : AC(315)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)
Problem Substances: Statin Drugs: CK(3969) : AC(465)
Adverse Pharmacological Actions: Myotoxicity: CK(317) : AC(79)

Topic: Rift Valley Fever

Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does. - GMI Summary

Article Published Date: Jan 01, 2009
Authors: Samia Ahmed Kamal
Study Type: Animal Study
**Topic: Statin-Induced Pathologies**

*Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.* - GMI Summary


Article Published Date: May 01, 2000

Authors: E Plotkin, J Bernheim, S Ben-Chetrit, A Mor, Z Korzets

Study Type: Human: Case Report

Diseases: Rhabdomyolysis: CK(165): AC(38), Statin-Induced Pathologies: CK(1570): AC(315)


Problem Substances: Statin Drugs: CK(3969): AC(465)

Adverse Pharmacological Actions: Myotoxicity: CK(317): AC(79)

**Topic: Simian virus 40 (SV40)**

*Some oral poliovirus vaccines were contaminated with infectious SV40 after 1961.* - GMI Summary


Article Published Date: Nov 15, 2005

Authors: Rochelle Cutrone, John Lednicky, Glynis Dunn, Paola Rizzo, Maurizio Bocchetta, Konstantin Chumakov, Philip Minor, Michele Carbone

Study Type: Human In Vitro

Diseases: Simian virus 40 (SV40): CK(7): AC(5)

Additional Keywords: Vaccine Contamination: CK(5): AC(1)

Anti Therapeutic Actions: Vaccination: Polio: CK(94): AC(15)

Problem Substances: Simian virus 40 (SV40): CK(84): AC(16)

**Topic: Acute Flaccid Paralysis**

*Differential diagnosis of acute flaccid paralysis and its role in poliomyelitis surveillance.* - GMI Summary

Pubmed Data: Epidemiol Rev. 2000 ;22(2):298-316. PMID: 11218380

Article Published Date: Jan 01, 2000

Authors: A Marx, J D Glass, R W Sutter

Study Type: Review

Diseases: Acute Flaccid Paralysis: CK(3): AC(1)


**Over 40,000 cases of AFP are reported annually since 2007 regardless of the number of actual polio cases.** - GMI Summary


Article Published Date: Jan 01, 2012

Authors: Rie R Yotsu, Katharine Abba, Helen Smith, Abhijit Das

Study Type: Review


**Topic: Amygdala: Damage/Abnormalities**

**Maturational changes in amygdala volume and the binding capacity of an opioid antagonist in the amygdala was significantly altered in infant macaques receiving the vaccine schedule.** - GMI Summary

**Pubmed Data**: Acta Neurobiol Exp (Wars). 2010 ;70(2):147-64. PMID: 20628439
**Article Published Date**: Dec 31, 2009
**Authors**: Laura Hewitson, Brian J Lopresti, Carol Stott, N Scott Mason, Jaime Tomko
**Study Type**: Animal Study
**Diseases**: Amygdala: Damage/Abnormalities : CK(10) : AC(1), Neurodevelopmental Disorders : CK(163) : AC(13), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Animal Model : CK(39) : AC(16)
**Problem Substances**: Thimerosal : CK(216) : AC(23)

**Topic: Animal Diseases: Scrapie**

**Vaccine-induced scrapie has been reported in animals.** - GMI Summary

**Pubmed Data**: J Gen Virol. 2003 Apr;84(Pt 4):1047-52. PMID: 12655108
**Article Published Date**: Apr 01, 2003
**Authors**: Gianluigi Zanusso, Cristina Casalone, Pierluigi Acutis, Elena Bozzetta, Alessia Farinazzo, Matteo Gelati, Michele Fiorini, Gianluigi Forloni, Man Sun Sy, Salvatore Monaco, Maria Caramelli
**Study Type**: Animal Study
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Animal Model : CK(39) : AC(16)

**Topic: Animal Diseases: Simian Immunodeficiency Virus (SIV)**

**Vaccine-induced, simian immunodeficiency virus-specific CD8+ T cells reduce virus replication but do not protect from simian immunodeficiency virus disease progression.** - GMI Summary

**Pubmed Data**: J Immunol. 2009 Jul 1;183(1):706-17. PMID: 19542473
**Article Published Date**: Jul 01, 2009
**Authors**: Jessica C Engram, Richard M Dunham, George Makedonas, Thomas H Vanderford, Beth Sumpter, Nichole R Klatt, Sarah J Ratcliffe, Seema Garg, Mirko Piaiardini, Monica McQuoid, John D Altman, Silvija I Staprans, Michael R Betts, David A Garber, Mark B Feinberg, Guido Silvestri
**Study Type**: Animal Study
**Diseases**: Animal Diseases: Simian Immunodeficiency Virus (SIV) : CK(2) : AC(1)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Animal Model : CK(39) : AC(16)

**Topic: Infertility**

**There is evidence that a DNA vaccine exhibits anti-fertility properties.** - GMI Summary

**Article Published Date**: Jul 12, 2011
**Topic: Liver Damage**

**Hepatitis B vaccine induces cell death in liver cells and mouse liver.** - GMI

**Summary**

**Pubmed Data**: Apoptosis. 2012 Jan 17. Epub 2012 Jan 17. PMID: 22249285

**Article Published Date**: Jan 17, 2012

**Authors**: Heyam Hamza, Jianhua Cao, Xinyun Li, Changchun Li, Mengjin Zhu, Shuhong Zhao

**Study Type**: Animal Study

**Diseases**: Liver Damage: CK(597) : AC(213), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Problem Substances**: Aluminum Hydroxide : CK(56) : AC(14), Vaccine Adjuvants : CK(383) : AC(77)

**Adverse Pharmacological Actions**: Hepatotoxic : CK(283) : AC(80)

**Topic: Neuritis: Brachial Plexus**

**The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.** - GMI Summary

**Pubmed Data**: JAMA. 1994 May 25;271(20):1602-5. PMID: 8182813

**Article Published Date**: May 25, 1994

**Authors**: K R Stratton, C J Howe, R B Johnston

**Study Type**: Review


**Topic: Neurodevelopmental Disorders**

**Maturational changes in amygdala volume and the binding capacity of an opioid antagonist in the amygdala was significantly altered in infant macaques receiving the vaccine schedule.** - GMI Summary

**Pubmed Data**: Acta Neurobiol Exp (Wars). 2010 ;70(2):147-64. PMID: 20628439

**Article Published Date**: Dec 31, 2009

**Authors**: Laura Hewitson, Brian J Lopresti, Carol Stott, N Scott Mason, Jaime Tomko

**Study Type**: Animal Study

**Diseases**: Amygdala: Damage/Abnormalities : CK(10) : AC(1), Neurodevelopmental Disorders : CK(163) : AC(13), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Animal Model : CK(39) : AC(16)

**Problem Substances**: Thimerosal : CK(216) : AC(23)
**Topic: Incontinentia Pigmenti**

*Vaccination as a probable cause of incontinentia pigmenti reactivation has been reported.* - GMI Summary


**Article Published Date** : Jan 01, 2010

**Authors** : Ali Alikhan, Andrew D Lee, Donald Swing, Christie Carroll, Gil Yosipovitch

**Study Type** : Human: Case Report

**Diseases** : Incontinentia Pigmenti : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions** : Vaccination: All : CK(3934) : AC(312)

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**Topic: Leukemia Cutis**

*A case of Leukemia Cutis arising at the site of injection of a Tetanus Booster has been reported.* - GMI Summary


**Article Published Date** : Oct 01, 2010

**Authors** : R M Guinovart, J M Carrascosa, C Ferrándiz

**Study Type** : Human: Case Report

**Diseases** : Leukemia Cutis : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions** : Vaccination: Tetanus : CK(48) : AC(8)

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**Topic: Morphea profunda**

*Deep morphea after vaccination in two young children has been reported.* - GMI Summary


**Article Published Date** : Sep 01, 2006

**Authors** : Antonio Torrelo, José Suárez, Isabel Colmenero, Daniel Azorín, Antonio Perera, Antonio Zambrano

**Study Type** : Human: Case Report

**Diseases** : Morphea profunda : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions** : Vaccination: All : CK(3934) : AC(312)

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**Topic: Pseudolymphoma**

*The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines.* - GMI Summary


**Article Published Date** : Mar 14, 2012

**Authors** : Olivier Guillard, Bernard Fauconneau, Alain Pineau, Annie Marrauld, Jean-Pierre Bellocq, Marie-Pierre Chenard

**Study Type** : Human: Case Report, Review

**Diseases** : Chronic Fatigue Syndrome : CK(397) : AC(28), Macrophagic myofasciitis : CK(15) : AC(3), Pseudolymphoma : CK(3) : AC(1)

**Anti Therapeutic Actions** : Vaccination: All : CK(3934) : AC(312)
**Topic: Psychiatric Disorders**

*The psychic reactions following injections of bacterial vaccines.* - GMI Summary

Pubmed Data: Int Arch Allergy Appl Immunol. 1950 ;1(3):226-43. PMID: 14794265
Authors: J ILAVSKY
Study Type: Human: Case Report
Additional Links
Additional Keywords: Vaccine-induced Toxicity: CK(1130): AC(163)
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

**Topic: Retroviruses**

*The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer.* - GMI Summary

Article Published Date: May 01, 2010
Authors: Takayuki Miyazawa
Study Type: Animal Study
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

**Topic: Shoulder Injuries**

*Case report: a shoulder injury related to vaccine administration.* - GMI Summary

Article Published Date: Oct 31, 2012
Authors: Matthew G Barnes, Christopher Ledford, Karen Hogan
Study Type: Human: Case Report
Additional Links
Anti Therapeutic Actions: Vaccination: Influenza: CK(356): AC(37)

**Topic: Aluminum Toxicity**
"Mechanisms of aluminum adjuvant toxicity and autoimmunity in pediatric populations." - GMI Summary

Authors: L Tomljenovic, Ca Shaw
Study Type: Review
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis. - GMI Summary

Authors: Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier
Study Type: Commentary
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

Topic: Epstein-Barr Virus Infections

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin. - GMI Summary

Authors: Burton A Waisbren
Study Type: Commentary
Additional Links

Topic: Myasthenia Gravis

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility. - GMI Summary

Authors: Joerg-Patrick Stübgen
Study Type: Review
Additional Links
**Topic: Neuromuscular Diseases**

**Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.** - GMI Summary


*Authors: Joerg-Patrick Stübgen*

*Additional Links*

**Anti Therapeutic Actions**
- Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

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**Topic: Oxidative Stress**

**Coriandrum sativum has antioxidant activity.** - GMI Summary


*Authors: V Chithra, S Leelamma*

*Study Type: Animal Study*

*Additional Links*
- Substances: Coriandrum sativum: CK(53) : AC(27)
- Diseases: Oxidative Stress: CK(1975) : AC(710)
- Pharmacological Actions: Antioxidants: CK(3723) : AC(1318)

**Anti Therapeutic Actions**
- Vaccination: Tetanus: CK(48) : AC(8)

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**Topic: Peripheral Neuropathies**

**Influenza vaccines may induce hepatitis-B virus-related vasculitis and severe neuropathy.** - GMI Summary
**Topic: Polyarteritis Nodosa**

**Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.** - GMI Summary

**Article Published Date**: May 15, 2010
**Authors**: Joerg-Patrick Stübgen
**Study Type**: Review
**Additional Links**
- Autoimmune Diseases: CK(5317) : AC(779)
- Dermatomyositis: CK(44) : AC(10)
- Myasthenia Gravis: CK(82) : AC(14)
- Neuromuscular Diseases: CK(16) : AC(4)
- Neuropathies: CK(426) : AC(71)
- Polyarteritis Nodosa: CK(1) : AC(1)
**Anti Therapeutic Actions**
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Hepatitis B: CK(347) : AC(48)

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**Topic: Prostate Cancer**

**The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer.** - GMI Summary

**Article Published Date**: May 01, 2010
**Authors**: Takayuki Miyazawa
**Study Type**: Animal Study
**Additional Links**
- Chronic Fatigue Syndrome: CK(397) : AC(28)
- Prostate Cancer: CK(998) : AC(288)
- Retroviruses: CK(7) : AC(1)
- Vaccine-induced Toxicity: CK(1130) : AC(163)
**Anti Therapeutic Actions**
- Vaccination: All: CK(3934) : AC(312)

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**Topic: Sarcoma**

**Feline injection site-associated sarcoma is a serious problem associated with malignancy.** - GMI Summary

**Article Published Date**: Oct 05, 2006
**Authors**: Jolle Kirpensteijn
**Study Type**: Review
**Additional Links**
- Sarcoma: CK(36) : AC(21)
- Tumors: CK(199) : AC(110)
- Vaccine-induced Toxicity: CK(1130) : AC(163)
**Anti Therapeutic Actions**
- Vaccination: All: CK(3934) : AC(312)

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**Topic: Tumors**
**Feline injection site-associated sarcoma is a serious problem associated with malignancy.** - GMI Summary


**Article Published Date**: Oct 05, 2006

**Authors**: Jolle Kirpensteijn

**Study Type**: Review

**Diseases**:
- Sarcoma: CK(36) : AC(21)
- Tumors: CK(199) : AC(110)
- Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**:
- Vaccination: All : CK(3934) : AC(312)
- Vaccination: Animal Model : CK(39) : AC(16)

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**Topic: Urinary Tract Infections**

**DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome.** - GMI Summary


**Article Published Date**: Jul 01, 2010

**Authors**: Joseph Prandota

**Study Type**: Commentary

**Diseases**:
- Sudden Infant Death Syndrome (SIDS): CK(138) : AC(18)
- Urinary Tract Infections: CK(338) : AC(47)
- Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**:
- Vaccination: All : CK(3934) : AC(312)
- Vaccination: Diphtheria-Pertussis-Tetanus: CK(283) : AC(31)

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**Topic: Attention Deficit Disorder**

**Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.** - GMI Summary


**Article Published Date**: Apr 01, 2009

**Authors**: Donald A Drum

**Study Type**: Commentary

**Diseases**:
- Attention Deficit Disorder: CK(134) : AC(12)
- Attention Deficit Disorder with Hyperactivity: CK(240) : AC(30)
- Autism: CK(1262) : AC(65)
- Autism Spectrum Disorders: CK(1160) : AC(112)
- Child Mortality: CK(64) : AC(8)
- Infant Mortality: CK(229) : AC(23)
- Mental Retardation: CK(71) : AC(7)
- Vaccine-induced Toxicity: CK(1130) : AC(163)

**Additional Keywords**: Thimerosal: CK(3) : AC(2)

**Anti Therapeutic Actions**:
- Vaccination: All : CK(3934) : AC(312)

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**Topic: Attention Deficit Disorder with Hyperactivity**

**Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.** - GMI Summary


**Article Published Date**: Apr 01, 2009

**Authors**: Donald A Drum

**Study Type**: Commentary

**Diseases**:
- Attention Deficit Disorder: CK(134) : AC(12)
- Attention Deficit Disorder with Hyperactivity: CK(240) : AC(30)
- Autism: CK(1262) : AC(65)
- Autism Spectrum Disorders: CK(1160) : AC(112)
- Child Mortality: CK(64) : AC(8)
- Infant Mortality: CK(229) : AC(23)
- Mental Retardation: CK(71) : AC(7)
- Vaccine-induced Toxicity: CK(1130) : AC(163)
**Topic: Brain Inflammation**

"Adverse events associated with 17D-derived yellow fever vaccination--United States, 2001-2002." - GMI Summary


Article Published Date: Nov 08, 2002

Study Type: Review

**Additional Links**

Diseases: Brain Inflammation: CK(79): AC(35), Vaccine-induced Toxicity: CK(1130): AC(163)


**Topic: Encephalomyelitis**

Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination. - GMI Summary


Article Published Date: Dec 01, 2008

Authors: William Huynh, Dennis J Cordato, Elias Kehdi, Lynette T Masters, Chris Dedousis

Study Type: Commentary

**Additional Links**


Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

**Topic: Encephalopathies**

The use of post-mortem tissues in the production of biologicals, vaccines and feedstuffs may be contributing to transmissible encephalopathies. - GMI Summary


Article Published Date: Jan 01, 1996

Authors: M M Robinson

Study Type: Review

**Additional Links**

Diseases: Encephalopathies: CK(11): AC(5)

Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

**Topic: Excitotoxicity**

Autism spectrum disorders are associated with vaccination, heavy metal toxicity and excitotoxicity. - GMI Summary


Article Published Date: Nov 01, 2008

Authors: Russell L Blaylock

Study Type: Commentary
**Topic: Immune Disorders: B-Cell Over-Activity**

*Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity.* - GMI Summary

**Pubmed Data**: Hum Vaccin. 2011 Aug 1;7(8). Epub 2011 Aug 1. PMID: 21785282

**Article Published Date**: Aug 01, 2011

**Authors**: Salvatore Chirumbolo

**Study Type**: Review

**Additional Links**

- **Diseases**: Autoimmune Diseases: CK(5317) : AC(779), Hypersensitivity: CK(64) : AC(15), Immune Disorders: B-Cell Over-Activity: CK(2) : AC(2), Immune Dysregulation: TH1/TH2 imbalance: CK(146) : AC(36), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312)

**Problem Substances**: Adjuvant : CK(18) : AC(6)
### Mycoplasma Infections

**Mycoplasma testing of cell substrates and biologics is often not performed due to the long turn around.**


**Authors:** Dmitriy V Volokhov, Laurie J Graham, Kurt A Brorson, Vladimir E Chizhikov

**Study Type:** Review

**Diseases:** Mycoplasma Infections: CK(2) : AC(2)

**Additional Keywords:** Mycoplasma Infections: CK(2) : AC(2), Vaccine Safety: CK(21) : AC(2)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312)

### Myopathy: Inflammatory

**Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.**


**Authors:** Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier

**Study Type:** Commentary

**Diseases:** Aluminum Toxicity: CK(107) : AC(36), Chronic Fatigue Syndrome: CK(397) : AC(28), Myopathy: Inflammatory: CK(1) : AC(1), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312)

### Neuromyelitis Optica

**Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination.**


**Authors:** William Huynh, Dennis J Cordato, Elias Kehdi, Lynette T Masters, Chris Dedousis

**Study Type:** Commentary

**Diseases:** Demyelinating Diseases: CK(1278) : AC(250), Encephalomyelitis: CK(12) : AC(7), Neuromyelitis Optica: CK(4) : AC(2), Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312)

### Polio: Vaccine-Related
Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent recombination events and mutations. - GMI Summary

Pubmed Data: J Infect Dis. 2012 May 1;205(9):1363-73. Epub 2012 Mar 29. PMID: 22457288
Article Published Date: May 01, 2012
Authors: Marie-Line Joffret, Sophie Jégouic, Maël Bessaud, Jean Balanant, Coralie Tran, Valerie Caro, Barbara Holmblat, Richter Razafindratsimandresy, Jean-Marc Reynes, Mala Rakoto-Andrianariveloo, Francis Delpeyroux
Study Type: Review
Additional Links: Diseases: Polio: CK(19) : AC(8), Polio: Vaccine-Related : CK(1) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: Polio : CK(94) : AC(15)

Topic: Spongiform Encephalopathies: Transmissible

Transmissible spongiform encephalopathies may be passed iatrogenically through vaccines. - GMI Summary

Pubmed Data: Dev Biol (Basel). 2001;106:455-9; discussion 460-1, 465-75. PMID: 11761262
Article Published Date: Jan 01, 2001
Authors: N R Cashman
Study Type: Commentary
Additional Links: Diseases: Spongiform Encephalopathies: Transmissible : CK(2) : AC(2), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Topic: Yellow Fever

From 1990 to the present, the number of cases (n = 31) and deaths (n = 12) from the yellow fever vaccine in travelers has exceeded the reports of YF (n = 6) acquired by natural infection. - GMI Summary

Article Published Date: Apr 01, 2012
Authors: Thomas P Monath
Study Type: Review
Additional Links: Diseases: Vaccine-induced Toxicity : CK(1130) : AC(163), Yellow Fever : CK(1) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Yellow Fever : CK(13) : AC(2)

Category: Adverse Pharmacological Actions

Topic: Tumor necrosis factorα (TNFα) up-regulation

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth. - GMI Summary

Article Published Date: Sep 20, 2011
Authors: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser
Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination. - GMI Summary


**Article Published Date**: Mar 15, 2012

**Authors**: Natasa Toplak, Vesna Subelj, Tanja Kveder, Sasa Cucnik, Katarina Prosen, Alenka Trampus-Bakija, Ljupco Todorovski, Tadej Avčin

**Study Type**: Human Study

**Additional Links**

**Diseases**: Arthritis: Juvenile Idiopathic : CK(20) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Adverse Pharmacological Actions**: Tumor necrosis factora (TNFα) up-regulation : CK(42) : AC(4)

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**Topic**: **Immunosuppressive**

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Annual influenza vaccination hampers the development of virus-specific CD8(+) T cell responses necessary to protect against influenza infection. - GMI Summary


**Article Published Date**: Nov 01, 2011

**Authors**: Rogier Bodewes, Pieter L A Fraaij, Martina M Geelhoed-Mieras, Carel A van Baalen, Harm A W M Tiddens, Annemarie M C van Rossum, Fiona R van der Klis, Ron A M Fouchier, Albert D M E Osterhaus, Guus F Rimmelzwaan

**Study Type**: Human Study

**Additional Links**

**Diseases**: Cystic Fibrosis : CK(703) : AC(77), Influenza : CK(654) : AC(102)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Adverse Pharmacological Actions**: Immunosuppressive : CK(155) : AC(23)

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**Topic**: **Interleukin-6 up-regulation**

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Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth. - GMI Summary

**Pubmed Data**: Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: 21945263

**Article Published Date**: Sep 20, 2011

**Authors**: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Adverse Pharmacological Actions**: Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factora (TNFα) up-regulation : CK(42) : AC(4)
**Topic: Teratogenic**

*Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.* - GMI Summary


Article Published Date: Aug 15, 2008

Authors: Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson

Study Type: Human Study

Additional Links:

- Diseases: Anthrax : CK(43) : AC(6), Birth Defects : CK(196) : AC(37), Vaccine-induced Toxicity : CK(1130) : AC(163)


- Adverse Pharmacological Actions: Teratogenic : CK(304) : AC(59)

**Topic: Immunotoxic**

*Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.* - GMI Summary


Article Published Date: Nov 01, 2011

Authors: Lucija Tomljenovic, Christopher A Shaw

Study Type: Human Study

Additional Links:

- Diseases: Autism : CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112)

- Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

- Problem Substances: Aluminum Hydroxide : CK(56) : AC(14)

- Adverse Pharmacological Actions: Immunotoxic : CK(230) : AC(38), Neurotoxic : CK(1076) : AC(179)

**Autoimmunity following hepatitis B vaccine has been reported.** - GMI Summary

Pubmed Data: Lupus. 2012 Feb ;21(2):146-52. PMID: 22235045

Article Published Date: Jan 31, 2012

Authors: Y Zafrir, N Agmon-Levin, Z Paz, T Shilton, Y Shoenfeld

Study Type: Human: Case Report

Additional Links:

- Diseases: Autoimmune Diseases : CK(5317) : AC(779), Vaccine-induced Toxicity : CK(1130) : AC(163)

- Anti Therapeutic Actions: Vaccination: Hepatitis B : CK(347) : AC(48)

- Adverse Pharmacological Actions: Immunotoxic : CK(230) : AC(38)

**The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines.** - GMI Summary


Article Published Date: Mar 14, 2012

Authors: Olivier Guillard, Bernard Fauconneau, Alain Pineau, Annie Marrauld, Jean-Pierre Bellocq, Marie-Pierre Chenard

Study Type: Human: Case Report, Review

Additional Links:

- Diseases: Chronic Fatigue Syndrome : CK(397) : AC(28), Macrophagic myofasciitis : CK(15) : AC(3), Pseudolymphoma : CK(3) : AC(1)

- Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

- Problem Substances: Aluminum Hydroxide : CK(56) : AC(14), Vaccine Adjuvants : CK(383) : AC(77)

- Adverse Pharmacological Actions: Immunotoxic : CK(230) : AC(38)
**Topic: Neurotoxic**

*Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.* - GMI Summary


**Article Published Date**: Nov 01, 2011

**Authors**: Lucija Tomljenovic, Christopher A Shaw

**Study Type**: Human Study

**Additional Links**
- Anti Therapeutic Actions: Vaccination: All: [CK(3934)](https://doi.org/10.1016/j.jinorgbio.2011.07.013) : [AC(312)]

**Topic: Myotoxicity**

*Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.* - GMI Summary

**Pubmed Data**: Nephrol Dial Transplant. 2000 May;15(5):740-1. PMID: [10809833](https://doi.org/10.1093/ndt/15.5.740)

**Article Published Date**: May 01, 2000

**Authors**: E Plotkin, J Bernheim, S Ben-Chetrit, A Mor, Z Korzets

**Study Type**: Human: Case Report

**Additional Links**
- Diseases: *Rhabdomyolysis*: [CK(165)](https://doi.org/10.1093/ndt/15.5.740) : [AC(38)], *Statin-Induced Pathologies*: [CK(1570)](https://doi.org/10.1093/ndt/15.5.740) : [AC(315)]
- Anti Therapeutic Actions: Vaccination: All: [CK(3934)](https://doi.org/10.1093/ndt/15.5.740) : [AC(312)], Vaccination: Influenza: [CK(356)](https://doi.org/10.1093/ndt/15.5.740) : [AC(37)]
- Problem Substances: *Statin Drugs*: [CK(3969)](https://doi.org/10.1093/ndt/15.5.740) : [AC(465)]
- Adverse Pharmacological Actions: Myotoxicity: [CK(317)](https://doi.org/10.1093/ndt/15.5.740) : [AC(79)]

**Topic: Hepatotoxic**

*Hepatitis B vaccine induces cell death in liver cells and mouse liver.* - GMI Summary

**Pubmed Data**: Apoptosis. 2012 Jan 17. Epub 2012 Jan 17. PMID: [22249285](https://doi.org/10.1089/apo.2012.0046)

**Article Published Date**: Jan 17, 2012

**Authors**: Heyam Hamza, Jianhua Cao, Xinyun Li, Changchun Li, Mengjin Zhu, Shuhong Zhao

**Study Type**: Animal Study

**Additional Links**
- Anti Therapeutic Actions: Vaccination: All: [CK(3934)](https://doi.org/10.1089/apo.2012.0046) : [AC(312)], Vaccination: Hepatitis B: [CK(347)](https://doi.org/10.1089/apo.2012.0046) : [AC(48)]
- Adverse Pharmacological Actions: Hepatotoxic: [CK(283)](https://doi.org/10.1089/apo.2012.0046) : [AC(80)]

**Category: Anti-Therapeutic Actions**

**Topic: Vaccination: All**

"*The design and reporting of safety outcomes in MMR vaccine studies, both pre- and post-marketing, are largely inadequate.*" - GMI Summary
38,787 adverse events including infant death (highest in 1-3 month olds) after vaccination were reported between 1991-1994. (The authors speciously claim SIDS and not vaccination caused these deaths). - GMI Summary

Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years. - GMI Summary

DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents. - GMI Summary

Inactivated flu vaccines have not been proven to be effective or safe in preventing influenza in healthy children under two. - GMI Summary
Male newborns vaccinated with hepatitis B prior to 1999 had a 3-fold higher risk for parentally reported autism. - GMI Summary

Article Published Date: Jan 01, 2010
Authors: Carolyn M Gallagher, Melody S Goodman
Study Type: Meta Analysis
Additional Links
Diseases: Autism: CK(1262) : AC(65)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Maternal influenza vaccination during pregnancy does not reduce the incidence of acute respiratory illness visits among infants. - GMI Summary

Pubmed Data: Cancer Sci. 2004 Jul;95(7):596-601. PMID: 17146026
Article Published Date: Jul 01, 2004
Study Type: Meta Analysis
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem. - GMI Summary

Article Published Date: Aug 01, 2009
Authors: José G Dórea, Rejane C Marques, Katiane G Brandão
Study Type: Meta Analysis
Additional Links
Diseases: Hepatitis B : CK(226) : AC(39), Infant Chemical Exposures : CK(162) : AC(22), Mercury Poisoning : CK(162) : AC(44), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Over 1,000 confirmed cases of vaccine-induced thrombocytopenia were reported between 1990-2008. - GMI Summary

Pubmed Data: Vaccine. 2010 Nov 29. Epub 2010 Nov 29. PMID: 21126606
Article Published Date: Nov 29, 2010
Authors: Emily Jane Woo, Robert P Wise, David Menschik, Sean V Shadomy, John Iskander, Judy Beeler, Frederick Varricchio, Robert Ball
Study Type: Meta Analysis
Additional Links
Diseases: Thrombocytopenia : CK(800) : AC(25), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Over 600 cases of sudden infant death syndrome following vaccination were reported from 1990-1997. - GMI Summary

Article Published Date: Jun 01, 2001
Authors: L E Silvers, S S Ellenberg, R P Wise, F E Varricchio, G T Mootrey, M E Salive
Study Type: Meta Analysis
Additional Links
The risk of adverse events from the pertussis outweighed the risk of pertussis infection during the period of 1970-83 in children living in non-deprived circumstances in Britain. - GMI Summary

**Pubmed Data**: Dev Biol Stand. 1985;61:395-405. PMID: 3835080

**Article Published Date**: Jan 01, 1985

**Authors**: G T Stewart

**Study Type**: Meta Analysis

**Diseases**:
- Vaccine-induced Toxicity: CK(1130) : AC(163)
- Whooping Cough: CK(66) : AC(7)

**Anti Therapeutic Actions**:
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Pertussis: CK(116) : AC(14)

There are no randomized controlled trials that assessed the effects of hepatitis B vaccine during pregnancy for preventing infant infection. - GMI Summary


**Article Published Date**: Jan 01, 2011

**Authors**: Ussanee S Sangkomkamhang, Pisake Lumbiganon, Malinee Laopaiboon

**Study Type**: Meta Analysis

**Diseases**:
- Vaccination: Hepatitis B: CK(347) : AC(48)

**Anti Therapeutic Actions**:
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Hepatitis B: CK(347) : AC(48)

There is a highly statistically significant correlation between increasing number of vaccine doses and increasing infant mortality rates. - GMI Summary

**Pubmed Data**: Hum Exp Toxicol. 2011 May 4. Epub 2011 May 4. PMID: 21543527

**Article Published Date**: May 04, 2011

**Authors**: Neil Z Miller, Gary S Goldman

**Study Type**: Meta Analysis

**Diseases**:
- Infant Mortality: CK(229) : AC(23)
- Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**:
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Pertussis: CK(116) : AC(14)

There is a lack of evidence for the effectiveness of influenza vaccines in adults aged 65 years or older. - GMI Summary


**Article Published Date**: Oct 25, 2011

**Authors**: Michael T Osterholm, Nicholas S Kelley, Alfred Sommer, Edward A Belongia

**Study Type**: Meta Analysis

**Diseases**:
- Elderly: Age Specific Diseases: CK(442) : AC(37)
- Influenza: CK(654) : AC(102)

**Anti Therapeutic Actions**:
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Influenza: CK(356) : AC(37)

Thimerosol-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders. - GMI Summary


**Article Published Date**: Mar 01, 2004

**Authors**: David A Geier, Mark R Geier

**Study Type**: Meta Analysis

**Additional Links**
Vaccination in infants less than 3 months is associated with an increased risk of sudden infant death syndrome. - GMI Summary

Article Published Date : Jan 01, 1995
Authors : A P Jonville-Bera, E Autret, J Laugier
Study Type : Meta Analysis
Additional Links
Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)

Vaccination is associated with an increased risk for hemolytic anemia. - GMI Summary

Article Published Date : Dec 09, 2009
Authors : Allison L Naleway, Edward A Belongia, James G Donahue, Burney A Kieke, Jason M Glanz
Study Type : Meta Analysis
Additional Links
Diseases : Hemolytic Anemia : CK(75) : AC(5), Vaccine-induced Toxicity : CK(1130) : AC(163)

We concluded that there is no credible evidence that vaccination of healthy people under the age of 60, who are healthcare workers caring for the elderly, affects influenza complications in those cared for. - GMI Summary

Article Published Date : Jan 01, 2006
Authors : R E Thomas, T Jefferson, V Demicheli, D Rivetti
Study Type : Meta Analysis
Additional Links
Diseases : Influenza : CK(654) : AC(102)
Additional Keywords : Influenza : CK(654) : AC(102)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

When polled 5% of nonpediatricians would not use Haemophilus influenzae type b vaccine if they had a child born in 2004. - GMI Summary

Article Published Date : Nov 01, 2005
Authors : Klara M Posfay-Barbe, Ulrich Heininger, Christoph Aebi, Daniel Desgrandchamps, Bernard Vaudaux, Claire-Anne Siegrist
Study Type : Meta Analysis
Additional Links
Diseases : Hepatitis B : CK(226) : AC(39)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

"A history of prior vaccination is not always associated with immunity nor with the presence of specific antibodies." - GMI Summary

20.7% (6 of 29) of persons known to have received measles vaccine had non-protective titers. - GMI Summary


A 1993 outbreak of measles in a highly immunised Australian population. - GMI Summary


A Haemophilus b polysaccharide vaccine resulted in minus 58 percent efficacy in children in Minnesota in August 1985. - GMI Summary

Pubmed Data: JAMA. 1988 Sep 9;260(10):1423-8. PMID: 3261350

A major measles epidemic occurred in 1989 in the region of Quebec despite a 99% vaccine coverage. - GMI Summary

**A measles outbreak at a college with a prematriculation immunization requirement.** - GMI Summary


**Article Published Date**: Feb 28, 1991

**Authors**: B S Hersh, L E Markowitz, R E Hoffman, D R Hoff, M J Doran, J C Fleishman, S R Preblud, W A Orenstein

**Study Type**: Human Study

**Diseases**: Measles : CK(193) : AC(8)

**Additional Keywords**: Vaccine Failure : CK(123) : AC(13)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

**A measles outbreak in Montana in 1985 indicates vaccine failure.** - GMI Summary

**Pubmed Data**: Am J Epidemiol. 1987 Sep;126(3):438-49. PMID: 3618578

**Article Published Date**: Aug 31, 1987

**Authors**: R M Davis, E D Whitman, W A Orenstein, S R Preblud, L E Markowitz, A R Hinman

**Study Type**: Human Study

**Diseases**: Measles : CK(193) : AC(8)

**Additional Keywords**: Vaccine Failure : CK(123) : AC(13)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

**A modified self-controlled case series method links multidose vaccinations to sudden unexpected death.** - GMI Summary


**Article Published Date**: Mar 15, 2011

**Authors**: Ronny Kuhnert, Hartmut Hecker, Christina Poethko-Müller, Martin Schlau, Mechtild Vennemann, Heather J Whitaker, C Paddy Farrington

**Study Type**: Human Study

**Diseases**: Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312)

**Acute hepatitis B can occur in those who are vaccinated against it and who are exposed through unprotected sexual contact and iatrogenically.** - GMI Summary

**Pubmed Data**: Postgrad Med J. 2006 Mar;82(965):207-10. PMID: 16517803

**Article Published Date**: Mar 01, 2006

**Authors**: G Rosner, Y Lurie, L Blendis, Z Halpern, R Oren

**Study Type**: Human Study

**Diseases**: Hepatitis B : CK(226) : AC(39), Iatrogenic Disease : CK(62) : AC(7)

**Additional Keywords**: Iatrogenic Disease : CK(226) : AC(26)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Acute necrotizing encephalopathy secondary to diphtheria, tetanus toxoid and whole-cell pertussis vaccination has been reported.** - GMI Summary


**Article Published Date**: Jul 01, 2010

**Authors**: Hale Aydin, Esra Ozgul, Ahmet Muhtesem Agildere

**Study Type**: Human Study
Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease. - GMI Summary

Authors: Thomas Verstraeten, Aisha O Jumaan, John P Mullooly, Jane F Seward, Hector S Izurieta, Frank DeStefano, Steven B Black, Robert T Chen

Aluminum hydroxide-induced macrophagic myofasciitis (MMF) associated with vaccination has been reported. - GMI Summary

Authors: Elodie Passeri, Chiara Villa, Maryline Couette, Emmanuel Itti, Pierre Brugieres, Pierre Cesaro, Romain K Gherardi, Anne-Catherine Bachoud-Levi, François-Jérôme Authier

Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism. - GMI Summary

Authors: Lucija Tomljenovic, Christopher A Shaw

Among female infants, those who receive both BCG and DTP vaccines experience higher mortality than those who receive only one of the two vaccines. - GMI Summary

Authors: Lawrence H Moulton, Lakshmi Rahmathullah, Neal A Halsey, R D Thulasiraj, Joanne Katz, James M Tielsch

Additional Links

Additional Links
Diseases: Asthma: CK(918): AC(134), Chickenpox: CK(80): AC(8), Corticosteroid-Induced Toxicity: CK(78): AC(17)

Additional Links
Among US military personnel vaccinated against smallpox, myopericarditis occurred at a rate of 1 per 12,819 primary vaccinees, and 3.6 fold higher in those without previous vaccinia vaccination. - GMI Summary


Authors: Jeffrey S Halsell, James R Riddle, J Edwin Atwood, Pierce Gardner, Robert Shope, Gregory A Poland, Gregory C Gray, Stephen Ostroff, Robert E Eckart, Duane R Hospenthal, Roger L Gibson, John D Grabenstein, Mark K Arness, David N Tornberg,

Study Type: Human Study

Diseases: Myopericarditis: CK(40) : AC(4)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly. - GMI Summary


Authors: Jeffrey S Halsell, James R Riddle, J Edwin Atwood, Pierce Gardner, Robert Shope, Gregory A Poland, Gregory C Gray, Stephen Ostroff, Robert E Eckart, Duane R Hospenthal, Roger L Gibson, John D Grabenstein, Mark K Arness, David N Tornberg,

Study Type: Human Study

Diseases: Myopericarditis : CK(40) : AC(4)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly. - GMI Summary


Authors: Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey

Study Type: Human Study

Diseases: Myocarditis : CK(54) : AC(8), Myopericarditis : CK(40) : AC(4), Pericarditis : CK(35) : AC(5)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

Annual influenza vaccination hampers the development of virus-specific CD8(+) T cell responses necessary to protect against influenza infection. - GMI Summary


Authors: Rogier Bodewes, Pieter L A Fraaij, Martina M Geelhoed-Mieras, Carel A van Baalen, Harm A W M Tiddens, Annemarie M C van Rossum, Fiona R van der Klis, Ron A M Fouchier, Albert D M E Osterhaus, Guus F Rimmelzwaan

Study Type: Human Study

Diseases: Cystic Fibrosis : CK(703) : AC(77), Influenza : CK(654) : AC(102)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

Adverse Pharmacological Actions: Immunosuppressive : CK(155) : AC(23)

Anthrax vaccination contributes to joint related adverse reactions. - GMI Summary


Authors: D A Geier, M R Geier

Study Type: Human Study

Diseases: Joint Diseases : CK(10) : AC(1)


Autistic children have elevated levels of measles antibodies indicating that measles vaccination may be causing autoimmunity in these children. - GMI Summary


Authors: Vijendra K Singh, Ryan L Jensen
**Between 1995 and 2005 25,306 adverse events were reported from varicella vaccine.** - GMI Summary

Pubmed Data: J Infect Dis. 2008 Mar 1;197 Suppl 2:S170-7. PMID: 18419393

Article Published Date: Mar 01, 2008

Authors: Sandra S Chaves, Penina Haber, Kimp Walton, Robert P Wise, Hector S Izurieta, D Scott Schmid, Jane F Seward

Study Type: Human Study

**Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.** - GMI Summary


Article Published Date: Aug 15, 2008

Authors: Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson

Study Type: Human Study

**Breastfeeding attenuates reductions in energy intake induced by a mild immunologic stimulus represented by DPTH immunization.** - GMI Summary


Article Published Date: Jun 01, 2002

Authors: Mardya López-Alarcón, Cutberto Garza, Jean-Pierre Habicht, Lourdes Martínez, Virginia Pegueros, Salvador Villalpando

Study Type: Human Study

**Breastfeeding is associated with a decreased incidence of fever after immunizations.** - GMI Summary


Article Published Date: Jun 01, 2010

Authors: Alfredo Pisacane, Paola Continisio, Orsola Palma, Stefania Cataldo, Fabiola De Michele, Ugo Vairo

Study Type: Human Study
C-reactive protein (CRP) elevation occur in infants without sepsis after hepatitis B vaccination. - GMI Summary


Children vaccinated with MMR before age 10 are at significantly higher risk of multiple sclerosis. - GMI Summary


Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations. - GMI Summary


Co-administration of live measles and yellow fever vaccines and inactivated pentavalent vaccines is associated with increased mortality compared with measles and yellow fever vaccines only. An observational study from Guinea-Bissau. - GMI Summary


Combined MMR and varicella live vaccine is associated with higher rates of febrile convulsion than giving the vaccines separately. - GMI Summary

**Congenital malformation is a possible consequence of rubella vaccination during pregnancy.** - GMI Summary

**Pubmed Data**: JAMA. 1981 Sep 25;246(13):1413-7. PMID: 7265443

**Article Published Date**: Sep 25, 1981

**Authors**: S R Preblud, H C Stetler, J A Frank, W L Greaves, A R Hinman, K L Herrmann

**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(3934) : AC(312)

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**CRP level in infants is elevated in the 48 hours following immunization.** - GMI Summary


**Article Published Date**: Aug 01, 2007

**Authors**: Massroor Pourcyrous, Sheldon B Korones, Kristopher L Arheart, Henrietta S Bada

**Study Type**: Human Study

**Diseases**: C-Reactive Protein : CK(819) : AC(74), Premature Birth : CK(412) : AC(43), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Additional Keywords**: Multiple Vaccines : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312)

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**Despite a high coverage with measles vaccines in parts of west Africa, epidemics of measles occur with reduced severity in an increasing proportion of older children who have been vaccinated.** - GMI Summary

**Pubmed Data**: Lancet. 1999 Jan 9 ;353(9147):98-102. PMID: 10023894

**Article Published Date**: Jan 08, 1999

**Authors**: H C Whittle, P Aaby, B Samb, H Jensen, J Bennett, F Simondon

**Study Type**: Human Study

**Diseases**: Measles : CK(193) : AC(8)

**Additional Keywords**: Vaccine Failure : CK(123) : AC(13)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

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**Despite the CDC's current recommendation to vaccinate postpartum women before hospital discharge with the tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine in order to prevent pertussis infection in their offspring, it does not reduce** - GMI Summary


**Article Published Date**: Nov 10, 2011

**Authors**: Luis A Castagnini, C Mary Healy, Marcia A Rench, Susan H Wootton, Flor M Munoz, Carol J Baker

**Study Type**: Human Study

**Diseases**: Pertussis : CK(142) : AC(14), Whooping Cough : CK(66) : AC(7)

**Diphtheria-tetanus-pertussis vaccine administered simultaneously with measles vaccine is associated with increased morbidity and poor growth in girls.** - GMI Summary

**Article Published Date**: Jan 10, 2011
**Authors**: J Agergaard, E Nante, G Poulstrup, J Nielsen, K L Flanagan, L Østergaard, C S Benn, P Aaby
**Study Type**: Human Study
**Additional Links**
**Diseases**: Vaccine-induced Toxicity: CK(1130) : AC(163)

**Diphtheria-tetanus-peteruss vaccines increase child mortality in rural Guinea-Bissau.** - GMI Summary

**Article Published Date**: Apr 01, 2004
**Authors**: Peter Aaby, Henrik Jensen, Joaquim Gomes, Manual Fernandes, Ida Maria Lisse
**Study Type**: Human Study
**Additional Links**
**Diseases**: Infant Mortality: CK(229): AC(23), Vaccine-induced Toxicity: CK(1130): AC(163)
**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312)

**DPT vaccines have been associated with recurrent seizures.** - GMI Summary

**Article Published Date**: Oct 01, 1984
**Authors**: J V Murphy, L D Sarff, K M Marquardt
**Study Type**: Human Study
**Additional Links**
**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Diphtheria-Pertussis-Tetanus: CK(283): AC(31)

**Erythema multiforme has been reported as a possible side effect of vaccination for human papillomavirus.** - GMI Summary

**Article Published Date**: Jan 01, 2010
**Authors**: A C Katoulis, A Liakou, E Bozi, M Theodorakis, A Alevizou, A Zafeiraki, M Mistidou, N G Stavrianeas
**Study Type**: Human Study
**Additional Links**
**Diseases**: Erythema: CK(44): AC(6)
**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: HPV (Gardisil): CK(105): AC(13)

**Even though 95% of the children had measles antibodies after vaccination, vaccine efficacy was not more than 68%.** - GMI Summary

**Article Published Date**: Oct 31, 1990
**Authors**: P Aaby, K Knudsen, T G Jensen, J Thårup, A Poulsen, M Sodemann, M C da Silva, H Whittle
**Study Type**: Human Study
**Additional Links**
Evidence exists demonstrating that diphtheria-tetanus-pertussis (DTP) vaccines increase mortality in children. - GMI Summary

Article Published Date: Jan 01, 2007
Authors: Peter Aaby, Christine Stabell Benn, Jens Nielsen, Ida Maria Lisse, Amabelia Rodrigues, Henrik Jensen
Study Type: Human Study
Diseases: Child Mortality: CK(64) : AC(8), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Extra-immunization is associated with receiving immunizations from multiple providers and multiple facility types. - GMI Summary

Article Published Date: Jul 01, 2011
Authors: Paul M Darden, Kristina K Gustafson, Paul J Nietert, Robert M Jacobson
Study Type: Human Study
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth. - GMI Summary

Article Published Date: Sep 20, 2011
Authors: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser
Study Type: Human Study
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)
Adverse Pharmacological Actions: Interleukin-6 up-regulation : CK(14) : AC(3), Tumor necrosis factorα (TNFα) up-regulation : CK(42) : AC(4)

Food/medicine vouchers have been used as an incentive to mothers of infants visiting Expanded Program on Immunization (EPI) centers in a low socio-economic area to increase vaccine rates. - GMI Summary

Article Published Date: Apr 26, 2010
Authors: S Chandir, A J Khan, H Hussain, H R Usman, S Khowaja, N A Halsey, S B Omer
Study Type: Human Study
Additional Keywords: Bribing : CK(20) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Hepatitis B vaccination coverage has fallen to beneath 30% in France due to concerns over safety. - GMI Summary

**Hepatitis B vaccination has been linked to autoimmune inflammatory polyneuropathy (PN).**  - GMI Summary

**Pubmed Data**: J Peripher Nerv Syst. 2002 Sep;7(3):163-7. PMID: 12365564

**Study Type**: Human Study

**Diseases**: Multiple Sclerosis : CK(716) : AC(133)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Hepatitis B vaccination is associated with a wide range of autoimmune diseases.**  - GMI Summary


**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of age.**  - GMI Summary

**Pubmed Data**: Reprod Toxicol. 2002 May-Jun;16(3):237-43. PMID: 18843097

**Study Type**: Human Study

**Diseases**: Mercury Poisoning : CK(162) : AC(44), Premature Birth : CK(412) : AC(43)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

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**Hepatitis B vaccination is associated with potentially neurotoxic mercury exposure in infants.**  - GMI Summary

**Pubmed Data**: Chin Med. 2008 Mar 29;3:4. PMID: 10802503

**Study Type**: Human Study

**Diseases**: Mercury Poisoning : CK(162) : AC(44), Premature Birth : CK(412) : AC(43)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)
**Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein.** - GMI Summary


**Article Published Date**: Sep 01, 2005

**Authors**: Dimitrios-Petrou Bogdanos, Heather Smith, Yun Ma, Harold Baum, Giorgina Mieli-Vergani, Diego Vergani

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Autoimmune Diseases: CK(5317) : AC(779), Demyelinating Diseases: CK(1278) : AC(250), Vaccine-induced Toxicity: CK(1130) : AC(163)
- **Additional Keywords**: Hepatitis B Vaccine: CK(30) : AC(2), Molecular Mimicry: CK(47) : AC(10)
- **Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.** - GMI Summary


**Article Published Date**: Jun 01, 2005

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study

**Additional Links**

- **Additional Keywords**: Hepatitis B Vaccine: CK(30) : AC(2), Molecular Mimicry: CK(47) : AC(10)
- **Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities.** - GMI Summary


**Article Published Date**: Nov 01, 2002

**Authors**: David A Geier, Mark R Geier

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Gastrointestinal Diseases: CK(38) : AC(14), Hepatitis: CK(64) : AC(23), Vaccine-induced Toxicity: CK(1130) : AC(163)
- **Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Hepatitis B vaccine is associated with an increased risk of liver problems in U.S. children less than 6 years old, 1993 and 1994.** - GMI Summary


**Article Published Date**: May 01, 1999

**Authors**: M A Fisher, S A Eklund

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Liver Disease: CK(112) : AC(31), Vaccine-induced Toxicity: CK(1130) : AC(163)
- **Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.** - GMI Summary
**Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.** - GMI Summary

**Hepatitis B vaccine may have a possible association with the development of uveitis in some patients.** - GMI Summary

**Hepatitis C prevalence in Southern Italy may be due to iatrogenic transmission through the Salk Polio vaccine 1956-1965.** - GMI Summary

**High titre measles vaccination increases female mortality in those receiving immunization in West Africa.** - GMI Summary

**High-titer measles vaccination before 9 months of age has been linked to**
increased female mortality. - GMI Summary

Article Published Date: Jul 01, 2003
Authors: Peter Aaby, Henrik Jensen, Francois Simondon, Hilton Whittle
Study Type: Human Study
Additional Links
Diseases: Child Mortality: CK(64) : AC(8), Measles : CK(193) : AC(8)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

HPV vaccination does not have a therapeutic effect in young women with pre-existing human papillomavirus infection. - GMI Summary

Article Published Date: Aug 15, 2007
Authors: Allan Hildesheim, Rolando Herrero, Sholom Wacholder, Ana C Rodriguez, Diane Solomon, M Concepcion Bratti, John T Schiller, Paula Gonzalez, Gary Dubin, Carolina Porras, Silvia E Jimenez, Douglas R Lowy,
Study Type: Human Study
Additional Links
Diseases: Human Papillomavirus (HPV): CK(153) : AC(22)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: HPV (Gardisil) : CK(105) : AC(13)

HPV vaccination has been linked to demyelination. - GMI Summary

Article Published Date: Mar 01, 2010
Authors: Francis J DiMario, Mirna Hajjar, Thomas Ciesielski
Study Type: Human Study
Additional Links
Diseases: Demyelinating Diseases : CK(1278) : AC(250), HPV : CK(31) : AC(4), Human Papillomavirus (HPV) : CK(153) : AC(22), Vaccine-induced Toxicity : CK(1130) : AC(163)
Additional Keywords: HPV Vaccine : CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: HPV (Gardisil) : CK(105) : AC(13)

Human Papilloma Virus (HPV) vaccine is associated with demyelinating events. - GMI Summary

Article Published Date: Jan 01, 2009
Authors: I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett
Study Type: Human Study
Additional Links
Diseases: Demyelinating Diseases : CK(1278) : AC(250), HPV : CK(31) : AC(4), Human Papillomavirus (HPV) : CK(153) : AC(22), Vaccine-induced Toxicity : CK(1130) : AC(163)

Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants. - GMI Summary

Pubmed Data: Braz J Infect Dis. 2009 Apr;13(2):104-6. PMID: 20140352
Article Published Date: Apr 01, 2009
Authors: Claudia R C Lopes, Eitan N Berezin, Ting Hui Ching, Jaildo de Souza Canuto, Vanilda Oliveira da Costa, Erika Monteiro Klering
Study Type: Human Study
Additional Links
Diseases: Infant Infections : CK(420) : AC(45), Pneumococcal Infections : CK(50) : AC(11), Upper Respiratory Infections : CK(972) : AC(92)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(77) : AC(8)

**In a measles outbreak from March 1991 to April 1992 in Rio de Janeiro 76.4% of those suspected to be infected had received measles vaccine before their first birthday. - GMI Summary**

**Article Published Date**: Sep 30, 1995
**Authors**: S A de Oliveira, W N Soares, M O Dalston, M T de Almeida, A J Costa
**Study Type**: Human Study
**Additional Links**
**Diseases**: Measles : CK(193) : AC(8)
**Additional Keywords**: Vaccine Failure : CK(123) : AC(13)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

**In Kings County Washington, between 2002-2007, of the 176 confirmed cases of pertussis in infants under age 1 seventy-seven percent were age-appropriately vaccinated. - GMI Summary**

**Pubmed Data**: Arch Pediatr Adolesc Med. 2011 Jul ;165(7):647-52. PMID: 21727277
**Article Published Date**: Jul 01, 2011
**Authors**: Matthew P Hanson, Tao S Kwan-Gett, Atar Baer, Krista Rietberg, Mara Ohrt, Jeffrey S Duchin
**Study Type**: Human Study
**Additional Links**
**Diseases**: Pertussis : CK(142) : AC(14)
**Additional Keywords**: Vaccine Resistance : CK(11) : AC(2)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Pertussis : CK(116) : AC(14)

**In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously. - GMI Summary**

**Article Published Date**: Jan 01, 1975
**Authors**: V Boniuk
**Study Type**: Human Study
**Additional Links**
**Anti Therapeutic Actions**: Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(3934) : AC(312)

**In the US the highest number of cases of Guillain-Barre syndrome are associated with influenza and hepatitis B vaccines. - GMI Summary**

**Pubmed Data**: J Clin Neuromuscul Dis. 2009 Sep;11(1):1-6. PMID: 19730016
**Article Published Date**: Sep 01, 2009
**Authors**: Nizar Souayah, Abu Nasar, M Fareed K Suri, Adnan I Qureshi
**Study Type**: Human Study
**Additional Links**
**Diseases**: Guillain-Barre Syndrome : CK(84) : AC(14), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48), Vaccination: Influenza : CK(356) : AC(37)

**Incidence of adverse reactions to vaccines in pediatric populations are under-reported and may be as high as 43.4% for certain vaccine combinations. - GMI Summary**

**Pubmed Data**: Clin Drug Investig. 2004;24(8):457-63. PMID: 17523706
Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period. - GMI Summary


Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events. - GMI Summary

Pubmed Data : J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: 20964738

Influenza vaccination does not appear to be effective during pregnancy in preventing hospitalizations and outpatient visits for respiratory illness in pregnant women and their infants. - GMI Summary


Influenza vaccination does not prevent ischemic stroke and it does not reduce the rate of acute previous infections in stroke patients. - GMI Summary

**Influenza vaccination may increase the risk of Guillain-Barré Syndrome.** - GMI Summary


**Authors**: C I Blanco-Marchite, L Buznego-Suárez, M A Fagúndez-Vargas, M Méndez-Llatas, P Pozo-Martos

**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Influenza: CK(356): AC(37)

**Summary**

Influenza vaccination may increase the risk of Guillain-Barré Syndrome.


**Authors**: Rainer Birck, Isabelle Kaelsch, Peter Schnuelle, Luis Felipe Flores-Suárez, Rainer Nowack

**Study Type**: Human Study

**Diseases**: Vaccine-induced Toxicity: CK(1130): AC(163), Vasculitis: CK(48): AC(11)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Influenza: CK(356): AC(37)

**Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons.** - GMI Summary

**Pubmed Data**: Anticancer Res. 2009 Nov;29(11):4629-32. PMID: 18838647

**Authors**: Peter G Szilagyi, Gerry Fairbrother, Marie R Griffin, Richard W Hornung, Stephanie Donauer, Ardythe Morrow, Mekibib Altaye, Yuwei Zhu, Sandra Ambrose, Kathryn M Edwards, Katherine A Poehling, Geraldine Lofthus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat

**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Influenza: CK(356): AC(37)

**Influenza-related mortality is not prevented with increasing vaccination coverage.** - GMI Summary


**Authors**: Caterina Rizzo, Cécile Viboud, Emanuele Montomoli, Lone Simonsen, Mark A Miller

**Study Type**: Human Study

**Diseases**: Influenza A: CK(305): AC(73), Swine Flu Associated Virus: CK(156): AC(33)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Influenza: CK(356): AC(37)

**Injection site reactions occur in 28% of those who receive the anthrax vaccine, with women having twice the incidence of reaction versus men.** - GMI Summary

**Pubmed Data**: Pharmacoepidemiol Drug Saf. 2007 Mar;16(3):259-74. PMID: 17245803

**Article Published Date**: Mar 01, 2007
**killed cholera vaccination generates an inferior immune response in comparison to patients with naturally acquired cholera.**  - GMI Summary

**Measles outbreak in a fully immunized secondary-school population with up to 99 percent vaccination.**  - GMI Summary

**Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders.**  - GMI Summary

**Measles, mumps, and rubella catch up immunisation in a measles epidemic did not appear to confer protection and was associated with a variety of new side effects of the vaccine.**  - GMI Summary
Measles-mumps-rubella vaccine that is given in the second year of life is associated with an increased risk of immune thrombocytopenia purpura. - GMI Summary

Article Published Date: Mar 01, 2008
Authors: Eric K France, Jason Glanz, Stanley Xu, Simon Hambidge, Kristi Yamasaki, Steve B Black, Michael Marcy, John P Mullooly, Lisa A Jackson, James Nordin, Edward A Belongia, K Hohman, Robert T Chen, Robert Davis,
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

MMR vaccination is associated with an increased risk for idiopathic thrombocytopaenic purpura. - GMI Summary

Article Published Date: Jan 01, 2003
Authors: Corri Black, James A Kaye, Hershel Jick
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States. - GMI Summary

Article Published Date: Mar 15, 2008
Authors: Juliette Morgan, Martha H Roper, Laurence Sperling, Richard A Schieber, James D Heffelfinger, Christine G Casey, Jacqueline W Miller, Scott Santibanez, Barbara Herwaldt, Paige Hightower, Pedro L Moro, Beth F Hibbs, Nancy H Levine, Louisa E Chapman, John Iskander, J Michael Lane, Melinda Wharton, Gina T Mootrey, David L Swerdlow
Study Type: Human Study
Additional Links
Diseases: Myocarditis : CK(54) : AC(8), Myopericarditis : CK(40) : AC(4), Pericarditis : CK(35) : AC(5)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

Near complete vaccination coverage for varicella does not prevent outbreaks in those treated. - GMI Summary

Article Published Date: Jun 01, 2006
Authors: Adriana S Lopez, Dalya Guris, Laura Zimmerman, Linda Gladden, Tamara Moore, Dirk T Haselow, Vladimir N Loparev, D Scott Schmid, Aisha O Jumaan, Sandra L Snow
Study Type: Human Study
Additional Links
Diseases: Varicella : CK(50) : AC(5)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

Noticeable adverse reactions to the HPV vaccine occured in 22% of those polled. - GMI Summary
Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary. - GMI Summary

Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible individuals. - GMI Summary

Pertussis vaccine has been linked to hypotonic-hyposresponsive episodes (HHE) in infants and children. - GMI Summary

Pneumococcal conjugate vaccine is not effective to prevent ear infections in previously unvaccinated toddlers and children with a history of recurrent ear infections. - GMI Summary
**Pneumococcal vaccines are ineffective in children with a history of recurrent acute ear infections - Article 2.** - GMI Summary

**Pubmed Data:** Int J Pediatr Otorhinolaryngol. 2006 Feb;70(2):275-85. Epub 2005 Sep 2. PMID: 16140397

**Article Published Date:** Feb 01, 2006

**Authors:** Muriel J P van Kempen, Judith S Vermeiren, Mario Vaneechoutte, Geert Claeys, Reinier H Veenhoven, Ger T Rijkers, Elisabeth A M Sanders, Ingeborg J Dhooge

**Study Type:** Human Study

**Additional Links**

**Diseases:** Ear Infection : CK(604) : AC(33), Pneumococcal Infections : CK(50) : AC(11)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(71) : AC(8)

Pneumococcal vaccines do not appear to reduce the risk of death from pneumonia in adult populations. - GMI Summary

**Pubmed Data:** Cochrane Database Syst Rev. 2003(4):CD000422. PMID: 14583920

**Article Published Date:** Jan 01, 2003

**Authors:** K Dear, J Holden, R Andrews, D Tatham

**Study Type:** Human Study

**Additional Links**

**Diseases:** Pneumococcal Infections : CK(50) : AC(11), Pneumonia : CK(330) : AC(40)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(71) : AC(8)

Postlicensure safety surveillance has revealed a disproportionate reporting of syncope and venous thromboembolic events following quadrivalent HPV vaccination. - GMI Summary

**Pubmed Data:** JAMA. 2009 Aug 19;302(7):750-7. PMID: 19690307

**Article Published Date:** Aug 19, 2009

**Authors:** Barbara A Slade, Laura Leidel, Claudia Vellozzi, Emily Jane Woo, Wei Hua, Andrea Sutherland, Hector S Izuriea, Robert Ball, Nancy Miller, M Miles Braun, Lauri E Markowitz, John Iskander

**Study Type:** Human Study

**Additional Links**

**Diseases:** Syncope : CK(10) : AC(1), Thromboembolism : CK(205) : AC(19)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: HPV (Gardisil) : CK(105) : AC(13)

Primary and secondary vaccine failure may explain the 1992 measles epidemic in Cape Town. - GMI Summary


**Article Published Date:** Feb 28, 1994

**Authors:** N Coetzee, G D Hussey, G Visser, P Barron, A Keen

**Study Type:** Human Study

**Additional Links**

**Diseases:** Measles : CK(193) : AC(8)

**Additional Keywords:** Vaccine Failure : CK(123) : AC(13)

**Anti Therapeutic Actions:** Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

Prior receipt of seasonal flu vaccine (2008-09) was associated with increased risk of medically attended pandemic H1N1 illness (2008-09). - GMI Summary
Rates of intussusception associated with rotavirus vaccines may be significantly underestimated. - GMI Summary

Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception. - GMI Summary

Rotavirus vaccinations have a history of causing adverse effects such as intussusception. - GMI Summary

Seasonal influenza vaccine (2008-2009) is associated with an increased risk of influenza-like illness from pandemic H1N1 infection. - GMI Summary
Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occurred in metabolically vulnerable children. - GMI Summary

Since the 1993 pertussis epidemic in Cincinnati occurred primarily among children who had been appropriately immunized, it is clear that the whole-cell pertussis vaccine failed to give full protection against the disease. - GMI Summary

Smallpox vaccination has been associated with cardiac complications such as myopericarditis. - GMI Summary

Smallpox vaccine caused iatrogenic vaccinia in children in Russia. - GMI Summary
**Sudden infant death syndrome and DTP vaccine timing may be linked.** - GMI Summary

**Pubmed Data**: Otol Neurotol. 2002 Jul;23(4):447-51. PMID: 6835859
**Article Published Date**: Jul 01, 2002
**Authors**: L J Baraff, W J Ablon, R C Weiss
**Study Type**: Human Study
**Diseases**: Sudden Infant Death Syndrome (SIDS): CK(138) : AC(18)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

**Sudden Infant Death syndrome mortality rate in the period zero to three days following DTP was found to be 7.3 times higher than in the period 30 days after immunization.** - GMI Summary

**Article Published Date**: Aug 01, 1987
**Authors**: A M Walker, H Jick, D R Perera, R S Thompson, T A Knauss
**Study Type**: Human Study
**Diseases**: Sudden Infant Death Syndrome (SIDS): CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

**Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.** - GMI Summary

**Pubmed Data**: J Infect Dis. 2008 Jul 15;198(2):226-33. PMID: 18522505
**Article Published Date**: Jul 15, 2008
**Authors**: Irving Nachamkin, Sean V Shadomy, Anthony P Moran, Nancy Cox, Collette Fitzgerald, Huong Ung, Adrian T Corcoran, John K Iskander, Lawrence B Schonberger, Robert T Chen
**Study Type**: Human Study
**Diseases**: Acute Autoimmune Neuropathy : CK(104) : AC(2), Autoimmune Diseases : CK(5317) : AC(779), Guillain-Barre Syndrome : CK(84) : AC(14), Influenza : CK(654) : AC(102), Swine Flu Associated Virus : CK(156) : AC(33), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Additional Keywords**: Influenza Vaccine : CK(10) : AC(1), Swine Flu Vaccine : CK(10) : AC(1)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312)

**Symptomatic Gulf War Syndrome is strongly associated with the presence of autoantibodies to squalene, an adjuvant used in vaccines.** - GMI Summary

**Pubmed Data**: Exp Mol Pathol. 2000 Feb;68(1):55-64. PMID: 10640454
**Article Published Date**: Feb 01, 2000
**Authors**: P B Asa, Y Cao, R F Garry
**Study Type**: Human Study
**Diseases**: Gulf War Syndrome : CK(33) : AC(5), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Anthrax : CK(62) : AC(8)

**Systemic lupus erythematosus related to hepatitis B vaccine has been reported.** - GMI Summary

**Pubmed Data**: Lupus. 2009 Nov;18(13):1192-7. PMID: 19880567
**Article Published Date**: Nov 01, 2009
**Authors**: N Agmon-Levin, Y Zafrir, Z Paz, T Shilton, G Zandman-Goddard, Y Shoenfeld
**Study Type**: Human Study
**Diseases**: Systemic Lupus Erythematosus : CK(387) : AC(54)
The anthrax vaccine is one of the most reactogenic vaccines reported in the Vaccine Adverse Events Reporting System (VAERS) database. - GMI Summary


Authors: Mark R Geier, David A Geier
Study Type: Human Study
Diseases: Anthrax: CK(43) : AC(6), Vaccine-induced Toxicity: CK(1130) : AC(163)

The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects. - GMI Summary


Authors: Mogens Helweg Claesson
Study Type: Human Study

The combination of MMR and DTaP-Hib-IPV vaccination is associated with significantly increased rates of adverse effects. - GMI Summary


Authors: Elena Shneyer, Avshalom Strulov, Yaakov Rosenfeld
Study Type: Human Study
Diseases: Measles : CK(193) : AC(8)

The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism. - GMI Summary


Authors: Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson
Study Type: Human Study

The occurrence of secondary vaccine failure and vaccine-modified measles in the United States may lead to underreporting of measles cases and result in overestimation of vaccine efficacy in h - GMI Summary


The oral polio vaccine is unlikely to be able to eradicate polio from India. - GMI Summary

The risk of miscarriage increases following HPV vaccination. - GMI Summary

The vaccine adjuvant squalene in anthrax vaccines given to soldiers in the Gulf War resulted in the formation of antibodies to squalene which are associated with Gulf War Syndrome. - GMI Summary

The way that the effectiveness of HPV vaccines are framed influences whether or not respondents believe they are effective and their acceptance level of vaccine mandate policies. - GMI Summary

There is a positive association between autism prevalence and childhood
vaccination uptake across the U.S. population. - GMI Summary

Article Published Date: Jan 01, 2011
Authors: Gayle Delong
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

There were 69 reports of Guillain-Barré Syndrome (GBS) after Gardasil vaccination that occurred in the United States between 2006 and 2009. - GMI Summary

Pubmed Data: Vaccine. 2010 Sep 23. Epub 2010 Sep 23. PMID: 20869467
Article Published Date: Sep 23, 2010
Authors: Nizar Souayah, P A Michas-Martin, Abu Nasar, Nataliya Krivitskaya, Hussam A Yacoub, Hafiz Khan, Adnan I Qureshi
Study Type: Human Study
Additional Links
Diseases: Guillain-Barre Syndrome: CK(84): AC(14), Vaccine-induced Toxicity: CK(1130): AC(163)

Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination. - GMI Summary

Article Published Date: Mar 15, 2012
Authors: Natasa Toplak, Vesna Subelj, Tanja Kveder, Sasa Cucnik, Katarina Prosenc, Alenka Trampus-Bakija, Ljupco Todorovski, Tadej Avcin
Study Type: Human Study
Additional Links
Adverse Pharmacological Actions: Tumor necrosis factorα (TNFα) up-regulation: CK(42): AC(4)

Thrombocytopenic purpura following vaccination in early childhood has been reported. - GMI Summary

Pubmed Data: J Chin Med Assoc. 2010 Dec;73(12):634-7. PMID: 21145511
Article Published Date: Dec 01, 2010
Authors: Yuh-Lin Hsieh, Lung-Huang Lin
Study Type: Human Study
Additional Links

Unvaccinated children tended to be white, to have a mother who was married and had a college degree, to live in a household with an annual income exceeding 75,000 dollars, and to have parents who expressed concerns regarding the safety of vaccines. - GMI Summary

Article Published Date: Jul 01, 2004
Authors: Philip J Smith, Susan Y Chu, Lawrence E Barker
Study Type: Human Study
Vaccination for DPT, Hepatitis B and influenza has been reported to be associated with the development of erythema multiforme in an infant. - GMI Summary

Pubmed Data: Indian J Dermatol Venereol Leprol. 2008 May-Jun;74(3):251-3. PMID: 18583795
Article Published Date: May 01, 2008
Authors: Sarvjit Kaur, Sanjeev Handa
Study Type: Human Study

Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants. - GMI Summary

Article Published Date: Sep 01, 2000
Authors: I Srugo, D Benilevi, R Madeb, S Shapiro, T Shohat, E Somekh, Y Rimmar, V Gershtein, R Gershtein, E Marva, N Lahat
Study Type: Human Study

Vaccination can precipitate lupus erythematosus. - GMI Summary

Article Published Date: Dec 01, 1999
Authors: S A Older, D F Battafarano, R J Enzenauer, A M Krieg
Study Type: Human Study

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy. - GMI Summary

Article Published Date: Dec 09, 2009
Authors: Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin
Study Type: Human Study

Vaccination is associated with thrombocytopenic purpura in children. - GMI Summary

Vaccination timing and co-administration may be associated with increased mortality, especially in females. - GMI Summary


Vaccination with measles after DTP and polio vaccine is associated with 2-fold increase in female mortality. - GMI Summary


Vaccination-associated adverse events occur in approximately 1 of every 6 toddlers receiving measles-mumps-rubella vaccine dose 1, with high fever occurring in 1 of 20 - GMI Summary


Varicella outbreaks occur in vaccinated populations, even when receiving 2 doses. - GMI Summary

Varicella vaccine has been associated with viremia and streptococcal toxic shock syndrome. - GMI Summary

Varicella vaccine has been reported to cause chronic, acyclovir-resistant herpes zoster infection in an immunosuppressed child. - GMI Summary

Varicella vaccine has been reported to viral meningitis in an immunocompetent child. - GMI Summary

Varicella vaccine may be associated with aplastic anemia in children. - GMI Summary
**Anti Therapeutic Actions** : Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

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**Varicella vaccine virus can be contagious and infect others - Article 2. - GMI Summary**

Article Published Date : Oct 01, 1997
Authors : P LaRussa, S Steinberg, F Meurice, A Gershon
Study Type : Human Study
Additional Links
Diseases : Chickenpox : CK(80) : AC(8)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

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**Varicella-zoster vaccine has been linked to herpes zoster opthalamicus and encephalitis as possible, though rare side effects. - GMI Summary**

Pubmed Data : Homeopathy. 2009 Apr;98(2):77-82. PMID: 9255208
Article Published Date : Apr 01, 2009
Authors : M B Salzman, R G Sharrar, S Steinberg, P LaRussa
Study Type : Human Study
Additional Links
Diseases : Chickenpox : CK(80) : AC(8)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

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**Whole cell pertussis vaccines may have been causing serious neurological disorders. - GMI Summary**

Pubmed Data : Brain Dev. 2004 Aug;26(5):296-300. PMID: 15165669
Article Published Date : Aug 01, 2004
Authors : David A Geier, Mark R Geier
Study Type : Human Study
Additional Links
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Pertussis : CK(116) : AC(14)

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**Widening influenza vaccine coverage is not correleated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated. - GMI Summary**

Pubmed Data : Arch Intern Med. 2005 Feb 14;165(3):265-72. PMID: 15710788
Article Published Date : Feb 14, 2005
Authors : Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Millier
Study Type : Human Study
**Zinc supplementation has a beneficial effect on malaise, one of the influenza vaccine associated adverse events, and decrease serum TNF-α levels.** - GMI Summary


**Article Published Date**: Apr 21, 2011

**Authors**: S Songül Yalçın, Defne Engür-Karasimav, Dursun Alehan, Kadriye Yurdakök, Süheyla Ozkutlu, Turgay Coşkun

**Study Type**: Human Study

**Additional Links**

**Diseases**: H1N1 Infection: CK(467) : AC(87), Influenza: CK(654) : AC(102), Influenza A: CK(305) : AC(73), Swine Flu Associated Virus: CK(156) : AC(33)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

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**A case of extensive ulcerating vasculitis following a BCG vaccination has been reported.** - GMI Summary


**Article Published Date**: Aug 01, 2009

**Authors**: A Ghattaura, K A Eley, E Molenaar, G Smith

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Vaccine-induced Toxicity: CK(1130) : AC(163), Vasculitis: CK(48) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: BCG (Tuberculosis): CK(33) : AC(4)

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**A case of influenza vaccine induced have necrotizing glomerulonephritis in decursu vasculitis has been reported.** - GMI Summary


**Article Published Date**: Jul 01, 2005

**Authors**: Lidia Hyla-Klekot, Grazyna Kucharska, Witold Cieslak

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Glomerulonephritis: CK(41) : AC(9), Vasculitis: CK(48) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

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**A case of lethal inflammatory polyradiculoneuropathy with spinal cord involvement after hepatitis B vaccination.** - GMI Summary

**Pubmed Data**: J Neurol Sci. 2001 May 1;186(1-2):81-5. PMID: 11412876

**Article Published Date**: May 01, 2001

**Authors**: E Sindern, J M Schröder, M Krismann, J P Malin

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Acute Inflammatory Demyelinating Polyradiculoneuropathy: CK(87) : AC(1), Polyradiculoneuropathy: Acute Inflammatory: CK(87) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

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**A case of lethal status epilepticus and lymphocytic pneumonitis has been**
A case of sudden infant death associated with hexavalent immunization has been reported.

Acute posterior multifocal placoid pigment epitheliopathy after hepatitis B vaccine has been reported.

Acute transverse myelitis after influenza vaccination has been reported.

Allergy to viral and rickettsial vaccines; review of the literature.

Autoimmune hemolytic anemia following MF59-adjuvanted influenza vaccine has been reported.
Bell's palsy is a possible complication of hepatitis B vaccination in children. - GMI Summary

Article Published Date: Oct 01, 2009
Authors: Handan Alp, Hüseyin Tan, Zerrin Orbak
Study Type: Human: Case Report
Additional Links
Diseases: Bell's Palsy: CK(13) : AC(3)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Cutaneous lupus erythematosus and buccal aphthosis after hepatitis B vaccination has been reported in a 6-year-old child[ - GMI Summary

Article Published Date: Jan 01, 1996
Authors: P Grézard, M Chefaï, V Philippot, H Perrot, M Faisant
Study Type: Human: Case Report
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Deep morphea after vaccination in two young children has been reported. - GMI Summary

Article Published Date: Sep 01, 2006
Authors: Antonio Torrelo, José Suárez, Isabel Colmenero, Daniel Azorín, Antonio Perera, Antonio Zambrano
Study Type: Human: Case Report
Additional Links
Diseases: Morphea profunda : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Delayed focal lipoatrophy after AS03-adjuvanted influenza A (H1N1) 2009 vaccine has been reported. - GMI Summary

Pubmed Data: Vaccine. 2010 Dec 17. Epub 2010 Dec 17. PMID: 21172376
Article Published Date: Dec 17, 2010
Authors: Emilie Javelle, Benjamin Soulier, Christian Brosset, Solène Lorcy, Fabrice Simon
Study Type: Human: Case Report
Additional Links
Diseases: Lipoatrophy : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed. - GMI Summary
Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported. - GMI Summary

Guillain-Barré syndrome following hepatitis B vaccination has been reported. - GMI Summary

H1N1 vaccination has been linked to possible new-onset seizure. - GMI Summary

Hepatitis B vaccination has been linked to anaphylactic shock and death in infants. - GMI Summary

Hepatitis B vaccine associated with dermatomyositis has been reported. - GMI
**Hepatitis B vaccine may induce myelitis in susceptible individuals.** - GMI Summary

**Pubmed Data**: Eur J Neurol. 2001 Nov;8(6):711-5. PMID: 11784358

**Article Published Date**: Nov 01, 2001

**Authors**: F Karaali-Savrun, A Altintaş, S Saip, A Siva

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Myelitis : CK(39) : AC(5)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Immune-mediated myelitis following hepatitis B vaccination has been reported.** - GMI Summary

**Pubmed Data**: Autoimmun Rev. 2012 Apr 1. Epub 2012 Apr 1. PMID: 22498789

**Article Published Date**: Apr 01, 2012

**Authors**: Joerg-Patrick Stübgen

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Myelitis : CK(39) : AC(5), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**In 1985 twin boys simultaneously succumbed to sudden unexpected deaths two to three hours after vaccination with diphtheria, tetanus, and pertussis vaccine (DTP).** - GMI Summary

**Pubmed Data**: Arch Dis Child. 1987 Jul;62(7):754-9. PMID: 3498443

**Article Published Date**: Jul 01, 1987

**Authors**: S C Roberts

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

**Influenza vaccination has been reported to cause miller fisher syndrome.** - GMI Summary


**Article Published Date**: Oct 01, 2011

**Authors**: Ashkan Shoamanesh, Kristine Chapman, Anthony Traboulsee

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Guillain Barre Syndrome: Miller Fisher Variant : CK(13) : AC(2), Miller Fisher Syndrome : CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)
Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs. - GMI Summary

Article Published Date: May 01, 2000
Authors: E Plotkin, J Bernheim, S Ben-Chetrit, A Mor, Z Korzets
Study Type: Human: Case Report
Additional Links
Diseases: Rhabdomyolysis: CK(165) : AC(38), Statin-Induced Pathologies: CK(1570) : AC(315)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)
Problem Substances: Statin Drugs : CK(3969) : AC(465)
Adverse Pharmacological Actions: Myotoxicity : CK(317) : AC(79)

Optic neuritis following hepatitis B vaccination has been reported. - GMI Summary

Article Published Date: Nov 01, 2009
Authors: Muferet Erguven, Sirin Guven, Umit Akyuz, Olcay Bilgiç, Fuat Lalaglo
Study Type: Human: Case Report
Additional Links
Diseases: Optic Neuritis: CK(23) : AC(3), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Possible systemic lupus erythematosus following HPV immunization has been reported. - GMI Summary

Article Published Date: Jan 01, 2012
Authors: Hf Soldevilla, Sfr Briones, Sv Navarra
Study Type: Human: Case Report
Additional Links
Diseases: Lupus Erythematosus: Systemic : CK(949) : AC(53), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: HPV (Gardisil) : CK(105) : AC(13)

Transverse myelitis has been reported in association with a nasal attenuated novel influenza A(H1N1) vaccine. - GMI Summary

Article Published Date: Aug 01, 2010
Authors: Wafa Akkad, Bassel Salem, Jerome W Freeman, Mark K Huntington
Study Type: Human: Case Report
Additional Links
Diseases: Myelitis : CK(39) : AC(5), Swine Flu Associated Virus : CK(156) : AC(33)

Simultaneous sudden infant death syndrome has been reported in twins two days after receiving multiple vaccinations. - GMI Summary

Pubmed Data: J Forensic Leg Med. 2007 Feb;14(2):87-91. PMID: 17654772
Article Published Date: Feb 01, 2007
Authors: Yasemin Balci, Mehmet Tok, B Kenan Kocaturk, Cinar Yenilmez, Coşkun Yirulmaz
Study Type: Human: Case Report
Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18)
**Sudden infant death syndrome (SIDS) shortly after hexavalent vaccination has been reported.** - GMI Summary


Authors: Giulia Ottaviani, Anna Maria Lavezzi, Luigi Matturri

Study Type: Human: Case Report

Diseases: Sudden Infant Death Syndrome (SIDS): CK(138): AC(18)


**Systemic lupus erythematosus has been triggered by hepatitis B vaccine.** - GMI Summary


Authors: D Santoro, G Vita, R Vita, A Mallamace, V Savica, G Bellinghieri, S Bennenga, S Gangemi

Study Type: Human: Case Report

Diseases: Systemic Lupus Erythematosus: CK(387): AC(54)


**The pathogenic role of aluminium hydroxide is now recognized by the presence of chronic fatigue syndrome, macrophagic myofasciitis and subcutaneous pseudolymphoma, linked to intramuscular injection of aluminium hydroxide-containing vaccines.** - GMI Summary


Authors: Olivier Guillard, Bernard Fauconneau, Alain Pineau, Annie Marrauld, Jean-Pierre Bellocq, Marie-Pierre Cherand

Study Type: Human: Case Report, Review


Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)


Adverse Pharmacological Actions: Immunotoxic: CK(230): AC(38)

**The psychic reactions following injections of bacterial vaccines.** - GMI Summary

Pubmed Data: Int Arch Allergy Appl Immunol. 1950 ;1(3):226-43. PMID: 14794265

Authors: J ILAVSKY

Study Type: Human: Case Report


Anti Therapeutic Actions: Vaccine-induced Toxicity: CK(1130): AC(163)

**Vaccination as a probable cause of incontinentia pigmenti reactivation has been reported.** - GMI Summary


Authors: Ali Alikhan, Andrew D Lee, Donald Swing, Christie Carroll, Gil Yosipovitch
**A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows.** - GMI Summary


**Article Published Date**: Nov 01, 1996

**Authors**: M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville

**Study Type**: Animal Study

**Additional Links**

**Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.** - GMI Summary


**Article Published Date**: Nov 01, 2002

**Authors**: D A Geier, M R Geier

**Study Type**: Animal Study

**Additional Links**

**Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.** - GMI Summary

**Pubmed Data**: J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: 11536329

**Article Published Date**: Sep 01, 2001

**Authors**: C Besson Duvanel, P Honegger, J M Matthieu

**Study Type**: Animal Study

**Additional Links**
- **Additional Keywords**: Molecular Mimicry: CK(47): AC(10)

**Contraceptive vaccines are being developed.** - GMI Summary


**Article Published Date**: Feb 01, 2012

**Authors**: Angela R Lemons, Rajesh K Naz

**Study Type**: Animal Study

**Additional Links**
- **Additional Keywords**: Contraceptive Vaccines: CK(6): AC(3)
- **Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312)

**Experimental in utero inoculation of late-term swine fetuses with porcine circovirus type 2 results in a high rate of reproductive abnormalities, including mummification and stillbirth.** - GMI Summary

Fatal adverse pulmonary reaction in calves after inadvertent intravenous vaccination has been reported. - GMI Summary

Pubmed Data: Vet Pathol. 2005 Jul;42(4):492-5. PMID: 16006609

Hepatitis B vaccine alters the expression of 144 genes in the mouse liver within 1 day of vaccination, 7 of which are related to inflammation and metabolism. - GMI Summary


Hepatitis B vaccine induces cell death in liver cells and mouse liver. - GMI Summary


Maturational changes in amygdala volume and the binding capacity of an opioid antagonist in the amygdala was significantly altered in infant macaques receiving the vaccine schedule. - GMI Summary

Mice exhibit lung pathology after vaccination with pertussis vaccines. - GMI Summary

Pubmed Data: Vaccine. 2007 Mar 8;25(12):2346-60. Epub 2006 Dec 12. PMID: 17224216

Article Published Date: Mar 08, 2007

Authors: Rob J Vandebriel, Eric R Gremmer, Jolanda P Vermeulen, Sandra M M Hellwig, Jan A M A Dormans, Paul J M Roholl, Frits R Mooi

Study Type: Animal Study

Additional Links

Pharmacological Actions: Tumor Necrosis Factor (TNF) Alpha Inhibitor: CK(971): AC(348)


Newborn primates receiving mercury-containing hepatitis B vaccines exhibit neurodevelopmental delays. - GMI Summary


Article Published Date: Jan 01, 2010

Authors: Laura Hewitson, Lisa A Houser, Carol Stott, Gene Sackett, Jaime L Tomko, David Atwood, Lisa Blue, E Railey White

Study Type: Animal Study

Additional Links

Diseases: Hepatitis B: CK(226): AC(39), Vaccine-induced Toxicity: CK(1130): AC(163)


Porcine circovirus type 2 (PCV2) vaccination of pregnant pigs may result in vertical transmission of PCV2 to the offspring. - GMI Summary


Article Published Date: Jun 01, 2009

Authors: D M Madson, A R Patterson, S Ramamourthy, N Pal, X J Meng, T Opriessnig

Study Type: Animal Study

Additional Links


Post-infection rabies vaccination increases mortality in mice. - GMI Summary

Pubmed Data: Comp Immunol Microbiol Infect Dis. 1988;11(2):139-42. PMID: 2972508

Article Published Date: Jan 01, 1988

Authors: J Blancou, D Sitte

Study Type: Animal Study

Additional Links

Diseases: Vaccine-induced Toxicity: CK(1130): AC(163)

Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%. - GMI Summary

Pubmed Data: J Wildl Dis. 1991 Apr;27(2):258-64. PMID: 1906114

Article Published Date: Apr 01, 1991

Authors: D S Davis, J W Templeton, T A Ficht, J D Huber, R D Angus, L G Adams

Study Type: Animal Study

Additional Links


Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies. - GMI Summary

Article Published Date: Jun 01, 2006
Authors: Boulos Botros, Adel Omar, Khairat Elian, Gihan Mohamed, Atef Soliman, Adel Salib, Diaa Salman, Magdi Saad, Kenneth Earhart
Study Type: Animal Study
Additional Links

Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does. - GMI Summary

Article Published Date: Jan 01, 2009
Authors: Samia Ahmed Kamal
Study Type: Animal Study
Additional Links

The intranasal innoculation of pregnant sows with porcine circovirus 2 results in abortion and reproductive failure. - GMI Summary

Article Published Date: Nov 01, 2009
Authors: J-S Park, J Kim, Y Ha, K Jung, C Choi, J-K Lim, S-H Kim, C Chae
Study Type: Animal Study
Additional Links
Diseases: Animal Diseases: Porcine Circovirus Type 2 (PCV2): CK(11) : AC(7)

The mercury containing vaccine adjuvant known as thimerosal has immunosuppressive and autoimmune effects in mice. - GMI Summary

Article Published Date: Apr 15, 2005
Authors: S Havarinasab, B Häggqvist, E Björn, K M Pollard, P Hultman
Study Type: Animal Study
Additional Links
Diseases: Autoimmune Diseases: CK(5317) : AC(779), Mercury Poisoning: CK(162) : AC(44), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312)

The use of animal cells in the production of vaccines may cause infection by endogenous retroviruses associated with chronic fatigue and prostate cancer. - GMI Summary

Article Published Date: May 01, 2010
Authors: Takayuki Miyazawa
The vaccination of pregnant sheep resulted in abortions and hydranencephaly. - GMI Summary

Pubmed Data: Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: 8825310
Article Published Date: Mar 01, 2005
Authors: M Flanagan, S J Johnson
Study Type: Animal Study

The vaccine adjuvant thimerosal induces adverse changes in the cerebellum of mice, lending plausibility to the association between autism and low-dose mercury exposure. - GMI Summary

Pubmed Data: Cell Biol Toxicol. 2009 Apr 9. PMID: 19357975
Article Published Date: Apr 09, 2009
Authors: Takeshi Minami, Eriko Miyata, Yamato Sakamoto, Hideo Yamazaki, Seiji Ichida

Vaccination of pregnant monkeys resulted in abortions in 2 out of 25. - GMI Summary

Article Published Date: Apr 01, 1991
Authors: A Escajadillo, J K Frenkel

Vaccine-induced immunity in pregnant pigs is not effective in preventing viremia in offspring. - GMI Summary

Article Published Date: Oct 01, 2009
Authors: D M Madson, A R Patterson, S Ramamoorthy, N Pal, X J Meng, T Opriessnig

Vaccine-induced scrapie has been reported in animals. - GMI Summary

Pubmed Data: J Gen Virol. 2003 Apr;84(Pt 4):1047-52. PMID: 12655108
Article Published Date: Apr 01, 2003
Vaccine-induced, simian immunodeficiency virus-specific CD8+ T cells reduce virus replication but do not protect from simian immunodeficiency virus disease progression. - GMI Summary

**Pubmed Data**: J Immunol. 2009 Jul 1;183(1):706-17. PMID: 19542473

**Article Published Date**: Jul 01, 2009

Authors: Jessica C Engram, Richard M Dunham, George Makedonas, Thomas H Vanderford, Beth Sumpter, Nichole R Klatt, Sarah J Ratcliffe, Seema Garg, Mirko Paiardini, Monica McQuoid, John D Altman, Silvija I Staprans, Michael R Betts, David A Garber, Mark B Feinberg, Guido Silvestri

Study Type: Animal Study

**Diseases**: Animal Diseases: Scrapie : CK(4) : AC(2)
Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Animal Model : CK(39) : AC(16)

"Adverse events associated with 17D-derived yellow fever vaccination--United States, 2001-2002." - GMI Summary

**Pubmed Data**: MMWR Morb Mortal Wkly Rep. 2002 Nov 8 ;51(44):989-93. PMID: 12455906

**Article Published Date**: Nov 08, 2002

Authors: Jessica C Engram, Richard M Dunham, George Makedonas, Thomas H Vanderford, Beth Sumpter, Nichole R Klatt, Sarah J Ratcliffe, Seema Garg, Mirko Paiardini, Monica McQuoid, John D Altman, Silvija I Staprans, Michael R Betts, David A Garber, Mark B Feinberg, Guido Silvestri

Study Type: Review

**Diseases**: Brain Inflammation : CK(79) : AC(35), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Animal Model : CK(39) : AC(16)

"Hypothesis: is Alzheimer's disease a metal-induced immune disorder?" - GMI Summary


**Article Published Date**: Feb 28, 1995

Authors: R A Armstrong, S J Winsper, J A Blair

Study Type: Review

**Problem Substances**: Aluminum : CK(166) : AC(43), Vaccine Adjuvants : CK(383) : AC(77)

"Mechanisms of aluminum adjuvant toxicity and autoimmunity in pediatric populations." - GMI Summary

**Pubmed Data**: Lupus. 2012 ;21(2):223-30. PMID: 22235057

**Article Published Date**: Jan 01, 2012

Authors: L Tomljenovic, Ca Shaw

Study Type: Review

**Diseases**: Aluminum Toxicity : CK(107) : AC(36), Autoimmune Diseases : CK(5317) : AC(779), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312)

**Problem Substances**: Aluminum : CK(166) : AC(43), Aluminum Hydroxide : CK(56) : AC(14), Vaccine Adjuvants : CK(383) : AC(77)

"New strategies for the elimination of polio from India." - GMI Summary
"Viral nucleic acids in live-attenuated vaccines: detection of minority variants and an adventitious virus." - GMI Summary

Acute disseminated encephalomyelitis (ADEM) may be caused by vaccination. - GMI Summary

Adjuvants in vaccines may trigger innate cells response by toll-like receptors, thus eliciting a possible non-IgE mediated allergy phenomenon or causing B-cell activation and autoimmunity. - GMI Summary

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis. - GMI Summary
**Anthrax vaccine development suffers from a wide range of potentially insurmountable problems. - GMI Summary**

**Pubmed Data**: Przegl Epidemiol. 2009;63(4):505-12. PMID: **20120948**

**Article Published Date**: Jan 01, 2009

**Authors**: Dorota Zakowska, Janusz Kocik, Michał Bartoszcze

**Study Type**: Review

**Additional Links**

**Diseases**: Anthrax

**Anti Therapeutic Actions**: Vaccination: All

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**Autism spectrum disorders are associated with vaccination, heavy metal toxicity and excitotoxicity. - GMI Summary**


**Article Published Date**: Nov 01, 2008

**Authors**: Russell L Blaylock

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autism Spectrum Disorders, Excitotoxicity, Vaccine-induced Toxicity

**Anti Therapeutic Actions**: Vaccination: All

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**Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection. - GMI Summary**

**Pubmed Data**: Ann Clin Psychiatry. 2009 Jul-Sep;21(3):148-61. PMID: **19758536**

**Article Published Date**: Jul 01, 2009

**Authors**: Vijendra K Singh

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autism, Autism Spectrum Disorders, Autoimmune Diseases

**Anti Therapeutic Actions**: Vaccination: All

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**Despite high coverage rates for primary immunization in infants and children pertussis incidence rates are increasing. - GMI Summary**

**Pubmed Data**: Pediatr Infect Dis J. 2005 May;24(5 Suppl):S10-8. PMID: **15876918**

**Article Published Date**: May 01, 2005

**Authors**: Tina Tan, Evelinda Trindade, Danuta Skowronska

**Study Type**: Review

**Additional Links**

**Diseases**: Pertussis

**Additional Keywords**: Vaccine Resistance

**Anti Therapeutic Actions**: Vaccination: All

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**Differential diagnosis of acute flaccid paralysis and its role in poliomyelitis surveillance. - GMI Summary**

**Pubmed Data**: Epidemiol Rev. 2000;22(2):298-316. PMID: **11218380**

**Article Published Date**: Jan 01, 2000

**Authors**: A Marx, J D Glass, R W Sutter

**Study Type**: Review

**Additional Links**
**Diseases**: Acute Flaccid Paralysis : CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Polio : CK(94) : AC(15)

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**DNA plasmid vaccines may carry under reported risks associated with structural instability.** - GMI Summary


**Article Published Date**: Aug 01, 2010

**Authors**: Pedro H Oliveira, Kristala Jones Prather, Duarte M F Prazeres, Gabriel A Monteiro

**Study Type**: Review

**Additional Links**

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Plasmid DNA Vaccines : CK(3) : AC(2)

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**DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome.** - GMI Summary


**Article Published Date**: Jul 01, 2010

**Authors**: Joseph Prandota

**Study Type**: Commentary

**Additional Links**

**Diseases**: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Urinary Tract Infections : CK(338) : AC(47), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

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**During the first five years of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women.** - GMI Summary


**Article Published Date**: Feb 15, 1976

**Authors**: M Siegel

**Study Type**: Review

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: Adult Rubella : CK(24) : AC(5), Vaccination: All : CK(3934) : AC(312)

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**Feline injection site-associated sarcoma is a serious problem associated with malignancy.** - GMI Summary


**Article Published Date**: Oct 05, 2006

**Authors**: Jolle Kirpensteijn

**Study Type**: Review

**Additional Links**

**Diseases**: Sarcoma : CK(36) : AC(21), Tumors : CK(199) : AC(110), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Animal Model : CK(39) : AC(16)

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**From 1990 to the present, the number of cases (n = 31) and deaths (n = 12) from the yellow fever vaccine in travelers has exceeded the reports of YF (n = 6) acquired by natural infection.** - GMI Summary


**Article Published Date**: Apr 01, 2012
**Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis. - GMI Summary**


**Article Published Date**: Jan 01, 2006

**Authors**: Yannick Comenge, Marc Girard

**Study Type**: Commentary

**Additional Links**
- **Diseases**: Demyelinating Diseases: CK(1278), AC(250), Hepatitis B: CK(226), AC(39), Multiple Sclerosis: CK(716), AC(133), Vaccine-induced Toxicity: CK(1130), AC(163)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934), AC(312), Vaccination: Yellow Fever: CK(13), AC(2)

**Hepatitis B vaccinations is associated with autoimmune hazards. - GMI Summary**


**Article Published Date**: Feb 01, 2005

**Authors**: Marc Girard

**Study Type**: Review

**Additional Links**
- **Diseases**: Autoimmune Diseases: CK(5317), AC(779), Hepatitis B: CK(226), AC(39), Vaccine-induced Toxicity: CK(1130), AC(163)

**Additional Keywords**: Molecular Mimicry: CK(47), AC(10)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934), AC(312), Vaccination: Hepatitis B: CK(347), AC(48)

**Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility. - GMI Summary**


**Article Published Date**: May 15, 2010

**Authors**: Joerg-Patrick Stübgen

**Study Type**: Review

**Additional Links**
- **Diseases**: Autoimmune Diseases: CK(5317), AC(779), Dermatomyositis: CK(44), AC(10), Myasthenia Gravis: CK(82), AC(14), Neuromuscular Diseases: CK(16), AC(4), Neuropathies: CK(426), AC(71), Polyarteritis Nodosa: CK(1), AC(1)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934), AC(312), Vaccination: Hepatitis B: CK(347), AC(48)

**HIV-1/AIDS may have been caused by contaminated polio vaccines grown in SIV infected chimpanzee kidney cells during the late 1950’s. - GMI Summary**


**Article Published Date**: Jan 28, 2010

**Authors**: E Hooper

**Study Type**: Commentary

**Additional Links**
- **Diseases**: Vaccine-induced Toxicity: CK(1130), AC(163)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934), AC(312)
In 2011, there were an extra 47,500 new cases of non-polio acute flaccid paralysis (NPAFP); Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio received. - GMI Summary

Article Published Date: Apr 01, 2012
Authors: Neetu Vashisht, Jacob Puliyel
Study Type: Review
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Polio : CK(94) : AC(15)

Infection and vaccines are triggers for autoimmune disease. - GMI Summary

Article Published Date: May 01, 2005
Authors: Vered Molina, Yehuda Shoenfeld
Study Type: Commentary
Additional Links
Diseases: Autoimmune Diseases : CK(5317) : AC(779), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Influenza vaccines may induce hepatitis-B virus-related vasculitis and severe neuropathy. - GMI Summary

Pubmed Data: J Cardiovasc Pharmacol. 2003 Sep;42(3):329-38. PMID: 18579284
Article Published Date: Sep 01, 2003
Authors: Yuko Wada, Chie Yanagihara, Yo Nishimura, Nobuyuki Oka
Study Type: Commentary
Additional Links
Diseases: Peripheral Neuropathies : CK(394) : AC(31), Vasculitis : CK(48) : AC(11)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

Measles vaccination in developing countries has resulted in higher infant mortality rates. - GMI Summary

Pubmed Data: BMJ. 1993 Nov 20;307(6915):1294-5. PMID: 8257878
Article Published Date: Nov 20, 1993
Authors: A J Hall, F T Cutts
Study Type: Review
Additional Links
Diseases: Child Mortality : CK(64) : AC(8), Measles : CK(193) : AC(8), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder. - GMI Summary

Pubmed Data: Med Hypotheses. 2003 May;60(5):650-3. PMID: 12710897
Article Published Date: May 01, 2003
Authors: Bijal K Mehta, Kerim M Munir
Study Type: Commentary
Additional Links
Additional Keywords: Molecular Mimicry : CK(47) : AC(10)
Mosquitoes are being engineered so that they can be used as flying syringes, capable of injecting malarial proteins into human subjects as an immunization strategy. - GMI Summary

Article Published Date : Aug 01, 2010
Authors : Hiroyuki Matsuoka, Tsunetaka Ikezawa, Makoto Hirai
Study Type : Commentary

Mycoplasma testing of cell substrates and biologics is often not performed due to the long turn around. - GMI Summary

Article Published Date : Apr 01, 2011
Authors : Dmitriy V Volokhov, Laurie J Graham, Kurt A Brorson, Vladimir E Chizhikov
Study Type : Review

Over 40,000 cases of AFP are reported annually since 2007 regardless of the number of actual polio cases. - GMI Summary

Article Published Date : Jan 01, 2012
Authors : Rie R Yotsu, Katharine Abba, Helen Smith, Abhijit Das
Study Type : Review

Provocation by vaccine injections can increase the risk of paralytic poliomyelitis by up to 25 fold. - GMI Summary

Article Published Date : Jan 01, 1986
Authors : H V Wyatt
Study Type : Review

Review: based on currently available research pneumoccal vaccination should not be recommended for large scale use in ear infection prone populations. - GMI Summary

Article Published Date : Jan 01, 2002
Authors : M Straetemans, E A Sanders, R H Veenhoven, A G Schilder, R A Damoiseaux, G A Zielhuis
Study Type : Review
Review: Biological safety concepts of genetically modified live bacterial vaccines. - GMI Summary

Article Published Date: Jul 26, 2007
Authors: Joachim Frey
Study Type: Review
Additional Links
Additional Keywords: GMO Vaccines: CK(1): AC(1)

Review: Plant-made Pharmaceuticals & Vaccines - GMI Summary

Article Published Date: Jan 01, 2011
Authors: David R Thomas, Claire A Penney, Amrita Majumder, Amanda M Walmsley
Study Type: Review
Additional Links
Additional Keywords: Edible Vaccines: CK(14): AC(12), Plant Vaccines: CK(1): AC(1)
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)

Review: possible adverse effects that are associated with smallpox vaccination. - GMI Summary

Article Published Date: Feb 21, 2003
Authors: Joanne Cono, Christine G Casey, David M Bell,
Study Type: Review
Additional Links
Pharmacological Actions: Antiviral Agents: CK(625): AC(293)

Swine flu vaccine adjuvants may cause harm in patients with autoimmune diseases such as multiple sclerosis. - GMI Summary

Article Published Date: Feb 18, 2010
Authors: Serefnur Oztürk
Study Type: Commentary
Additional Links
Diseases: Autoimmune Diseases: CK(5317): AC(779), Multiple Sclerosis: CK(716): AC(133)

The clinical development of a vaccines does not focus on effectiveness (whether a vaccine actually helps people) but efficacy (the successful elevation of antibody titers). - GMI Summary

Article Published Date: Jan 01, 1998
Authors: D S Fedson
Study Type: Commentary
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(3934): AC(312)
The demyelinating effect of hepatitis B vaccination could be due to the contamination of the vaccine by partial hepatitis B virus polymerase. - GMI Summary

Article Published Date : Jan 01, 2005
Authors : E Faure
Study Type : Commentary
Additional Links
Diseases : Autoimmune Diseases : CK(5317) : AC(779), Hepatitis B : CK(226) : AC(39), Multiple Sclerosis : CK(716) : AC(133)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

The development of human vaccines for anthrax has suffered from a number of technical challenges. - GMI Summary

Article Published Date : Dec 01, 2009
Authors : Leslie W Baillie
Study Type : Review
Additional Links
Diseases : Anthrax : CK(43) : AC(6)

The epidemic of autism may be linked to both vaccinations and mitochondrial diseases. - GMI Summary

Pubmed Data : Clin Exp Pharmacol Physiol. 2004 Dec;31 Suppl 2:S51-3 PMID: 19043939
Article Published Date : Dec 01, 2004
Authors : Stephanie F Cave
Study Type : Commentary
Additional Links
Additional Keywords : Diseases that are Linked : CK(2122) : AC(270)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312)

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin. - GMI Summary

Article Published Date : Jan 01, 2008
Authors : Burton A Waisbren
Study Type : Commentary
Additional Links
Diseases : Autism : CK(1262) : AC(65), Autoimmune Diseases : CK(5317) : AC(779), Demyelinating Diseases : CK(1278) : AC(250), Epstein-Barr Virus Infections : CK(100) : AC(43), Hepatitis B : CK(226) : AC(39)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

The HPV16 vaccine carries with it significant cross-reactivity risk due to the homologies that exist between the HPV and human proteome. - GMI Summary

Article Published Date : Jan 01, 2009
Authors : Darja Kanduc
Study Type : In Vitro Study
**The number of elective abortions following vaccination during pregnancy may be under-reported and could be substantial.** - GMI Summary


**Article Published Date**: May 02, 2008

**Authors**: Soju Chang, Robert Ball, M Miles Braun

**Study Type**: Review

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312)

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**The use of post-mortem tissues in the production of biologicals, vaccines and feedstuffs may be contributing to transmissible encephalopathies.** - GMI Summary

**Pubmed Data**: Dev Biol Stand. 1996;88:237-41. PMID: 9119144

**Article Published Date**: Jan 01, 1996

**Authors**: M M Robinson

**Study Type**: Review

**Additional Links**

**Diseases**: Encephalopathies: CK(11): AC(5)

**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312)

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**Transmissible spongiform encephalopathies may be passed iatrogenically through vaccines.** - GMI Summary

**Pubmed Data**: Dev Biol (Basel). 2001;106:455-9; discussion 460-1, 465-75. PMID: 11761262

**Article Published Date**: Jan 01, 2001

**Authors**: N R Cashman

**Study Type**: Commentary

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312)

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**Underestimation of central nervous system complications after pertussis immunization appears to be prevalent.** - GMI Summary


**Article Published Date**: Aug 01, 1991

**Authors**: W Ehrengut

**Study Type**: Review

**Additional Links**

**Diseases**: Pertussis: CK(142): AC(14)


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**Vaccination against novel H1N1 may accelerate atherogenesis (heart disease).** - GMI Summary


**Article Published Date**: Oct 23, 2009

**Authors**: Sucharit Bhakdi, Karl Lackner, Hans-Wilhelm Doerr

**Study Type**: Commentary
Vaccination for contraception. - GMI Summary

Authors: W R Jones
Study Type: Review

Vaccination may be contributing to autoimmune disease. - GMI Summary

Authors: Y Shoenfeld, A Aron-Maor
Study Type: Commentary

Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary

Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard
Study Type: Commentary

Vaccination proponents have suggested that breastfeeding should be delayed in order to prevent immune factors within breast milk from inactivating vaccine-associated antibody titer elevations and vaccine potency. - GMI Summary

Authors: Sung-Sil Moon, Yuhuan Wang, Andi L Shane, Trang Nguyen, Pratima Ray, Penelope Dennehy, Luck Ju Baek, Umesh Parashar, Roger I Glass, Baoming Jiang
Study Type: Commentary
Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children. - GMI Summary


Article Published Date: Apr 01, 2009

Authors: Donald A Drum

Study Type: Commentary

Additional Links


Additional Keywords: Thimerosal: CK(3) : AC(2)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Vaccines produced in chick embryo cells had significant reverse transcriptase activity. - GMI Summary


Article Published Date: Jul 23, 1998

Authors: T Maudru, K W Peden

Study Type: In Vitro Study

Additional Links

Diseases: Retroviruses: CK(7) : AC(1)

Additional Keywords: Endogenous Retroviruses: CK(53) : AC(12), Live Attenuated Vaccines: CK(5) : AC(2), Retroviruses: CK(10) : AC(10), Vaccine Contamination: CK(5) : AC(1)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312)

Viruses (wild-type or recombinant vaccine-type) can silently prime for and trigger central nervous system autoimmune disease. - GMI Summary


Article Published Date: Jun 01, 2001

Authors: D J Theil, I Tsunoda, F Rodriguez, J L Whitton, R S Fujinami

Study Type: Commentary

Additional Links

Diseases: Autoimmune Diseases: CK(5317) : AC(779), Multiple Sclerosis: CK(716) : AC(133)

Additional Keywords: Diseases that are Linked: CK(2122) : AC(270)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox): CK(164) : AC(20)

Topic: Vaccination: Hepatitis B

Male newborns vaccinated with hepatitis B prior to 1999 had a 3-fold higher risk for parentally reported autism. - GMI Summary


Article Published Date: Jan 01, 2010

Authors: Carolyn M Gallagher, Melody S Goodman

Study Type: Meta Analysis

Additional Links

Diseases: Autism: CK(1262) : AC(65)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem. - GMI Summary


Article Published Date: Aug 01, 2009
There are no randomized controlled trials that assessed the effects of hepatitis B vaccine during pregnancy for preventing infant infection. - GMI Summary

Vaccination is associated with a rare autoimmune neurological condition transverse myelitis. - GMI Summary

Vaccination is associated with an increased risk for hemolytic anemia. - GMI Summary

When polled 5% of nonpediatricians would not use Haemophilus influenzae type b vaccine if they had a child born in 2004. - GMI Summary

Acute hepatitis B can occur in those who are vaccinated against it and who are exposed through unprotected sexual contact and iatrogenically. - GMI Summary
C-reactive protein (CRP) elevation occur in infants without sepsis after hepatitis B vaccination. - GMI Summary


Hair mercury in breast-fed infants exposed to thimerosal-preserved vaccines indicates significant levels of exposure. - GMI Summary


Hepatitis B vaccination coverage has fallen to beneath 30% in France due to concerns over safety. - GMI Summary


Hepatitis B vaccination has been linked to autoimmune inflammatory polyneuropathy (PN). - GMI Summary

Pubmed Data: J Peripher Nerv Syst. 2002 Sep;7(3):163-7. PMID: 12365564

Hepatitis B vaccination is associated with a wide range of autoimmune
**Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of age.** - GMI Summary

**Pubmed Data** : Reprod Toxicol. 2002 May-Jun;16(3):237-43. PMID: 18843097

**Article Published Date** : May 01, 2002

**Authors** : Yann Mikaeloff, Guillaume Caridade, Samy Suissa, Marc Tardieu

**Study Type** : Human Study

**Diseases** : Demyelinating Diseases : CK(1278) : AC(250), Inflammation : CK(1077) : AC(363), Multiple Sclerosis : CK(716) : AC(133)

**Anti Therapeutic Actions** : Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Hepatitis B vaccination is associated with potentially neurotoxic mercury exposure in infants.** - GMI Summary

**Pubmed Data** : Chin Med. 2008 Mar 29;3:4. PMID: 10802503

**Article Published Date** : Mar 29, 2008

**Authors** : G V Stajich, G P Lopez, S W Harry, W R Sexson

**Study Type** : Human Study

**Diseases** : Mercury Poisoning : CK(162) : AC(44), Premature Birth : CK(412) : AC(43)

**Anti Therapeutic Actions** : Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein.** - GMI Summary


**Article Published Date** : Sep 01, 2005

**Authors** : Dimitrios-Petrou Bogdanos, Heather Smith, Yun Ma, Harold Baum, Giorgina Mieli-Vergani, Diego Vergani

**Study Type** : Human Study

**Diseases** : Autoimmune Diseases : CK(5317) : AC(779), Demyelinating Diseases : CK(1278) : AC(250), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Additional Keywords** : Hepatitis B Vaccine : CK(30) : AC(2), Molecular Mimicry : CK(47) : AC(10)

**Anti Therapeutic Actions** : Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

**Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.** - GMI Summary


**Article Published Date** : Jun 01, 2005
Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities. - GMI Summary

Pubmed Data: Hepatogastroenterology. 2002 Nov-Dec;49(48):1571-5. PMID: 12397738
Article Published Date: Nov 01, 2002
Authors: David A Geier, Mark R Geier

Hepatitis B vaccination with or without hepatitis B immunoglobulin at birth to babies born of HBsAg-positive mothers prevents overt HBV transmission but may not prevent occult HBV infection in babies: a randomized controlled trial. - GMI Summary

Article Published Date: Oct 31, 2013
Authors: C Pande, S K Sarin, S Patra, A Kumar, S Mishra, S Srivastava, K Bhuia, E Gupta, C K Mukhopadhayay, A K Dutta, S S Trivedi

Hepatitis B vaccine is associated with an increased risk of liver problems in U.S. children less than 6 years old, 1993 and 1994. - GMI Summary

Pubmed Data: Epidemiology. 1999 May;10(3):337-9. PMID: 10230847
Article Published Date: May 01, 1999
Authors: M A Fisher, S A Eklund

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children. - GMI Summary

Article Published Date: Jan 01, 2001
Authors: M A Fisher, S A Eklund, S A James, X Lin
Hepatitis B vaccine may have a possible association with the development of uveitis in some patients. - GMI Summary

Article Published Date: Mar 01, 2010
Authors: Frederick W Fraunfelder, Eric B Suhler, Frederick T Fraunfelder
Study Type: Human Study
Additional Links
Diseases: Uveitis: CK(63) : AC(10), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

In the US the highest number of cases of Guillain-Barre syndrome are associated with influenza and hepatitis B vaccines. - GMI Summary

Pubmed Data: J Clin Neuromuscul Dis. 2009 Sep;11(1):1-6. PMID: 19730016
Article Published Date: Sep 01, 2009
Authors: Nizar Souayah, Abu Nasar, M Fareed K Suri, Adnan I Qureshi
Study Type: Human Study
Additional Links
Diseases: Guillain-Barre Syndrome : CK(84) : AC(14), Vaccine-induced Toxicity : CK(1130) : AC(163)

Systemic lupus erythematosus related to hepatitis B vaccine has been reported. - GMI Summary

Article Published Date: Nov 01, 2009
Authors: N Agmon-Levin, Y Zafrir, Z Paz, T Shilton, G Zandman-Goddard, Y Shoenfeld
Study Type: Human Study
Additional Links
Diseases: Systemic Lupus Erythematosus : CK(387) : AC(54)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Thrombocytopenic purpura following vaccination in early childhood has been reported. - GMI Summary

Pubmed Data: J Chin Med Assoc. 2010 Dec;73(12):634-7. PMID: 21145511
Article Published Date: Dec 01, 2010
Authors: Yuh-Lin Hsieh, Lung-Huang Lin
Study Type: Human Study
Additional Links
Diseases: Purpura: Thrombocytopenic : CK(800) : AC(24), Vaccine-induced Toxicity : CK(1130) : AC(163)

Vaccination for DPT, Hepatitis B and influenza has been reported to be associated with the development of erythema multiforme in an infant. - GMI Summary

Pubmed Data: Indian J Dermatol Venereol Leprol. 2008 May-Jun;74(3):251-3. PMID: 18583795
Article Published Date: May 01, 2008
Authors: Sarvjit Kaur, Sanjeev Handa
Study Type: Human Study
Additional Links
A case of lethal inflammatory polyradiculoneuropathy with spinal cord involvement after hepatitis B vaccination. - GMI Summary

Pubmed Data: J Neurol Sci. 2001 May 1;186(1-2):81-5. PMID: 11412876
Article Published Date: May 01, 2001
Authors: E Sindern, J M Schröder, M Krismann, J P Malin
Study Type: Human: Case Report
Additional Links
Diseases: Acute Inflammatory Demyelinating Polyradiculoneuropathy: CK(87) : AC(1), Polyradiculoneuropathy: Acute Inflammatory: CK(87) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

A case of lethal status epilepticus and lymphocytic pneumonitis has been reported. - GMI Summary

Article Published Date: Jul 01, 2008
Authors: Jozélio Freire de Carvalho, Yehuda Shoenfeld
Study Type: Human: Case Report
Additional Links
Diseases: Epilepsy: CK(128) : AC(27), Pneumonitis: CK(18) : AC(4)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

Acute posterior multifocal placoid pigment epitheliopathy after hepatitis B vaccine has been reported. - GMI Summary

Pubmed Data: Arch Ophthalmol. 1995 Mar;113(3):297-300. PMID: 7887843
Article Published Date: Mar 01, 1995
Authors: A P Brézin, P Massin-Korobelnik, M Boudin, A Gaudric, P LeHoang
Study Type: Human: Case Report
Additional Links
Diseases: Acute Posterior Multifocal Placoid Pigment Epitheliopathy (APMPPE): CK(3) : AC(1), Chorioretinitis: CK(3) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B: CK(347) : AC(48)

Autoimmunity following hepatitis B vaccine has been reported. - GMI Summary

Pubmed Data: Lupus. 2012 Feb ;21(2):146-52. PMID: 22235045
Article Published Date: Jan 31, 2012
Authors: Y Zafrir, N Agmon-Levin, Z Paz, T Shilton, Y Shoenfeld
Study Type: Human: Case Report
Additional Links
Diseases: Autoimmune Diseases: CK(5317) : AC(779), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: Hepatitis B: CK(347) : AC(48)
Adverse Pharmacological Actions: Immunotoxic: CK(230) : AC(38)

Bell's palsy is a possible complication of hepatitis B vaccination in children. - GMI Summary

Article Published Date: Oct 01, 2009
Authors: Handan Alp, Hüseyin Tan, Zerrin Orbak
Study Type: Human: Case Report
Additional Links
**Cutaneous lupus erythematosus and buccal aphthosis after hepatitis B vaccination has been reported in a 6-year-old child** - GMI Summary


*Article Published Date:* Jan 01, 1996

*Authors:* P Grézard, M Chefaï, V Philippot, H Perrot, M Faisant

*Study Type:* Human: Case Report


**Guillain-Barré syndrome following hepatitis B vaccination has been reported.** - GMI Summary


*Article Published Date:* Nov 01, 2004

*Authors:* M Khamaisi, Y Shoenfeld, H Orbach

*Study Type:* Human: Case Report

*Diseases:* Guillain-Barre Syndrome: CK(84): AC(14)


**Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.** - GMI Summary


*Article Published Date:* Jan 01, 1990

*Authors:* Fu-Zhen Wang, Fu-Qiang Cui, Da-Wei Liu

*Study Type:* Human: Case Report


**Hepatitis B vaccine associated with dermatomyositis has been reported.** - GMI Summary


*Article Published Date:* Apr 01, 2008

*Authors:* Arie Altman, Martine Szyper-Kravitz, Yehuda Shoenfeld

*Study Type:* Human: Case Report

*Diseases:* Dermatomyositis: CK(44): AC(10), Vaccine-induced Toxicity: CK(1130): AC(163)


**Hepatitis B vaccine may induce myelitis in susceptible individuals.** - GMI Summary

*Pubmed Data:* Eur J Neurol. 2001 Nov;8(6):711-5. PMID: 11784358

*Article Published Date:* Nov 01, 2001

*Authors:* F Karaali-Savrun, A Altintaş, S Saip, A Siva

*Study Type:* Human: Case Report
Immune-mediated myelitis following hepatitis B vaccination has been reported.
- GMI Summary

Article Published Date : Apr 01, 2012
Authors: Joerg-Patrick Stübgen
Study Type: Human: Case Report
Additional Links
Diseases: Myelitis : CK(39) : AC(5), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Optic neuritis following hepatitis B vaccination has been reported. n - GMI Summary

Article Published Date : Nov 01, 2009
Authors: Muferet Erguven, Sirin Guven, Umit Akyuz, Olcay Bilgiç, Fuat Laloglu
Study Type: Human: Case Report
Additional Links
Diseases: Optic Neuritis : CK(23) : AC(3), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Simultaneous sudden infant death syndrome has been reported in twins two days after receiving multiple vaccinations. - GMI Summary

Pubmed Data : J Forensic Leg Med. 2007 Feb;14(2):87-91. PMID: 17654772
Article Published Date : Feb 01, 2007
Authors: Yasemin Balci, Mehmet Tok, B Kenan Kocaturk, Cinar Yenilmez, Coşkun Yirulmaz
Study Type: Human: Case Report
Additional Links
Diseases: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18)

Systemic lupus erythematosus has been triggered by hepatitis B vaccine. - GMI Summary

Article Published Date : Aug 01, 2010
Authors: D Santoro, G Vita, R Vita, A Mallamace, V Savica, G Bellinghieri, S Benvenga, S Gangemi
Study Type: Human: Case Report
Additional Links
Diseases: Systemic Lupus Erythematosus : CK(387) : AC(54)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year. - GMI Summary

Article Published Date : Nov 01, 2002
Authors: D A Geier, M R Geier
Hepatitis B vaccine alters the expression of 144 genes in the mouse liver within 1 day of vaccination, 7 of which are related to inflammation and metabolism. - GMI Summary

Article Published Date: Jun 21, 2011
Authors: Heyam Hamza, Jianhua Cao, Xinyun Li, Shuhong Zhao
Study Type: Animal Study
Diseases: Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Hepatitis B vaccine induces cell death in liver cells and mouse liver. - GMI Summary

Article Published Date: Jan 17, 2012
Authors: Heyam Hamza, Jianhua Cao, Xinyun Li, Changchun Li, Mengjin Zhu, Shuhong Zhao
Study Type: Animal Study
Diseases: Liver Damage : CK(597) : AC(213), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Newborn primates receiving mercury-containing hepatitis B vaccines exhibit neurodevelopmental delays. - GMI Summary

Article Published Date: Jan 01, 2010
Authors: Laura Hewitson, Lisa A Houser, Carol Stott, Gene Sackett, Jaime L Tomko, David Atwood, Lisa Blue, E Railey White
Study Type: Animal Study
Diseases: Hepatitis B : CK(226) : AC(39), Vaccine-induced Toxicity : CK(1130) : AC(163)

Hepatitis B vaccination has the potential to induce central demyelinating disorders such as multiple sclerosis. - GMI Summary

Article Published Date: Jan 01, 2006
Authors: Yannick Comenge, Marc Girard
Study Type: Commentary
Diseases: Demyelinating Diseases : CK(1278) : AC(250), Hepatitis B : CK(226) : AC(39), Multiple Sclerosis : CK(716) : AC(133), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48)

Hepatitis B vaccinations is associated with autoimmune hazards. - GMI
Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility. - GMI Summary

The demyelinating effect of hepatitis B vaccination could be due to the contamination of the vaccine by partial hepatitis B virus polymerase. - GMI Summary

The hepatitis B vaccine may induce autoimmune demyelinating disease through the molecular mimicry that exists between the vaccine antigen, Epstein-Barr virus and human myelin. - GMI Summary

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions. - GMI Summary
**Vaccination may contribute to causing a wide variety of autoimmune disorders.**

- **GMI Summary**

**Pubmed Data**: Discov Med. 2010 Feb;9(45):90-7. PMID: 20193633

**Article Published Date**: Feb 01, 2010

**Authors**: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

**Study Type**: Commentary

**Diseases**:
- Autoimmune Diseases: CK(5317) : AC(779)
- Guillain-Barre Syndrome: CK(84) : AC(14)
- Human Papillomavirus (HPV): CK(153) : AC(22)
- Inflammatory Myopathy: CK(81) : AC(5)
- Macrophagic myofasciitis: CK(15) : AC(3)
- Multiple Sclerosis: CK(716) : AC(133)
- Rheumatoid Arthritis: CK(424) : AC(64)
- Systemic Lupus Erythematosus: CK(387) : AC(54)
- Vaccine-induced Toxicity: CK(1130) : AC(163)
- Vasculitis: CK(48) : AC(11)

**Anti Therapeutic Actions**:
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Diphtheria-Pertussis-Tetanus: CK(283) : AC(31)
- Vaccination: Haemophilus Influenzae: CK(32) : AC(4)
- Vaccination: Hepatitis B: CK(347) : AC(48)
- Vaccination: HPV (Gardisil): CK(105) : AC(13)
- Vaccination: Influenza: CK(356) : AC(37)
- Vaccination: Lyme disease: CK(11): AC(2)
- Vaccination: Mumps-Measles-Rubella (MMR): CK(228) : AC(26)
- Vaccination: Rabies: CK(4) : AC(3)
- Vaccination: Rotavirus: CK(33) : AC(6)
- Vaccination: Tetanus: CK(48) : AC(8)
- Vaccination: Varicella (Chicken pox): CK(164) : AC(20)

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**DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.**

- **GMI Summary**

**Pubmed Data**: J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: 10714532

**Article Published Date**: Feb 01, 2000

**Authors**: E L Hurwitz, H Morgenstern

**Study Type**: Meta Analysis

**Diseases**:
- Allergies: CK(502) : AC(92)
- Allergies: Childhood: CK(70) : AC(5)
- Asthma: CK(918) : AC(134)
- Hypersensitivity: CK(64) : AC(15)
- Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**:
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Diphtheria-Pertussis-Tetanus: CK(283) : AC(31)
- Vaccination: Polio: CK(94) : AC(15)

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**Vaccination in infants less than 3 months is associated with an increased risk of sudden infant death syndrome.**

- **GMI Summary**


**Article Published Date**: Jan 01, 1995

**Authors**: A P Jonville-Bera, E Autret, J Laugier

**Study Type**: Meta Analysis

**Diseases**:
- Sudden Infant Death Syndrome (SIDS): CK(138) : AC(18)
- Vaccine-induced Toxicity: CK(1130) : AC(163)

**Anti Therapeutic Actions**:
- Vaccination: All: CK(3934) : AC(312)
- Vaccination: Diphtheria-Pertussis-Tetanus: CK(283) : AC(31)
- Vaccination: Polio: CK(94) : AC(15)

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**Vaccination is associated with a rare autoimmune neurological condition transverse myelitis.**

- **GMI Summary**

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Vaccination is associated with an increased risk for hemolytic anemia. - GMI Summary

Acute necrotizing encephalopathy secondary to diphtheria, tetanus toxoid and whole-cell pertussis vaccination has been reported. - GMI Summary

Adverse effects of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine in 6- to 7-year-old children. - GMI Summary

Among female infants, those who receive both BCG and DTP vaccines experience higher mortality than those who receive only one of the two vaccines. - GMI Summary
**Breastfeeding attenuates reductions in energy intake induced by a mild immunologic stimulus represented by DPTH immunization.** - GMI Summary


**Article Published Date**: Jun 01, 2002

**Authors**: Mardya López-Alarcón, Cutberto Garza, Jean-Pierre Habicht, Lourdes Martínez, Virginia Pegueros, Salvador Villalpando

**Study Type**: Human Study

**Additional Links**

**Substances**: Breast Milk : CK(428) : AC(49)

**Diseases**: Vaccine-induced Toxicity : CK(1130) : AC(163)

**Therapeutic Actions**: Breastfeeding : CK(739) : AC(77)

**Pharmacological Actions**: Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(971) : AC(348)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

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**Despite the CDC's current recommendation to vaccinate postpartum women before hospital discharge with the tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine in order to prevent pertussis infection in their offspring, it does not reduce** - GMI Summary


**Article Published Date**: Nov 10, 2011

**Authors**: Luis A Castagnini, C Mary Healy, Marcia A Rench, Susan H Wootton, Flor M Munoz, Carol J Baker

**Study Type**: Human Study

**Additional Links**

**Diseases**: Pertussis : CK(142) : AC(14), Whooping Cough : CK(66) : AC(7)


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**Diphtheria-tetanus-pertussis vaccine administered simultaneously with measles vaccine is associated with increased morbidity and poor growth in girls.** - GMI Summary


**Article Published Date**: Jan 10, 2011

**Authors**: J Agergaard, E Nante, G Poustrup, J Nielsen, K L Flanagan, L Østergaard, C S Benn, P Aaby

**Study Type**: Human Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1130) : AC(163)


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**DPT vaccines have been associated with recurrent seizures.** - GMI Summary


**Article Published Date**: Oct 01, 1984

**Authors**: J V Murphy, L D Sarff, K M Marquardt

**Study Type**: Human Study

**Additional Links**

**Diseases**: Pertussis : CK(142) : AC(14), Seizures : CK(122) : AC(28), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

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**Hair mercury in breast-fed infants exposed to thimerosal-preserved vaccines indicates significant levels of exposure.** - GMI Summary
Incidence of adverse reactions to vaccines in pediatric populations are under-reported and may be as high as 43.4% for certain vaccine combinations. - GMI

Pertussis epidemic despite high levels of vaccination coverage with acellular pertussis vaccine. - GMI

Since the 1993 pertussis epidemic in Cincinnati occurred primarily among children who had been appropriately immunized, it is clear that the whole-cell pertussis vaccine failed to give full protection against the disease. - GMI

Sudden infant death syndrome and DTP vaccine timing may be linked. - GMI
Sudden Infant Death syndrome mortality rate in the period zero to three days following DTP was found to be 7.3 times higher than in the period 30 days after immunization. - GMI Summary

Article Published Date : Aug 01, 1987
Authors : A M Walker, H Jick, D R Perera, R S Thompson, T A Knauss
Study Type : Human Study
Additional Links
Diseases : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects. - GMI Summary

Article Published Date : Jan 01, 2011
Authors : Mogens Helweg Claesson
Study Type : Human Study
Additional Links
Problem Substances : Adjuvant : CK(18) : AC(6), Aluminum Hydroxide : CK(56) : AC(14), Vaccine Adjuvants : CK(383) : AC(77)

The combination of MMR and DTaP-Hib-IPV vaccination is associated with significantly increased rates of adverse effects. - GMI Summary

Article Published Date : Sep 01, 2009
Authors : Elena Shneyer, Avshalom Strulov, Yaakov Rosenfeld
Study Type : Human Study
Additional Links

The use of misoprostol for early pregnancy failure after failed expectant management is less costly than curettage. - GMI Summary

Article Published Date : Apr 01, 2005
Authors : G C M Graziosi, J W van der Steeg, P H W Reuwer, A P Drogter, H W Bruinse, B W J Mol
Study Type : Human Study
Additional Links
Diseases : Miscarriage : CK(507) : AC(35), Miscarriage: Medical Intervention : CK(125) : AC(14)
Additional Keywords : Surgical Alternatives : CK(20) : AC(2)
Anti Therapeutic Actions : Obstetric Interventions : CK(989) : AC(64), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

Thrombocytopenic purpura following vaccination in early childhood has been reported. - GMI Summary

Pubmed Data : J Chin Med Assoc. 2010 Dec;73(12):634-7. PMID: 21145511
Article Published Date : Dec 01, 2010
**Vaccination timing and co-administration may be associated with increased mortality, especially in females.** - GMI Summary


Article Published Date: May 29, 2006

Authors: Peter Aaby, Henrik Jensen, Gijs Walraven

Study Type: Human Study

Additional Links


**Vaccination with measles after DTP and polio vaccine is associated with 2-fold increase in female mortality.** - GMI Summary


Article Published Date: Mar 01, 2007

Authors: Peter Aaby, May-Lill Garly, Jens Nielsen, Henrik Ravn, Cesario Martins, Carlitos Balé, Amabelia Rodrigues, Christine Stabell Benn, Ida Maria Lisse

Study Type: Human Study

Additional Links


**In 1985 twin boys simultaneously succumbed to sudden unexpected deaths two to three hours after vaccination with diphtheria, tetanus, and pertussis vaccine (DTP).** - GMI Summary


Article Published Date: Jul 01, 1987

Authors: S C Roberts

Study Type: Human: Case Report

Additional Links

Diseases: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1130) : AC(163)


**Simultaneous sudden infant death syndrome has been reported in twins two days after receiving multiple vaccinations.** - GMI Summary

Pubmed Data: J Forensic Leg Med. 2007 Feb;14(2):87-91. PMID: 17654772

Article Published Date: Feb 01, 2007

Authors: Yasemin Balci, Mehmet Tok, B Kenan Kocaturk, Cinar Yenilmez, Coşkun Yirulmaz

Study Type: Human: Case Report

Additional Links

Diseases: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18)


**Despite high coverage rates for primary immunization in infants and children, pertussis incidence rates are increasing.** - GMI Summary
DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome. - GMI Summary

Provocation by vaccine injections can increase the risk of paralytic poliomyelitis by up to 25 fold. - GMI Summary

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions. - GMI Summary

Underestimation of central nervous system complications after pertussis immunization appears to be prevalent. - GMI Summary
Vaccination may contribute to causing a wide variety of autoimmune disorders.
- GMI Summary

**Vaccination: Influenza**

Inactivated flu vaccines have not been proven to be effective or safe in preventing influenza in healthy children under two.
- GMI Summary

**Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.**
- GMI Summary

Maternal influenza vaccination during pregnancy does not reduce the incidence of acute respiratory illness visits among infants.
- GMI Summary
The effectiveness of the 2008-2009 seasonal flu vaccine in England was -6%.

- GMI Summary

Article Published Date: Jan 31, 2011
Authors: Richard Pebody, Nick Andrews, Pauline Waight, Rashmi Malkani, Christine McCartney, Joanna Ellis, Elizabeth Miller
Study Type: Meta Analysis

There is a lack of evidence for the effectiveness of influenza vaccines in adults aged 65 years or older.

- GMI Summary

Article Published Date: Oct 25, 2011
Authors: Michael T Osterholm, Nicholas S Kelley, Alfred Sommer, Edward A Belongia
Study Type: Meta Analysis

There is currently no evidence from randomised studies that influenza vaccine given to people with CF is of benefit to them.

- GMI Summary

Article Published Date: Oct 07, 2009
Authors: Poonam Dharmaraj, Rosalind L Smyth
Study Type: Meta Analysis

There is little evidence supporting the belief that vaccines are effective in preventing influenza in healthy adults.

- GMI Summary

Article Published Date: Jan 01, 2010
Authors: Tom Jefferson, Carlo Di Pietrantonj, Alessandro Rivetti, Ghada A Bawazeer, Lubna A Al-Ansary, Eliana Ferroni
Study Type: Meta Analysis

There is no solid evidence available supporting the belief that vaccines are effective in preventing influenza in the elderly.

- GMI Summary

Article Published Date: Jan 01, 2010
Authors: Tom Jefferson, Carlo Di Pietrantonj, Lubna A Al-Ansary, Eliana Ferroni, Sarah Thorning, Roger E Thomas
Study Type: Meta Analysis
We concluded that there is no credible evidence that vaccination of healthy people under the age of 60, who are healthcare workers caring for the elderly, affects influenza complications in those cared for. - GMI Summary

Annual influenza vaccination hampers the development of virus-specific CD8(+) T cell responses necessary to protect against influenza infection. - GMI Summary

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth. - GMI Summary

In the US the highest number of cases of Guillain-Barre syndrome are associated with influenza and hepatitis B vaccines. - GMI Summary
**Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events. - GMI Summary**

Pubmed Data: J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: 20964738

Article Published Date: Sep 01, 2010

Authors: Gaetano A Lanza, Lucy Barone, Giancarla Scalone, Dario Pitocco, Gregory A Sgueglia, Roberto Mollo, Roberto Nerla, Francesco Zaccardi, Giovanni Ghirlanda, Filippo Crea

Study Type: Human Study

Additional Links


Pharmacological Actions: Interleukin-6 upregulation: CK(26): AC(7)


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**Influenza vaccination does not prevent ischemic stroke and it does not reduce the rate of acute previous infections in stroke patients. - GMI Summary**


Article Published Date: Jan 01, 2008

Authors: G Piñol-Ripoll, I de la Puerta, S Santos, F Purroy, E Mostacero

Study Type: Human Study

Additional Links

Diseases: Stroke: Prevention: CK(143): AC(20)


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**Influenza vaccines may be causing vasculitis. - GMI Summary**


Article Published Date: Aug 01, 2000

Authors: Rainer Birck, Isabelle Kaelsch, Peter Schnuelle, Luis Felipe Flores-Suárez, Rainer Nowack

Study Type: Human Study

Additional Links


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**Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons. - GMI Summary**


Article Published Date: Nov 01, 2009

Authors: Peter G Szilagyi, Gerry Fairbrother, Marie R Griffin, Richard W Hornung, Stephanie Donauer, Ardythe Morrow, Mekibib Altaye, Yuwei Zhu, Sandra Ambrose, Kathryn M Edwards, Katherine A Poehling, Geraldine Lothrus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat

Study Type: Human Study

Additional Links


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**Influenza-related mortality is not prevented with increasing vaccination coverage. - GMI Summary**


Article Published Date: Oct 30, 2006
Prior receipt of seasonal flu vaccine (2008-09) was associated with increased risk of medically attended pandemic H1N1 illness (2008-09). - GMI Summary

Seasonal influenza vaccine (2008-2009) is associated with an increased risk of influenza-like illness from pandemic H1N1 infection. - GMI Summary

Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination. - GMI Summary

Vaccination for DPT, Hepatitis B and influenza has been reported to be associated with the development of erythema multiforme in an infant. - GMI Summary
**Diseases**: Erythema : CK(44) : AC(6), Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Hepatitis B : CK(347) : AC(48), Vaccination: Influenza : CK(356) : AC(37)

**Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.** - GMI Summary

**Pubmed Data**: Arch Intern Med. 2005 Feb 14;165(3):265-72. PMID: [15710788](https://doi.org/10.1001/archinte.165.3.265)

**Article Published Date**: Feb 14, 2005

**Authors**: Lone Simonsen, Thomas A Reichert, Cecile Viboud, William C Blackwelder, Robert J Taylor, Mark A Miller

**Study Type**: Human Study

**Additional Links**
- H1N1 Infection : CK(467) : AC(87)
- Influenza : CK(654) : AC(102)
- Influenza A : CK(305) : AC(73)
- Swine Flu Associated Virus : CK(156) : AC(33)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Zinc supplementation has a beneficial effect on malaise, one of the influenza vaccine associated adverse events, and decrease serum TNF-α levels.** - GMI Summary


**Article Published Date**: Apr 21, 2011

**Authors**: S Songül Yalçın, Defne Engür-Karasimav, Dursun Alehan, Kadriye Yurdakök, Süheyla Ozkutlu, Turgay Coşkun

**Study Type**: Human Study

**Additional Links**
- Zinc : CK(870) : AC(127)
- Vaccine-induced Toxicity : CK(1130) : AC(163)

**Pharmacological Actions**: Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(971) : AC(348)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**A case of influenza vaccine induced have necrotizing glomerulonephritis in decursu vasculitis has been reported.** - GMI Summary


**Article Published Date**: Jul 01, 2005

**Authors**: Lidia Hyla-Klekot, Grazyna Kucharska, Witold Cieslak

**Study Type**: Human: Case Report

**Additional Links**
- Glomerulonephritis : CK(41) : AC(9)
- Vasculitis : CK(48) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Acute transverse myelitis after influenza vaccination has been reported.** - GMI Summary


**Article Published Date**: Oct 01, 1996

**Authors**: R Bakshi, J C Mazziotta

**Study Type**: Human: Case Report

**Additional Links**
- Myelitis : CK(39) : AC(5)
- Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Autoimmune hemolytic anemia following MF59-adjuvanted influenza vaccine has been reported.** - GMI Summary
**Case report: a shoulder injury related to vaccine administration.** - GMI Summary

- **Article Published Date**: Oct 31, 2012
- **Authors**: Matthew G Barnes, Christopher Ledford, Karen Hogan
- **Study Type**: Human: Case Report
- **Diseases**: Shoulder Injuries : CK(23) : AC(2), Vaccine-induced Toxicity : CK(1130) : AC(163)
- **Anti Therapeutic Actions**: Vaccination: Influenza : CK(356) : AC(37)

**Delayed focal lipoatrophy after AS03-adjuvanted influenza A (H1N1) 2009 vaccine has been reported.** - GMI Summary

- **Pubmed Data**: Vaccine. 2010 Dec 17. Epub 2010 Dec 17. PMID: 21172376
- **Article Published Date**: Dec 17, 2010
- **Authors**: Emilie Javelle, Benjamin Soulier, Christian Brosset, Solène Lorcy, Fabrice Simon
- **Study Type**: Human: Case Report
- **Diseases**: Lipoatrophy : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.** - GMI Summary

- **Article Published Date**: Jul 22, 2011
- **Authors**: H Yasuda, M Nagata, H Moriyama, H Kobayashi, T Akisaki, H Ueda, K Hara, K Yokono
- **Study Type**: Human: Case Report
- **Diseases**: Autoimmune Diseases : CK(5317) : AC(779), Diabetes Mellitus: Type 1 : CK(1173) : AC(218), Thrombocytopenia : CK(800) : AC(25), Vaccine-induced Toxicity : CK(1130) : AC(163)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.** - GMI Summary

- **Article Published Date**: Jul 01, 2010
- **Authors**: Marie-Eve Tremblay, Aurélie Closon, Guy D'Anjou, Jean-François Bussières
- **Study Type**: Human: Case Report
- **Diseases**: Childhood Infections : CK(275) : AC(29), Guillain-Barre Syndrome : CK(84) : AC(14), Influenza : CK(654) : AC(102), Vaccine-induced Toxicity : CK(1130) : AC(163)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Influenza : CK(356) : AC(37)

**H1N1 vaccination has been linked to possible new-onset seizure.** - GMI Summary
**Influenza vaccination has been reported to cause miller fisher syndrome.** - GMI Summary

Article Published Date: Oct 01, 2011
Authors: Ashkan Shoamanesh, Kristine Chapman, Anthony Traboulsee
Study Type: Human: Case Report

**Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.** - GMI Summary

Article Published Date: May 01, 2000
Authors: E Plotkin, J Bernheim, S Ben-Chetrit, A Mor, Z Korzets
Study Type: Human: Case Report

**Transverse myelitis has been reported in association with a nasal attenuated novel influenza A(H1N1) vaccine.** - GMI Summary

Article Published Date: Aug 01, 2010
Authors: Wafa Akkad, Bassel Salem, Jerome W Freeman, Mark K Huntington
Study Type: Human: Case Report

**Influenza vaccines may induce hepatitis-B virus-related vasculitis and severe neuropathy.** - GMI Summary

Pubmed Data: J Cardiovasc Pharmacol. 2003 Sep;42(3):329-38. PMID: 18579284
Article Published Date: Sep 01, 2003
Authors: Yuko Wada, Chie Yanagihara, Yo Nishimura, Nobuyuki Oka
Study Type: Commentary
Swine flu vaccine adjuvants may cause harm in patients with autoimmune diseases such as multiple sclerosis. - GMI Summary

Article Published Date: Feb 18, 2010
Authors: Serefnur Oztürk
Study Type: Commentary
Diseases: Autoimmune Diseases: CK(5317) : AC(779), Multiple Sclerosis: CK(716) : AC(133)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Influenza: CK(356) : AC(37)

Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary

Article Published Date: Feb 01, 2010
Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard
Study Type: Commentary

"The design and reporting of safety outcomes in MMR vaccine studies, both pre- and post-marketing, are largely inadequate." - GMI Summary

Article Published Date: Dec 31, 2011
Authors: Vittorio Demicheli, Alessandro Rivetti, Maria Grazia Debalini, Carlo Di Pietrantonj
Study Type: Meta Analysis
Diseases: Measles: CK(193) : AC(8), Mumps: CK(41) : AC(1), Rubella: CK(54) : AC(4)
Additional Keywords: Rubella: CK(54) : AC(4), Vaccine Safety: CK(21) : AC(2)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR): CK(228) : AC(26)

Thimerosol-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders. - GMI Summary

Article Published Date: Mar 01, 2004
Authors: David A Geier, Mark R Geier
Study Type: Meta Analysis
Diseases: Autism: CK(1262) : AC(65), Autism Spectrum Disorders: CK(1160) : AC(112), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR): CK(228) : AC(26)
Vaccination is associated with a rare autoimmune neurological condition transverse myelitis. - GMI Summary

Pubmed Data: Lupus. 2009 Nov;18(13):1198-204. PMID: 19880568

Authors: N Agmon-Levin, S Kivity, M Szyper-Kravitz, Y Shoenfeld

Study Type: Meta Analysis


Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease. - GMI Summary


Authors: Thomas Verstraeten, Aisha O Jumaan, John P Mullooly, Jane F Seward, Hector S Izurieta, Frank DeStefano, Steven B Black, Robert T Chen

Study Type: Human Study

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

Autistic children have elevated levels of measles antibodies indicating that measles vaccination may be causing autoimmunity in these children. - GMI Summary


Authors: Vijendra K Singh, Ryan L Jensen

Study Type: Human Study

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

Children vaccinated with MMR before age 10 are at significantly higher risk of multiple sclerosis. - GMI Summary


Authors: Cecilia Ahlgren, Kjell Torén, Anders Odén, Oluf Andersen

Study Type: Human Study

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

Combined MMR and varicella live vaccine is associated with higher rates of febrile convolution than giving the vaccines separately. - GMI Summary


Authors: Steven J Jacobsen, Bradley K Ackerson, Lina S Sy, Trung N Tran, Tonia L Jones, Janis F Yao, Fagen Xie, T Craig Cheetham, Patricia Saddier

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**Fifty-one percent of cases of patients in a 1998/1999 mumps outbreak had at least one MMR vaccination, indicating their effectiveness may be overestimated.** - GMI Summary

**Pubmed Data**: Vaccine. 2005 Jul 1;23(31):4070-4. PMID: 15950329

**Article Published Date**: Jun 30, 2005

**Authors**: Richard Harling, Joanne M White, Mary E Ramsay, Karen F Macsween, Corry van den Bosch

**Study Type**: Human Study

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**Incidence of adverse reactions to vaccines in pediatric populations are under-reported and may be as high as 43.4% for certain vaccine combinations.** - GMI Summary

**Pubmed Data**: Clin Drug Investig. 2004;24(8):457-63. PMID: 17523706

**Article Published Date**: Jan 01, 2004

**Authors**: Pilar Carrasco-Garrido, Carmen Gallardo-Pino, Rodrigo Jiménez-Garcia, Miguel A Tapia, Angel Gil de Miguel

**Study Type**: Human Study

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**Measles virus DNA from the MMR vaccine has been found in peripheral mononuclear cells in patients with ulcerative colitis and children with autism, indicating its possible role in the pathogenesis of these disorders.** - GMI Summary


**Article Published Date**: Apr 01, 2000

**Authors**: H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield

**Study Type**: Human Study

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**Measles, mumps, and rubella catch up immunisation in a measles epidemic did not appear to confer protection and was associated with a variety of new side effects of the vaccine.** - GMI Summary

**Pubmed Data**: BMJ. 1995 Jun 24;310(6995):1629-32. PMID: 7795447

**Article Published Date**: Jun 23, 1995

**Authors**: R J Roberts, Q D Sandifer, M R Evans, M Z Nolan-Farrell, P M Davis

**Study Type**: Human Study

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Measles-mumps-rubella vaccine that is given in the second year of life is associated with an increased risk of immune thrombocytopenia purpura. - GMI Summary

Article Published Date: Mar 01, 2008
Authors: Eric K France, Jason Glanz, Stanley Xu, Simon Hambidge, Kristi Yamasaki, Steve B Black, Michael Marcy, John P Mullooly, Lisa A Jackson, James Nordin, Edward A Belongia, K Hohman, Robert T Chen, Robert Davis,
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

MMR vaccination is associated with an increased risk for idiopathic thrombocytopenic purpura. - GMI Summary

Article Published Date: Jan 01, 2003
Authors: Corri Black, James A Kaye, Hershel Jick
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

MMR vaccination is associated with an increased risk of developing acute immune thrombocytopenia in childhood. - GMI Summary

Article Published Date: Jan 01, 2010
Authors: Federica Bertuola, Carla Morando, Francesca Menniti-Ippolito, Roberto Da Cas, Annalisa Capuano, Giorgio Perilongo, Liviana Da Dalt
Study Type: Human Study
Additional Links
Diseases: Thrombocytopenia : CK(800) : AC(25)
Anti Therapeutic Actions: Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

The combination of MMR and DTaP-Hib-IPV vaccination is associated with significantly increased rates of adverse effects. - GMI Summary

Article Published Date: Sep 01, 2009
Authors: Elena Shneyer, Avshalom Strulov, Yaakov Rosenfeld
Study Type: Human Study
Additional Links

The measles-mumps-rubella vaccine causes autoantibodies to be formed against myelin basic protein (the protective coating of the nerves) contributing to the pathogenesis of autism. - GMI Summary

Article Published Date: Jul 01, 2002
Authors: Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson
**Thrombocytopenic purpura following vaccination in early childhood has been reported. - GMI Summary**

**Pubmed Data**: J Chin Med Assoc. 2010 Dec;73(12):634-7. PMID: 21145511

**Article Published Date**: Dec 01, 2010

**Authors**: Yuh-Lin Hsieh, Lung-Huang Lin

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Purpura: Thrombocytopenic : CK(800) : AC(24)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312)

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**Vaccination timing and co-administration may be associated with increased mortality, especially in females. - GMI Summary**

**Pubmed Data**: Vaccine. 2006 May 29;24(22):4701-8. Epub 2006 Mar 31. PMID: 16621182

**Article Published Date**: May 29, 2006

**Authors**: Peter Aaby, Henrik Jensen, Gijs Walraven

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Vaccine-induced Toxicity : CK(1130) : AC(163)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

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**Vaccination-associated adverse events occur in approximately 1 of every 6 toddlers receiving measles-mumps-rubella vaccine dose 1, with high fever occurring in 1 of 20 - GMI Summary**


**Article Published Date**: Oct 01, 2006

**Authors**: Charles W LeBaron, Daoling Bi, Bradley J Sullivan, Carol Beck, Paul Gargiullo

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Vaccine-induced Toxicity : CK(1130) : AC(163)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

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**Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination. - GMI Summary**

**Pubmed Data**: J Neurosci Res. 2001 Sep 1;65(5):446-54. PMID: 11536329

**Article Published Date**: Sep 01, 2001

**Authors**: C Besson Duvanel, P Honegger, J M Matthieu

**Study Type**: Animal Study

**Additional Links**

- **Diseases**: Demyelinating Diseases : CK(1278) : AC(250), Multiple Sclerosis : CK(716) : AC(133)
- **Additional Keywords**: Molecular Mimicry : CK(47) : AC(10)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

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**Aborted fetal cells (diploid) have been used to create the rubella, measles,
mumps, rabies, polio, smallpox, hepatitis A, chickenpox, and herpes zoster vaccines. - GMI Summary

Article Published Date: May 01, 2008
Authors: José Luís Redondo Calderón
Study Type: Review
Additional Keywords: Diploid Cell Vaccines: CK(1) : AC(1)

Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection. - GMI Summary

Article Published Date: Jul 01, 2009
Authors: Vijendra K Singh
Study Type: Commentary
Additional Links: Diseases: Autism: CK(1262) : AC(65), Autism Spectrum Disorders: CK(1160) : AC(112), Autoimmune Diseases: CK(5317) : AC(779)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

Biological assays lend support to the association between measles virus or MMR and autism. - GMI Summary

Article Published Date: Jan 31, 2005
Authors: Jane E Libbey, Thayne L Sweeten, William M McMahon, Robert S Fujinami
Study Type: Review
Additional Links: Diseases: Autism Spectrum Disorders: CK(1160) : AC(112)
Anti Therapeutic Actions: Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

MMR vaccine may induce autoantibody formation against the gut (secretin or its receptor) and/or the brain, contributing to the pathogenesis of autism-spectrum disorder. - GMI Summary

Pubmed Data: Med Hypotheses. 2003 May;60(5):650-3. PMID: 12710897
Article Published Date: May 01, 2003
Authors: Bijal K Mehta, Kerim M Munir
Study Type: Commentary
Additional Keywords: Molecular Mimicry : CK(47) : AC(10)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Mumps-Measles-Rubella (MMR) : CK(228) : AC(26)

The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions. - GMI Summary

Article Published Date: May 25, 1994
Authors: K R Stratton, C J Howe, R B Johnston
Study Type: Review
Additional Links


**Vaccination may contribute to causing a wide variety of autoimmune disorders.**

- GMI Summary


Article Published Date: Feb 01, 2010

Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type: Commentary

**Additional Links**


**Topic:** Vaccination: Varicella (Chicken pox)

**Administration of varicella vaccine before the age of 15 months, and the prescription of oral steroids, may be associated with a slightly increased risk of breakthrough disease.** - GMI Summary


Article Published Date: Aug 01, 2003

Authors: Thomas Verstraeten, Aisha O Jumaan, John P Mullooly, Jane F Seward, Hector S Izurieta, Frank DeStefano, Steven B Black, Robert T Chen,

Study Type: Human Study

**Additional Links**

Diseases: Asthma: CK(918): AC(134), Chickenpox: CK(80): AC(8), Corticosteroid-Induced Toxicity: CK(78): AC(17)


**Approximately 1 in every 5 children who receives 1 dose of varicella vaccine may develop varicella disease, also known as breakthrough disease, if exposed to varicella-zoster virus.** - GMI Summary

Pubmed Data: J Infect Dis. 2008 Mar 1 ;197 Suppl 2:S127-31. PMID: 18419385

Article Published Date: Feb 29, 2008

Authors: Sandra S Chaves, John Zhang, Rachel Civen, Barbara M Watson, Tina Carbajal, Dana Perella, Jane F Seward

Study Type: Human Study

**Additional Links**

Diseases: Chickenpox: CK(80): AC(8)

**Additional Keywords:** Vaccine Resistance: CK(11): AC(2)

**Anti Therapeutic Actions:** Vaccination: Varicella (Chicken pox): CK(164): AC(20)

**Between 1995 and 2005 25,306 adverse events were reported from varicella vaccine.** - GMI Summary
Combined MMR and varicella live vaccine is associated with higher rates of febrile convulsion than giving the vaccines separately. - GMI Summary

Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period. - GMI Summary

Loss of vaccine-induced immunity to varicella over time. - GMI Summary

Near complete vaccination coverage for varicella does not prevent outbreaks in those treated. - GMI Summary
**Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.** - GMI Summary


**Article Published Date**: Dec 09, 2009

**Authors**: Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin

**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

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**Varicella outbreaks occur in vaccinated populations, even when receiving 2 doses.** - GMI Summary


**Article Published Date**: Aug 01, 2009

**Authors**: Philip L Gould, Jessica Leung, Connie Scott, D Scott Schmid, Helen Deng, Adriana Lopez, Sandra S Chaves, Meredith Reynolds, Linda Gladden, Rafael Harpaz, Sandra Snow

**Study Type**: Human Study

**Diseases**: Varicella : CK(50) : AC(5)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

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**Varicella vaccine has been associated with viremia and streptococcal toxic shock syndrome.** - GMI Summary


**Article Published Date**: Apr 20, 2009

**Authors**: Claire M Italiano, Cheryl S Toi, Simon P Chan, Dominic E Dwyer

**Study Type**: Human Study

**Diseases**: Chickenpox : CK(80) : AC(8), Viremia : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

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**Varicella vaccine has been reported to cause chronic, acyclovir-resistant herpes zoster infection in an immunosuppressed child.** - GMI Summary


**Article Published Date**: Oct 01, 2003

**Authors**: Myron J Levin, Karen M Dahl, Adriana Weinberg, Roger Giller, Amita Patel, Philip R Krause

**Study Type**: Human Study

**Diseases**: Chickenpox : CK(80) : AC(8), Herpes Zoster : CK(470) : AC(35)

**Pharmacological Actions**: Antiviral Agents : CK(625) : AC(293)

**Additional Keywords**: Acyclovir-Resistance : CK(11) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

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**Varicella vaccine has been reported to viral meningitis in an immunocompetent child.** - GMI Summary


**Article Published Date**: Jun 01, 2009

**Authors**: Sujit Iyer, Manoj K Mittal, Richard L Hodinka
**Varicella vaccine may be associated with aplastic anemia in children. - GMI**


**Article Published Date**: Aug 01, 2009

**Authors**: Paola Angelini, Fotini Kavadas, Navneet Sharma, Susan E Richardson, Graham Tipples, Chaim Roifman, Yigal Dror, Yehuda Nofech-Mozes

**Study Type**: Human Study

**Additional Links**

**Diseases**: Anemia: Aplastic : CK(30) : AC(3), Chickenpox : CK(80) : AC(8)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

**Varicella vaccine virus can be contagious and infect others - Article 2. - GMI**


**Article Published Date**: Oct 01, 1997

**Authors**: P LaRussa, S Steinberg, F Meurice, A Gershon

**Study Type**: Human Study

**Additional Links**

**Diseases**: Chickenpox : CK(80) : AC(8)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

**Varicella vaccine virus can be contagious and infect others. - GMI Summary**

**Pubmed Data**: Homeopathy. 2009 Apr;98(2):77-82. PMID: [9255208](https://pubmed.ncbi.nlm.nih.gov/9255208/)

**Article Published Date**: Apr 01, 2009

**Authors**: M B Salzman, R G Sharrar, S Steinberg, P LaRussa

**Study Type**: Human Study

**Additional Links**

**Diseases**: Chickenpox : CK(80) : AC(8)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

**Varicella-zoster vaccine has been linked to herpes zoster ophthalmicus and encephalitis as possible, though rare side effects. - GMI Summary**


**Article Published Date**: Apr 01, 2010

**Authors**: Giorgos Chouliaras, Vana Spoulou, Mark Quinlivan, Judith Breuer, Maria Theodoridou

**Study Type**: Human Study

**Additional Links**

**Diseases**: Encephalitis : CK(23) : AC(4), Herpes: Ocular : CK(12) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

**"Varicella vaccination is less effective than the natural immunity that existed in prevaccine communities." - GMI Summary**

Aborted fetal cells (diploid) have been used to create the rubella, measles, mumps, rabies, polio, smallpox, hepatitis A, chickenpox, and herpes zoster vaccines. - GMI Summary

Authors : José Luís Redondo Calderón
Study Type : Review
Additional Keywords : Diploid Cell Vaccines : CK(1) : AC(1)

Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary

Authors : Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard
Study Type : Commentary
Additional Keywords : Diseases that are Linked : CK(2122) : AC(270)

Viruses (wild-type or recombinant vaccine-type) can silently prime for and trigger central nervous system autoimmune disease. - GMI Summary

Authors : D J Theil, I Tsunoda, F Rodriguez, J L Whitton, R S Fujinami
Study Type : Commentary
Additional Keywords : Diseases that are Linked : CK(2122) : AC(270)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)

Topic: Vaccination: Polio

Vaccination in infants less than 3 months is associated with an increased risk of sudden infant death syndrome. - GMI Summary

Article Published Date : Jun 01, 2001
Authors : G S Goldman, P G King
Study Type : Review
Additional Links
Anti Therapeutic Actions : Vaccination: Varicella (Chicken pox) : CK(164) : AC(20)
At the present time, the only poliovirus-caused poliomyelitis cases reported in Brazil and other countries of the Americas are of vaccine etiology. - GMI

Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary. - GMI

The combination of MMR and DTaP-Hib-IPV vaccination is associated with significantly increased rates of adverse effects. - GMI

The oral polio vaccine is unlikely to be able to eradicate polio from India. - GMI
**Vaccination with measles after DTP and polio vaccine is associated with 2-fold increase in female mortality.** - GMI Summary

**Pubmed Data**: Pediatr Infect Dis J. 2007 Mar;26(3):247-52. PMID: [17484223](#)

**Article Published Date**: Mar 01, 2007

**Authors**: Peter Aaby, May-Lill Garly, Jens Nielsen, Henrik Ravn, Cesario Martins, Carlitos Balé, Amabelia Rodrigues, Christine Stabell Benn, Ida Maria Lisse

**Study Type**: Human Study

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31), Vaccination: Polio : CK(94) : AC(15)

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**Vaccine-associated paralytic poliomyelitis (VAPP) has emerged as the predominant form of the disease in the United States since 1980.** - GMI Summary

**Pubmed Data**: Clin Infect Dis. 1992 Feb;14(2):568-79. PMID: [1554844](#)

**Article Published Date**: Feb 01, 1992

**Authors**: P M Strebel, R W Sutter, S L Cochi, R J Biellik, E W Brink, O M Kew, M A Pallansch, W A Orenstein, A R Hinman

**Study Type**: Human Study

**Diseases**: Poliomyelitis : CK(33) : AC(4)

**Additional Keywords**: Iatrogenic Poliomyelitis : CK(20) : AC(2)

**Anti Therapeutic Actions**: Vaccination: Polio : CK(94) : AC(15)

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**Some oral poliovirus vaccines were contaminated with infectious SV40 after 1961.** - GMI Summary

**Pubmed Data**: Cancer Res. 2005 Nov 15 ;65(22):10273-9. PMID: [16288015](#)

**Article Published Date**: Nov 15, 2005

**Authors**: Rochelle Cutrone, John Lednicky, Glynis Dunn, Paola Rizzo, Maurizio Bocchetta, Konstantin Chumakov, Philip Minor, Michele Carbone

**Study Type**: Human In Vitro

**Diseases**: Simian virus 40 (SV40) : CK(7) : AC(5)

**Additional Keywords**: Vaccine Contamination : CK(5) : AC(1)

**Anti Therapeutic Actions**: Vaccination: Polio : CK(94) : AC(15)

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**Simultaneous sudden infant death syndrome has been reported in twins two days after receiving multiple vaccinations.** - GMI Summary

**Pubmed Data**: J Forensic Leg Med. 2007 Feb;14(2):87-91. PMID: [17654772](#)

**Article Published Date**: Feb 01, 2007

**Authors**: Yasemin Balci, Mehmet Tok, B Kenan Kocaturk, Cinar Yenilmez, Coşkun Yirulmaz

**Study Type**: Human: Case Report

**Diseases**: Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18)


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"**New strategies for the elimination of polio from India."** - GMI Summary

**Pubmed Data**: Science. 2006 Nov 17 ;314(5802):1150-3. PMID: [17110580](#)

**Article Published Date**: Nov 17, 2006

**Authors**: Nicholas C Grassly, Christophe Fraser, Jay Wenger, Jagadish M Deshpande, Roland W Sutter, David L Heymann, R Bruce Aylward

**Study Type**: Review

**Additional Links**
**Differential diagnosis of acute flaccid paralysis and its role in poliomyelitis surveillance.** - GMI Summary

**Pubmed Data**: Epidemiol Rev. 2000;22(2):298-316. PMID: 11218380  
**Article Published Date**: Jan 01, 2000  
**Authors**: A Marx, J D Glass, R W Sutter

**Study Type**: Review  
**Additional Links**

**Diseases**: Acute Flaccid Paralysis: CK(3) : AC(1)  
**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Polio: CK(94) : AC(15)

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In 2011, there were an extra 47,500 new cases of non-polio acute flaccid paralysis (NPAFP): Clinically indistinguishable from polio paralysis but twice as deadly, the incidence of NPAFP was directly proportional to doses of oral polio received. - GMI Summary

**Article Published Date**: Apr 01, 2012  
**Authors**: Neetu Vashisht, Jacob Puliyel

**Study Type**: Review  
**Additional Links**

**Diseases**: Non-polio acute flaccid paralysis (NPAFP): CK(12) : AC(1), Poliomyelitis: CK(33) : AC(4), Vaccine-induced Toxicity: CK(1130) : AC(163)  
**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Polio: CK(94) : AC(15)

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Over 40,000 cases of AFP are reported annually since 2007 regardless of the number of actual polio cases. - GMI Summary

**Article Published Date**: Jan 01, 2012  
**Authors**: Rie R Yotsu, Katharine Abba, Helen Smith, Abhijit Das

**Study Type**: Review  
**Additional Links**

**Diseases**: Acute Flaccid Paralysis: CK(3) : AC(1), Non-polio acute flaccid paralysis (NPAFP): CK(12) : AC(1), Vaccine-induced Toxicity: CK(1130) : AC(163)  
**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Polio: CK(94) : AC(15)

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Provocation by vaccine injections can increase the risk of paralytic poliomyelitis by up to 25 fold. - GMI Summary

**Pubmed Data**: Dev Biol Stand. 1986;65:123-6. PMID: 3549394  
**Article Published Date**: Jan 01, 1986  
**Authors**: H V Wyatt

**Study Type**: Review  
**Additional Links**

**Diseases**: Poliomyelitis: CK(33) : AC(4)  
**Anti Therapeutic Actions**: Vaccination: All: CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-Tetanus: CK(283) : AC(31)  
**Anti Therapeutic Actions**: Vaccination: Polio: CK(94) : AC(15)

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Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent recombination events and mutations. - GMI Summary

**Pubmed Data**: J Infect Dis. 2012 May 1 ;205(9):1363-73. Epub 2012 Mar 29. PMID: 22457288  
**Article Published Date**: May 01, 2012  
**Authors**: Marie-Line Joffret, Sophie Jégouic, Maël Bessaud, Jean Balanant, Coralie Tran, Valerie Caro, Barbara Holmblat, Richter Razafindratsimandresy, Jean-Marc Reyne, Mala Rakoto-Andrianarivel, Francis Delpeyroux

**Study Type**: Review
An Italian study found that 61% of women experienced an adverse event after the administration of the first dose of HPV vaccine. - GMI Summary


Authors : Stefania Spila-Alegiani, Roberto Da Cas, Cristina Giambi, Roberto Raschetti, Stefania Salmaso

Study Type : Human Study

Erythema multiforme has been reported as a possible side effect of vaccination for human papillomavirus. - GMI Summary


Authors : A C Katoulis, A Liakou, E Bozi, M Theodorakis, A Alevizou, A Zafeiraki, M Mistidou, N G Stavrianeas

Study Type : Human Study

HPV vaccination does not have a therapeutic effect in young women with pre-existing human papillomavirus infection. - GMI Summary


Authors : Allan Hildesheim, Rolando Herrero, Sholom Wacholder, Ana C Rodriguez, Diane Solomon, M Concepcion Bratti, John T Schiller, Paula Gonzalez, Gary Dubin, Carolina Porras, Silvia E Jimenez, Douglas R Lowy,

Study Type : Human Study

HPV vaccination has been linked to demyelination. - GMI Summary


Authors : Francis J DiMario, Mirna Hajjar, Thomas Ciesielski

Study Type : Human Study

HPV vaccination is associated with reported side effects in (over) 23.5% of vaccinated girls studied. - GMI Summary
**Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.**

- GMI Summary

Authors: I Sutton, R Lahoria, Il Tan, P Clouston, Mh Barnett
Study Type: Human Study
Additional Links
Diseases: Demyelinating Diseases: CK(1278) : AC(250), HPV : CK(31) : AC(4), Human Papillomavirus (HPV) : CK(153) : AC(22), Vaccine-induced Toxicity : CK(1130) : AC(163)
Additional Keywords: Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: HPV (Gardisil) : CK(105) : AC(13)

**Noticeable adverse reactions to the HPV vaccine occured in 22% of those polled.**

- GMI Summary

Authors: M Amparo Torrecilla Rojas, Miguel Pedregal González, Fermín García Rodríguez, Josefa Ruiz Fernández
Study Type: Human Study
Additional Links
Diseases: Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: HPV (Gardisil) : CK(105) : AC(13)

**Postlicensure safety surveilance has revealed a disproportionate reporting of syncope and venous thromboembolic events following quadrivalent HPV vaccination.**

- GMI Summary

Pubmed Data: JAMA. 2009 Aug 19;302(7):750-7. PMID: 19690307
Authors: Barbara A Slade, Laura Leidel, Claudia Vellozzi, Emily Jane Woo, Wei Hua, Andrea Sutherland, Hector S Izurieta, Robert Ball, Nancy Miller, M Miles Braun, Lauri E Markowitz, John Iskander
Study Type: Human Study
Additional Links
Diseases: Syncope : CK(10) : AC(1), Thromboembolism : CK(205) : AC(19)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: HPV (Gardisil) : CK(105) : AC(13)

**The risk of miscarriage increases following HPV vaccination.**

- GMI Summary

Authors: Sholom Wacholder, Bingshu Eric Chen, Allen Wilcox, George Macones, Paula Gonzalez, Brian Befano, Allan Hildesheim, Ana Cecilia Rodríguez, Diane Solomon, Rolando Herrero, Mark Schiffman
Study Type: Human Study
Additional Links
Diseases: Cervical Cancer : CK(378) : AC(69)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: HPV (Gardisil) : CK(105) : AC(13)
The way that the effectiveness of HPV vaccines are framed influences whether or not respondents believe they are effective and their acceptance level of vaccine mandate policies. - GMI Summary

Pubmed Data: Patient Educ Couns. 2010 Sep 17. Epub 2010 Sep 17. PMID: 20851560
Article Published Date: Sep 17, 2010
Authors: Cabral A Bigman, Joseph N Cappella, Robert C Hornik
Study Type: Human Study
Additional Links
Diseases: HPV: CK(31) : AC(4)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: HPV (Gardisil): CK(105) : AC(13)

There were 69 reports of Guillain-Barré Syndrome (GBS) after Gardasil vaccination that occurred in the United States between 2006 and 2009. - GMI Summary

Pubmed Data: Vaccine. 2010 Sep 23. Epub 2010 Sep 23. PMID: 20869467
Article Published Date: Sep 23, 2010
Authors: Nizar Souayah, P A Michas-Martin, Abu Nasar, Nataliya Krivitskaya, Hussam A Yacoub, Hafiz Khan, Adnan I Qureshi
Study Type: Human Study
Additional Links
Diseases: Guillain-Barre Syndrome: CK(84) : AC(14), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: HPV (Gardisil): CK(105) : AC(13)

Possible systemic lupus erythematosus following HPV immunization has been reported. - GMI Summary

Article Published Date: Jan 01, 2012
Authors: Hf Soldevilla, Sfr Briones, Sv Navarra
Study Type: Human: Case Report
Additional Links
Diseases: Lupus Erythematosus: Systemic: CK(949) : AC(53), Vaccine-induced Toxicity: CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: HPV (Gardisil): CK(105) : AC(13)

The HPV16 vaccine carries with it significant cross-reactivity risk due to the homologies that exist between the HPV and human proteome. - GMI Summary

Article Published Date: Jan 01, 2009
Authors: Darja Kanduc
Study Type: In Vitro Study
Additional Links
Diseases: Autoimmune Diseases: CK(5317) : AC(779)
Anti Therapeutic Actions: Vaccination: All: CK(3934) : AC(312), Vaccination: HPV (Gardisil): CK(105) : AC(13)

Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary

Article Published Date: Feb 01, 2010
Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard
Study Type: Commentary
Additional Links
Diseases: Autoimmune Diseases: CK(5317) : AC(779), Guillain-Barre Syndrome: CK(84) : AC(14), Human
"A history of prior vaccination is not always associated with immunity nor with the presence of specific antibodies." - GMI Summary

**Topic: Vaccination: Measles**

20.7% (6 of 29) of persons known to have received measles vaccine had non-protective titers.  - GMI Summary

**A 1993 outbreak of measles in a highly immunised Australian population.** - GMI Summary

**A major measles epidemic occurred in 1989 in the region of Quebec despite a 99% vaccine coverage.** - GMI Summary
A measles outbreak at a college with a prematriculation immunization requirement. - GMI Summary


**Article Published Date**: Feb 28, 1991

**Authors**: B S Hersh, L E Markowitz, R E Hoffman, D R Hoff, M J Doran, J C Fleishman, S R Preblud, W A Orenstein

**Study Type**: Human Study

**Diseases**: Measles : CK(193) : AC(8)

**Additional Keywords**: Vaccine Failure : CK(123) : AC(13)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

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A measles outbreak in Montana in 1985 indicates vaccine failure. - GMI Summary

**Pubmed Data**: Am J Epidemiol. 1987 Sep ;126(3):438-49. PMID: [3618578](https://pubmed.ncbi.nlm.nih.gov/3618578/)

**Article Published Date**: Aug 31, 1987

**Authors**: R M Davis, E D Whitman, W A Orenstein, S R Preblud, L E Markowitz, A R Hinman

**Study Type**: Human Study

**Diseases**: Measles : CK(193) : AC(8)

**Additional Keywords**: Vaccine Failure : CK(123) : AC(13)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

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Despite a high coverage with measles vaccines in parts of west Africa, epidemics of measles occur with reduced severity in an increasing proportion of older children who have been vaccinated. - GMI Summary


**Article Published Date**: Jan 08, 1999

**Authors**: H C Whittle, P Aaby, B Samb, H Jensen, J Bennett, F Simondon

**Study Type**: Human Study

**Diseases**: Measles : CK(193) : AC(8)

**Additional Keywords**: Vaccine Failure : CK(123) : AC(13)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

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Diphtheria-tetanus-pertussis vaccine administered simultaneously with measles vaccine is associated with increased morbidity and poor growth in girls. - GMI Summary


**Article Published Date**: Jan 10, 2011

**Authors**: J Agergaard, E Nante, G Poulstrup, J Nielsen, K L Flanagan, L Østergaard, C S Benn, P Aaby

**Study Type**: Human Study

**Diseases**: Vaccine-induced Toxicity : CK(1130) : AC(163)

Even though 95% of the children had measles antibodies after vaccination, vaccine efficacy was not more than 68%. - GMI Summary

Authors: P Aaby, K Knudsen, T G Jensen, J Thårup, A Poulsen, M Sodemann, M C da Silva, H Whittle
Study Type: Human Study
Diseases: Measles: CK(193): AC(8), Vaccine-induced Toxicity: CK(1130): AC(163)
Additional Keywords: Antibody Theory Of Vaccinology: CK(35): AC(5), Vaccine Failure: CK(123): AC(13)

High titre measles vaccination increases female mortality in those receiving immunization in West Africa. - GMI Summary

Authors: K M Knudsen, P Aaby, H Whittle, M Rowe, B Samb, F Simondon, J Sterne, P Fine
Study Type: Human Study
Diseases: Measles: CK(193): AC(8), Vaccine-induced Toxicity: CK(1130): AC(163)

High-titer measles vaccination before 9 months of age has been linked to increased female mortality. - GMI Summary

Authors: Peter Aaby, Henrik Jensen, Francois Simondon, Hilton Whittle
Study Type: Human Study
Diseases: Child Mortality: CK(64): AC(8), Measles: CK(193): AC(8)

In a measles outbreak from March 1991 to April 1992 in Rio de Janeiro 76.4% of those suspected to be infected had received measles vaccine before their first birthday. - GMI Summary

Authors: S A de Oliveira, W N Soares, M O Dalston, M T de Almeida, A J Costa
Study Type: Human Study
Diseases: Measles: CK(193): AC(8)
Additional Keywords: Vaccine Failure: CK(123): AC(13)

Measles outbreak in a fully immunized secondary-school population with up to 99 percent vaccination. - GMI Summary

Authors: T L Gustafson, A W Lievens, P A Brunell, R G Moellenberg, C M Buttery, L M Sehulster
Study Type: Human Study
Diseases: Measles: CK(193): AC(8)
Primary and secondary vaccine failure may explain the 1992 measles epidemic in Cape Town. - GMI Summary

Article Published Date: Feb 28, 1994
Authors: N Coetzee, G D Hussey, G Visser, P Barron, A Keen
Study Type: Human Study
Diseases: Measles : CK(193) : AC(8)
Additional Keywords: Vaccine Failure : CK(123) : AC(13)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

The occurrence of secondary vaccine failure and vaccine-modified measles in the United States may lead to underreporting of measles cases and result in overestimation of vaccine efficacy in h - GMI Summary

Pubmed Data: JAMA. 1990 May 9 ;263(18):2467-71. PMID: 2278542
Article Published Date: May 08, 1990
Authors: M B Edmonson, D G Addiss, J T McPherson, J L Berg, S R Circo, J P Davis
Study Type: Human Study
Diseases: Measles : CK(193) : AC(8)
Additional Keywords: Vaccine Failure : CK(123) : AC(13)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

Aborted fetal cells (diploid) have been used to create the rubella, measles, mumps, rabies, polio, smallpox, hepatitis A, chickenpox, and herpes zoster vaccines. - GMI Summary

Article Published Date: May 01, 2008
Authors: José Luís Redondo Calderón
Study Type: Review
Additional Keywords: Diploid Cell Vaccines : CK(1) : AC(1)

Measles vaccination in developing countries has resulted in higher infant mortality rates. - GMI Summary

Pubmed Data: BMJ. 1993 Nov 20;307(6915):1294-5. PMID: 8257878
Article Published Date: Nov 20, 1993
Authors: A J Hall, F T Cutts
Study Type: Review
Additional Keywords: Child Mortality : CK(64) : AC(8), Measles : CK(193) : AC(8), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Measles : CK(157) : AC(16)

Topic: Vaccination: Pertussis
The risk of adverse events from the pertussis outweighed the risk of pertussis infection during the period of 1970-83 in children living in non-deprived circumstances in Britain. - GMI Summary

Article Published Date: Jan 01, 1985
Authors: G T Stewart
Study Type: Meta Analysis
Additional Links

Despite the CDC's current recommendation to vaccinate postpartum women before hospital discharge with the tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine in order to prevent pertussis infection in their offspring, it does not reduce - GMI Summary

Article Published Date: Nov 10, 2011
Authors: Luis A Castagnini, C Mary Healy, Marcia A Rench, Susan H Wootton, Flor M Munoz, Carol J Baker
Study Type: Human Study
Additional Links

In Kings County Washington, between 2002-2007, of the 176 confirmed cases of pertussis in infants under age 1 seventy-seven percent were age-appropriately vaccinated. - GMI Summary

Article Published Date: Jul 01, 2011
Authors: Matthew P Hanson, Tao S Kwan-Gett, Atar Baer, Krista Rietberg, Mara Ohrt, Jeffrey S Duchin
Study Type: Human Study
Additional Links
Diseases: Pertussis: CK(142): AC(14)
Additional Keywords: Vaccine Resistance: CK(11): AC(2)

Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible individuals. - GMI Summary

Pubmed Data: Cytotechnology. 2002 Nov;40(1-3):139-49. PMID: 20447868
Article Published Date: Nov 01, 2002
Authors: Anne M McIntosh, Jacinta McMahon, Leanne M Dibbens, Xenia Iona, John C Mulley, Ingrid E Scheffer, Samuel F Berkovic
Study Type: Human Study
Additional Links

Pertussis vaccine has been linked to hypotonic-hyporesponsive episodes (HHE) in infants and children. - GMI Summary
**Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occurred in metabolically vulnerable children. - GMI Summary**

**Since the 1993 pertussis epidemic in Cincinnati occurred primarily among children who had been appropriately immunized, it is clear that the whole-cell pertussis vaccine failed to give full protection against the disease. - GMI Summary**

**The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects. - GMI Summary**

**Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants. - GMI Summary**
Whole cell pertussis vaccines may have been causing serious neurological disorders. - GMI Summary

Pubmed Data: Brain Dev. 2004 Aug;26(5):296-300. PMID: 15165669
Authors: David A Geier, Mark R Geier
Study Type: Human Study

Mice exhibit lung pathology after vaccination with pertussis vaccines. - GMI Summary

Pubmed Data: Vaccine. 2007 Mar 8;25(12):2346-60. Epub 2006 Dec 12. PMID: 17224216
Authors: Rob J Vandebriel, Eric R Gremmer, Jolanda P Vermeulen, Sandra M M Hellwig, Jan A M A Dormans, Paul J M Roholl, Frits R Mooi
Study Type: Animal Study

Despite high coverage rates for primary immunization in infants and children pertussis incidence rates are increasing. - GMI Summary

Authors: Tina Tan, Evelinda Trindade, Danuta Skowronski
Study Type: Review

Underestimation of central nervous system complications after pertussis immunization appears to be prevalent. - GMI Summary

Authors: W Ehrengut
Study Type: Review

Topic: Vaccination: Tetanus
DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents. - GMI Summary

Pubmed Data: J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: 10714532
Article Published Date: Feb 01, 2000
Authors: E L Hurwitz, H Morgenstern
Study Type: Meta Analysis
Additional Links
Diseases: Allergies : CK(502) : AC(92), Allergies: Childhood : CK(70) : AC(5), Asthma : CK(918) : AC(134), Hypersensitivity : CK(64) : AC(15), Vaccine-induced Toxicity : CK(1130) : AC(163)

Despite the CDC's current recommendation to vaccinate postpartum women before hospital discharge with the tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine in order to prevent pertussis infection in their offspring, it does not reduce - GMI Summary

Article Published Date: Nov 10, 2011
Authors: Luis A Castagnini, C Mary Healy, Marcia A Rench, Susan H Wootton, Flor M Munoz, Carol J Baker
Study Type: Human Study
Additional Links
Diseases: Pertussis : CK(142) : AC(14), Whooping Cough : CK(66) : AC(7)

The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects. - GMI Summary

Article Published Date: Jan 01, 2011
Authors: Mogens Helweg Claesson
Study Type: Human Study
Additional Links
Problem Substances: Adjuvant : CK(18) : AC(6), Aluminum Hydroxide : CK(56) : AC(14), Vaccine Adjuvants : CK(383) : AC(77)

A case of Leukemia Cutis arising at the site of injection of a Tetanus Booster has been reported. - GMI Summary

Article Published Date: Oct 01, 2010
Authors: R M Guinovart, J M Carrascosa, C Ferrándiz
Study Type: Human: Case Report
Additional Links
Diseases: Leukemia Cutis : CK(3) : AC(1), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions: Vaccination: Tetanus : CK(48) : AC(8)

Severe tetanus has been reported in immunized patients with high anti-tetanus titers. - GMI Summary

**Coriandrum sativum has antioxidant activity.** - GMI Summary


**Article Published Date**: Nov 01, 2009

**Authors**: V Chithra, S Leelamma

**Study Type**: Animal Study

**Additional Links**

**Substances**: Coriandrum sativum: CK(53) : AC(27)

**Diseases**: Oxidative Stress: CK(1975) : AC(710)

**Pharmacological Actions**: Antioxidants: CK(3723) : AC(1318)

**Anti Therapeutic Actions**: Vaccination: Tetanus: CK(48) : AC(8)

**Tetanus vaccine given to Phillipino women of reproductive age may have been designed to induce an anti-fertility action.** - GMI Summary

**Pubmed Data**: Vaccine Wkly. 1995 May 29 - Jun 5:9-10. PMID: 12346214

**Article Published Date**: May 29, 1995

**Authors**: [No authors listed]

**Study Type**: Commentary

**Additional Links**

**Diseases**: Infertility: Female: CK(182) : AC(33)

**Additional Keywords**: Population Control: CK(1) : AC(1)

**Anti Therapeutic Actions**: Vaccination: Tetanus: CK(48) : AC(8)

**The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.** - GMI Summary

**Pubmed Data**: JAMA. 1994 May 25;271(20):1602-5. PMID: 8182813

**Article Published Date**: May 25, 1994

**Authors**: K R Stratton, C J Howe, R B Johnston

**Study Type**: Review

**Additional Links**


**Vaccination may contribute to causing a wide variety of autoimmune disorders.** - GMI Summary

**Pubmed Data**: Discov Med. 2010 Feb;9(45):90-7. PMID: 20193633

**Article Published Date**: Feb 01, 2010

**Authors**: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

**Study Type**: Commentary

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(3934): AC(312), Vaccination: Diphtheria-Pertussis-
**Topic: Vaccination: Anthrax**

*Anthrax vaccination contributes to joint related adverse reactions.* - GMI Summary


**Article Published Date**: Mar 01, 2002

**Authors**: D A Geier, M R Geier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Joint Diseases : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Anthrax : CK(62) : AC(8)

*Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.* - GMI Summary


**Article Published Date**: Aug 15, 2008

**Authors**: Margaret A K Ryan, Tyler C Smith, Carter J Sevick, William K Honner, Rosha A Loach, Cynthia A Moore, J David Erickson

**Study Type**: Human Study

**Additional Links**

**Diseases**: Anthrax : CK(43) : AC(6), Birth Defects : CK(196) : AC(37), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Anthrax : CK(62) : AC(8)

**Adverse Pharmacological Actions**: Teratogenic : CK(304) : AC(59)

*Injection site reactions occur in 28% of those who receive the anthrax vaccine, with women having twice the incidence of reaction versus men.* - GMI Summary

**Pubmed Data**: Pharmacoepidemiol Drug Saf. 2007 Mar ;16(3):259-74. PMID: 17245803

**Article Published Date**: Mar 01, 2007

**Authors**: Michael M McNeil, I-Shan Chiang, John T Wheeling, Yujia Zhang

**Study Type**: Human Study

**Additional Links**

**Diseases**: Anthrax : CK(43) : AC(6), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Additional Keywords**: Gender Differences : CK(63) : AC(8)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Anthrax : CK(62) : AC(8)

*Symptomatic Gulf War Syndrome is strongly associated with the presence of autoantibodies to squalene, an adjuvant used in vaccines.* - GMI Summary

**Pubmed Data**: Exp Mol Pathol. 2000 Feb;68(1):55-64. PMID: 10640454

**Article Published Date**: Feb 01, 2000

**Authors**: P B Asa, Y Cao, R F Garry

**Study Type**: Human Study

**Additional Links**

**Diseases**: Gulf War Syndrome : CK(33) : AC(5), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Anthrax : CK(62) : AC(8)

*The anthrax vaccine is one of the most reactogenic vaccines reported in the Vaccine Adverse Events Reporting System (VAERS) database.* - GMI Summary

**Pubmed Data**: Hepatogastroenterology. 2004 May-Jun;51(57):762-7. PMID: 15143911
The vaccine adjuvant squalene in anthrax vaccines given to soldiers in the Gulf War resulted in the formation of antibodies to squalene which are associated with Gulf War Syndrome. - GMI Summary


Anthrax vaccine development suffers from a wide range of potentially insurmountable problems. - GMI Summary


The development of human vaccines for anthrax has suffered from a number of technical challenges. - GMI Summary


Topic: Vaccination: Combinations

Co-administration of live measles and yellow fever vaccines and inactivated pentavalent vaccines is associated with increased mortality compared with measles and yellow fever vaccines only. An observational study from Guinea-Bissau. - GMI Summary

Diphtheria-tetanus-pertussis vaccine administered simultaneously with measles vaccine is associated with increased morbidity and poor growth in girls. - GMI Summary

Article Published Date : Jan 10, 2011
Authors : J Agergaard, E Nante, G Poustrup, J Nielsen, K L Flanagan, L Østergaard, C S Benn, P Aaby
Study Type : Human Study
Additional Links
Diseases : Vaccine-induced Toxicity : CK(1130) : AC(163)

DTP with or after measles vaccination is associated with increased in-hospital mortality in Guinea-Bissau. - GMI Summary

Article Published Date : Jan 25, 2007
Authors : Peter Aaby, Sidu Biai, Jens Erik Veirum, Morten Sodemann, Ida Lisse, May-Lill Garly, Henrik Ravn, Christine Stabell Benn, Amabelia Rodrigues
Study Type : Human Study
Additional Links
Diseases : Infant Mortality : CK(229) : AC(23), Vaccine-induced Toxicity : CK(1130) : AC(163)
Anti Therapeutic Actions : Vaccination: Combinations : CK(20) : AC(2)

The combination of MMR and DTaP-Hib-IPV vaccination is associated with significantly increased rates of adverse effects. - GMI Summary

Article Published Date : Sep 01, 2009
Authors : Elena Shneyer, Avshalom Strulov, Yaakov Rosenfeld
Study Type : Human Study
Additional Links

Topic: Vaccination: Haemophilus Influenzae

A Haemophilus b polysaccharide vaccine resulted in minus 58 percent efficacy in children in Minnesota in August 1985. - GMI Summary

Pubmed Data : JAMA. 1988 Sep 9;260(10):1423-8. PMID: 3261350
Article Published Date : Sep 09, 1988
Authors : M T Osterholm, J H Rambeck, K E White, J L Jacobs, L M Pierson, J D Neaton, C W Hedberg, K L MacDonald, D M Granoff
Study Type : Human Study
Additional Links
Diseases : Haemophilus influenzae : CK(54) : AC(9)
Anti Therapeutic Actions : Vaccination: All : CK(3934) : AC(312), Vaccination: Haemophilus Influenzae : CK(32) : AC(4)

The combination of MMR and DTaP-Hib-IPV vaccination is associated with significantly increased rates of adverse effects. - GMI Summary

Article Published Date : Sep 01, 2009
**Conjugate vaccines may predispose children to autism spectrum disorders.** - GMI Summary

**Article Published Date**: Oct 10, 2011
**Authors**: Brian J Richmand
**Study Type**: Review

**Diseases**: Autism : CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112)

**Vaccination may contribute to causing a wide variety of autoimmune disorders.** - GMI Summary

**Pubmed Data**: Discov Med. 2010 Feb;9(45):90-7. PMID: 20193633
**Article Published Date**: Feb 01, 2010
**Authors**: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard
**Study Type**: Commentary


**Live attenuated influenza vaccines may cause shedding of the virus in children 6-59 monhts.** - GMI Summary

**Pubmed Data**: Vaccine. 2011 Apr 20. Epub 2011 Apr 20. PMID: 21513761
**Article Published Date**: Apr 20, 2011
**Authors**: Raburn M Mallory, Tingting Yi, Christopher S Ambrose
**Study Type**: Human Study

**Diseases**: Vaccine-induced Toxicity : CK(1130) : AC(163)
**Anti Therapeutic Actions**: Vaccination: Animal Model : CK(39) : AC(16)

**A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows.** - GMI Summary

**Article Published Date**: Nov 01, 1996
**Authors**: M V Palmer, S C Olsen, M J Gilsdorf, L M Philo, P R Clarke, N F Cheville
**Study Type**: Animal Study
Experimental in utero inoculation of late-term swine fetuses with porcine circovirus type 2 results in a high rate of reproductive abnormalities, including mummification and stillbirth. - GMI Summary

Article Published Date: Nov 01, 2002
Authors: Charles S Johnson, Han S Joo, Kochakorn Direksin, Kyoung-Jin Yoon, Young K Choi
Study Type: Animal Study
Additional Links

Fatal adverse pulmonary reaction in calves after inadvertent intravenous vaccination has been reported. - GMI Summary

Pubmed Data: Vet Pathol. 2005 Jul;42(4):492-5. PMID: 16006609
Article Published Date: Jul 01, 2005
Authors: J D Ramsay, C L Williams, E Simko
Study Type: Animal Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1130): AC(163)

Maturational changes in amygdala volume and the binding capacity of an opioid antagonist in the amygdala was significantly altered in infant macaques receiving the vaccine schedule. - GMI Summary

Article Published Date: Dec 31, 2009
Authors: Laura Hewitson, Brian J Lopresti, Carol Stott, N Scott Mason, Jaime Tomko
Study Type: Animal Study
Additional Links
Problem Substances: Thimerosal: CK(216): AC(23)

Newborn primates receiving mercury-containing hepatitis B vaccines exhibit neurodevelopmental delays. - GMI Summary

Article Published Date: Jan 10, 2010
Authors: Laura Hewitson, Lisa A Houser, Carol Stott, Gene Sackett, Jaime L Tomko, David Atwood, Lisa Blue, E Railey White
Study Type: Animal Study
Additional Links
Diseases: Hepatitis B: CK(226): AC(39), Vaccine-induced Toxicity: CK(1130): AC(163)

Porcine circovirus type 2 (PCV2) vaccination of pregnant pigs may result in vertical transmission of PCV2 to the offspring. - GMI Summary
Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%.

Pregnant cows vaccinated with live attenuated Smithburn Rift Valley virus had a high rate of abortions which were associated with elevations in IgG and IgM antibodies.

Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does.

The intranasal inoculation of pregnant sows with porcine circovirus 2 results in abortion and reproductive failure.

The vaccination of pregnant sheep resulted in abortions and hydranencephaly. - GMI Summary

Pubmed Data: Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: 8825310
Authors: M Flanagan, S J Johnson
Study Type: Animal Study
Additional Links

Vaccination of pregnant monkeys resulted in abortions in 2 out of 25. - GMI Summary

Authors: A Escajadillo, J K Frenkel
Study Type: Animal Study
Additional Links

Vaccine-induced immunity in pregnant pigs is not effective in preventing viremia in offspring. - GMI Summary

Authors: D M Madson, A R Patterson, S Ramamoorthy, N Pal, X J Meng, T Opriessnig
Study Type: Animal Study
Additional Links

Vaccine-induced scrapie has been reported in animals. - GMI Summary

Pubmed Data: J Gen Virol. 2003 Apr;84(Pt 4):1047-52. PMID: 12655108
Authors: Gianluigi Zanusso, Cristina Casalone, Pierluigi Acutis, Elena Bozzetta, Alessia Farinazzo, Matteo Gelati, Michele Fiorini, Gianluigi Forloni, Man Sun Sy, Salvatore Monaco, Maria Caramelli
Study Type: Animal Study
Additional Links

Vaccine-induced, simian immunodeficiency virus-specific CD8+ T cells reduce virus replication but do not protect from simian immunodeficiency virus disease progression. - GMI Summary

Authors: Jessica C Engram, Richard M Dunham, George Makedonas, Thomas H Vanderford, Beth
Feline injection site-associated sarcoma is a serious problem associated with malignancy. - GMI Summary

Article Published Date: Oct 05, 2006
Authors: Jolle Kirpensteijn
Study Type: Review
Additional Links

Topic: Vaccination: BCG (Tuberculosis)

Among female infants, those who receive both BCG and DTP vaccines experience higher mortality than those who receive only one of the two vaccines. - GMI Summary

Article Published Date: Oct 01, 2005
Authors: Lawrence H Moulton, Lakshmi Rahmathullah, Neal A Halsey, R D Thulasiraj, Joanne Katz, James M Tielsch
Study Type: Human Study
Additional Links

BCG revaccination may raise mortality in young children. - GMI Summary

Article Published Date: Jan 01, 2010
Authors: Adam Edvin Roth, Christine Stabell Benn, Henrik Ravn, Amabelia Rodrigues, Ida Maria Lisse, Maria Yazdanbakhsh, Hilton Whittle, Peter Aaby
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: BCG (Tuberculosis): CK(33): AC(4)

Vaccination timing and co-administration may be associated with increased mortality, especially in females. - GMI Summary

Article Published Date: May 29, 2006
Authors: Peter Aaby, Henrik Jensen, Gijs Walraven
Study Type: Human Study
Additional Links
A case of extensive ulcerating vasculitis following a BCG vaccination has been reported. - GMI Summary


Article Published Date: Aug 01, 2009

Authors: A Ghattaura, K A Eley, E Molenaar, G Smith

Study Type: Human: Case Report

Diseases: Vaccine-induced Toxicity: CK(1130) : AC(163), Vasculitis : CK(48) : AC(11)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: BCG (Tuberculosis) : CK(33) : AC(4)

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**Topic:** Vaccination: Rotavirus

Rates of intussusception associated with rotavirus vaccines may be significantly underestimated. - GMI Summary

Pubmed Data: J Infect Dis. 2009 Nov 1;200 Suppl 1:S264-70. PMID: 19817607

Article Published Date: Nov 01, 2009

Authors: Margaret M Cortese, Mary Allen Staat, Geoffrey A Weinberg, Kathryn Edwards, Marilyn A Rice, Peter G Szilagyi, Caroline B Hall, Daniel C Payne, Umesh D Parashar

Study Type: Human Study

Diseases: Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Rotavirus : CK(33) : AC(6)

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Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception. - GMI Summary


Article Published Date: Apr 01, 2004

Authors: Penina Haber, Robert T Chen, Lynn R Zanardi, Gina T Mootrey, Roseanne English, M Miles Braun,

Study Type: Human Study

Diseases: Gastroenteritis : CK(96) : AC(11), Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Rotavirus : CK(33) : AC(6)

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Rotavirus vaccinations have a history of causing adverse effects such as intussusception. - GMI Summary


Article Published Date: Jun 01, 2001

Authors: L R Zanardi, P Haber, G T Mootrey, M T Niu, M Wharton

Study Type: Human Study

Diseases: Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1130) : AC(163)

Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Rotavirus : CK(33) : AC(6)

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"Viral nucleic acids in live-attenuated vaccines: detection of minority variants and an adventitious virus." - GMI Summary


Article Published Date: May 31, 2010

Authors: Joseph G Victoria, Chunlin Wang, Morris S Jones, Crystal Jaing, Kevin McLoughlin, Shea
PCV2 infection is now widespread worldwide, and increasing numbers of disease conditions have been linked to PCV2 infection in pigs. - GMI Summary


Rotavirus vaccines have been found contaminated with porcine circovirus. - GMI Summary


Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary


Congenital malformation is a possible consequence of rubella vaccination during pregnancy. - GMI Summary


Topic: Vaccination: Adult Rubella

Congenital malformation is a possible consequence of rubella vaccination during pregnancy. - GMI Summary

In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously. - GMI Summary


Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year. - GMI Summary


Aborted fetal cells (diploid) have been used to create the rubella, measles, mumps, rabies, polio, smallpox, hepatitis A, chickenpox, and herpes zoster vaccines. - GMI Summary


During the first five years of rubella immunizations in adults concerns emerged about the possibility that the vaccines do harm to the fetus in pregnant women. - GMI Summary


Topic: Vaccination: Smallpox
Among US military personnel vaccinated against smallpox, myopericarditis occurred at a rate of 1 per 12,819 primary vaccinees, and 3.6 fold higher in those without previous vaccinia vaccination. - GMI Summary

Article Published Date: Jun 25, 2003
Authors: Jeffrey S Halsell, James R Riddle, J Edwin Atwood, Pierce Gardner, Robert Shope, Gregory A Poland, Gregory C Gray, Stephen Ostroff, Robert E Eckart, Duane R Hospenthal, Roger L Gibson, John D Grabenstein, Mark K Arness, David N Tornberg,
Study Type: Human Study
Diseases: Myopericarditis : CK(40) : AC(4)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly. - GMI Summary

Article Published Date: Jul 01, 1994
Authors: Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey
Study Type: Human Study
Diseases: Myocarditis : CK(54) : AC(8), Myopericarditis : CK(40) : AC(4), Pericarditis : CK(35) : AC(5)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States. - GMI Summary

Article Published Date: Mar 15, 2008
Authors: Juliette Morgan, Martha H Roper, Laurence Sperling, Richard A Schieber, James D Heffelfinger, Christine G Casey, Jacqueline W Miller, Scott Santibanez, Barbara Herwaldt, Paige Hightower, Pedro L Moro, Beth F Hibbs, Nancy H Levine, Louisa E Chapman, John Iskander, J Michael Lane, Melinda Wharton, Gina T Mootrey, David L Swerdlow
Study Type: Human Study
Diseases: Myocarditis : CK(54) : AC(8), Myopericarditis : CK(40) : AC(4), Pericarditis : CK(35) : AC(5)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

Smallpox vaccination has been associated with cardiac complications such as myopericarditis. - GMI Summary

Article Published Date: May 07, 2009
Authors: Luis F Mora, Akbar H Khan, Laurence S Sperling
Study Type: Human Study
Diseases: Myocarditis : CK(54) : AC(8), Myopericarditis : CK(40) : AC(4), Pericarditis : CK(35) : AC(5)
Anti Therapeutic Actions: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

Smallpox vaccine caused iatrogenic vaccinia in children in Russia. - GMI Summary

Pubmed Data: Zh Mikrobiol Epidemiol Immunobiol. 2001 Mar-Apr(2):40-5. PMID: 11548257
Article Published Date: Mar 01, 2001

**Study Type**: Human Study

**Additional Links**

**Diseases**: Smallpox : CK(23) : AC(4), Vaccine-induced Toxicity : CK(1130) : AC(163), Vaccinia virus : CK(22) : AC(4)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

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**Varciella vaccine has been reported to cause herpes zoster skin lesions and meningitis in a previously healthy boy.** - GMI Summary

**Pubmed Data**: J Infect Dis. 2008 Nov 15;198(10):1444-7. PMID: 18826373

**Article Published Date**: Nov 15, 2008

**Authors**: Myron J Levin, Roberta L DeBiasi, Vanda Bostik, D Scott Schmid

**Study Type**: Human Study

**Additional Links**

**Diseases**: Herpes Zoster : CK(470) : AC(35), Meningitis: Viral : CK(20) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

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**Review: possible adverse effects that are associated with smallpox vaccination.** - GMI Summary


**Article Published Date**: Feb 21, 2003

**Authors**: Joanne Cono, Christine G Casey, David M Bell,

**Study Type**: Review

**Additional Links**

**Diseases**: Smallpox : CK(23) : AC(4), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Pharmacological Actions**: Antiviral Agents : CK(625) : AC(293)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Smallpox : CK(71) : AC(8)

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**Topic**: Vaccination: Diphtheria

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**Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years.** - GMI Summary


**Article Published Date**: Mar 01, 2007

**Authors**: Kazunori Nakajima, Shyamali C Dharmage, John B Carlin, Cathryn L Wharton, Mark A Jenkins, Graham G Giles, Michael J Abramson, E Haydn Walters, John L Hopper

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Asthma : CK(918) : AC(134), Atopic Disease : CK(91) : AC(9), Hypersensitivity: Immediate : CK(93) : AC(9)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria : CK(50) : AC(2)

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**The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects.** - GMI Summary


**Article Published Date**: Jan 01, 2011

**Authors**: Mogens Helweg Claesson

**Study Type**: Human Study

**Additional Links**

**Diseases**: Immune Dysregulation: TH1/TH2 imbalance : CK(146) : AC(36), Infant Mortality : CK(229) : AC(23), Vaccine-induced Toxicity : CK(1130) : AC(163)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Diphtheria-Pertussis-
### Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants. - GMI Summary

**Pubmed Data**: Braz J Infect Dis. 2009 Apr;13(2):104-6. PMID: 20140352

**Article Published Date**: Apr 01, 2009

**Authors**: Claudia R C Lopes, Eitan N Berezin, Ting Hui Ching, Jaildo de Souza Canuto, Vanilda Oliveira da Costa, Erika Monteiro Klering

**Study Type**: Human Study

**Additional Links**
- **Diseases**: Infant Infections: CK(420) : AC(45), Pneumococcal Infections : CK(50) : AC(11), Upper Respiratory Infections : CK(972) : AC(92)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(71) : AC(8)

### Pneumococcal conjugate vaccine is not effective to prevent ear infections in previously unvaccinated toddlers and children with a history of recurrent ear infections. - GMI Summary

**Pubmed Data**: Lancet. 2003 Jun 28;361(9376):2189-95. PMID: 12842372

**Article Published Date**: Jun 28, 2003

**Authors**: Reinier Veenhoven, Debby Bogaert, Cuno Uiterwaal, Carole Brouwer, Herma Kiezebrink, Jacob Bruin, Ed IJzerman, Peter Hermans, Ronald de Groot, Ben Zegers, Wietse Kuis, Ger Rijkers, Anne Schilder, Elisabeth Sanders

**Study Type**: Human Study

**Additional Links**
- **Diseases**: Ear Infection : CK(604) : AC(33), Pneumococcal Infections : CK(50) : AC(11)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(71) : AC(8)

### Pneumococcal vaccines are ineffective in children with a history of recurrent acute ear infections - Article 2. - GMI Summary


**Article Published Date**: Feb 01, 2006

**Authors**: Muriel J P van Kempen, Judith S Vermeiren, Mario Vaneechoutte, Geert Claeyts, Reinier H Veenhoven, Ger T Rijkers, Elisabeth A M Sanders, Ingeborg J Dhooge

**Study Type**: Human Study

**Additional Links**
- **Diseases**: Pneumococcal Infections : CK(50) : AC(11)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(71) : AC(8)

### Pneumococcal vaccines do not appear to reduce the risk of death from pneumonia in adult populations. - GMI Summary

**Pubmed Data**: Cochrane Database Syst Rev. 2003(4):CD000422. PMID: 14583920

**Article Published Date**: Jan 01, 2003

**Authors**: K Dear, J Holden, R Andrews, D Tatham

**Study Type**: Human Study

**Additional Links**
- **Diseases**: Pneumococcal Infections : CK(50) : AC(11), Pneumonia : CK(330) : AC(40)
- **Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Pneumococcal : CK(71) : AC(8)
Review: based on currently available research pneumococcal vaccination should not be recommended for large scale use in ear infection prone populations. - GMI Summary


Article Published Date: Jan 01, 2002

Authors: M Straetemans, E A Sanders, R H Veenhoven, A G Schilder, R A Damaoiseaux, G A Zielhuis

Study Type: Review

Additional Links

Diseases: Ear Infection: CK(604), Pneumococcal Infections: CK(50), AC(11)

Anti Therapeutic Actions: Vaccination: All: CK(3934), AC(312), Vaccination: Pneumococcal: CK(71), AC(8)

Topic: Vaccination: Lyme disease

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy. - GMI Summary


Article Published Date: Dec 09, 2009

Authors: Nizar Souayah, Senda Ajroud-Driss, Howard W Sander, Thomas H Brannagan, Arthur P Hays, Russell L Chin

Study Type: Human Study

Additional Links

Diseases: Lyme Disease: CK(32), AC(9), Neuropathy: Small Fiber: CK(10), AC(1), Rabies: CK(13), AC(3), Vaccine-Induced Toxicity: CK(1130), AC(163), Varicella: CK(50), AC(5)

Anti Therapeutic Actions: Vaccination: All: CK(3934), AC(312), Vaccination: Lyme disease: CK(11), AC(2), Vaccination: Varicella (Chicken pox): CK(164), AC(20)

Vaccination may contribute to causing a wide variety of autoimmune disorders. - GMI Summary


Article Published Date: Feb 01, 2010

Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard

Study Type: Commentary

Additional Links

Diseases: Autoimmune Diseases: CK(5317), AC(79), Guillain-Barre Syndrome: CK(84), AC(14), Human Papillomavirus (HPV): CK(153), AC(22), Inflammatory Myopathy: CK(81), AC(5), Macrophagic myofasciitis: CK(15), AC(3), Multiple Sclerosis: CK(716), AC(133), Rheumatoid Arthritis: CK(424), AC(64), Systemic Lupus Erythematosus: CK(387), AC(54), Vaccine-induced Toxicity: CK(1130), AC(163), Vasculitis: CK(48), AC(11)


Topic: Vaccination: Oral Polio Vaccine

Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary. - GMI Summary


Article Published Date: Jul 31, 2011
**Topic: Vaccination: Oral Polio Vaccine, Bivalent**

**Paralytic poliomyelitis associated with bivalent oral polio vaccines occurs at a rate over up to 70-fold higher than monovalent oral polio vaccine in Hungary.** - GMI Summary


**Article Published Date:** Jul 31, 2011

**Authors:** Concepción F Estívariz, Zsuzsanna Molnár, Linda Venczel, Beatrix Kapusinszky, James A Zingeser, Galina Y Lipskaya, Olen M Kew, György Berencsi, Agnes Csohán

**Study Type:** Human Study

**Additional Links**


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**Topic: Vaccination: Rabies**

**Rabies vaccine may be ineffective during symptomatic rabies and may contribute to "early death."** - GMI Summary

**Pubmed Data:** Vaccine. 2009 Nov 27;27(51):7173-7. PMID: 19925949

**Article Published Date:** Nov 27, 2009

**Authors:** Rodney E Willoughby

**Study Type:** Animal Study

**Additional Links**
- **Diseases:** Rabies: CK(13): AC(3)

**Anti Therapeutic Actions:** Vaccination: Rabies: CK(4): AC(3)

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**Aborted fetal cells (diploid) have been used to create the rubella, measles, mumps, rabies, polio, smallpox, hepatitis A, chickenpox, and herpes zoster vaccines.** - GMI Summary

**Pubmed Data:** Cuad Bioet. 2008 May-Aug;19(66):321-53. PMID: 18611078

**Article Published Date:** May 01, 2008

**Authors:** José Luis Redondo Calderón

**Study Type:** Review

**Additional Keywords:** Diploid Cell Vaccines: CK(1): AC(1)


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**Vaccination may contribute to causing a wide variety of autoimmune disorders.** - GMI Summary

**Pubmed Data:** Discov Med. 2010 Feb;9(45):90-7. PMID: 20193633
**Topic: Obstetric Interventions**

**The use of misoprostol for early pregnancy failure after failed expectant management is less costly than curettage.** - GMI Summary


**Article Published Date**: Apr 01, 2005

**Authors**: G C M Graziosi, J W van der Steeg, P H W Reuwer, A P Drogterp, H W Bruinse, B W J Mol

**Study Type**: Human Study

**Additional Links**

**Diseases**: Miscarriage : CK(507) : AC(35), Miscarriage: Medical Intervention : CK(125) : AC(14)

**Additional Keywords**: Surgical Alternatives : CK(20) : AC(2)

**Anti Therapeutic Actions**: Obstetric Interventions : CK(989) : AC(64), Vaccination: Diphtheria-Pertussis-Tetanus : CK(283) : AC(31)

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**Topic: Vaccination: Cholera**

**killed cholera vaccination generates an inferior immune response in comparison to patients with naturally acquired cholera.** - GMI Summary


**Article Published Date**: May 01, 2011

**Authors**: Mohammad Murshid Alam, M Asrafuzzaman Riyadh, Kaniz Fatema, Mohammad Arif Rahman, Nayeeba Akhtar, Tanvir Ahmed, Mohiul Islam Chowdhury, Fahima Chowdhury, Stephen B Calderwood, Jason B Harris, Edward T Ryan, Firdausi Qadri

**Study Type**: Human Study

**Additional Links**

**Diseases**: Cholera : CK(27) : AC(17)

**Additional Keywords**: Cholera : CK(27) : AC(17)

**Anti Therapeutic Actions**: Vaccination: All : CK(3934) : AC(312), Vaccination: Cholera : CK(20) : AC(2)

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**Topic: Vaccination: Hexavalent**

**A case of sudden infant death associated with hexavalent immunization has been reported.** - GMI Summary


**Article Published Date**: Aug 06, 2008

**Authors**: Stefano D'Errico, Margherita Neri, Irene Riezzo, Giuseppina Rossi, Cristoforo Pomara, Emanuela Turillazzi, Vittorio Fineschi

**Study Type**: Human: Case Report

**Additional Links**
**Diseases** : Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18)
**Anti Therapeutic Actions** : Vaccination: All : CK(3934) : AC(312), Vaccination: Hexavalent : CK(6) : AC(2)

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**Sudden infant death syndrome (SIDS) shortly after hexavalent vaccination has been reported.** - GMI Summary

**Article Published Date** : Jan 01, 2006
**Authors** : Giulia Ottaviani, Anna Maria Lavezzi, Luigi Matturri
**Study Type** : Human: Case Report

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**Topic: Vaccination: Nasal**

**Transverse myelitis has been reported in association with a nasal attenuated novel influenza A(H1N1) vaccine.** - GMI Summary

**Pubmed Data** : Arch Neurol. 2010 Aug;67(8):1018-20. PMID: 20697056
**Article Published Date** : Aug 01, 2010
**Authors** : Wafa Akkad, Bassel Salem, Jerome W Freeman, Mark K Huntington
**Study Type** : Human: Case Report

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**Topic: Vaccination: Plasmid DNA Vaccines**

**There is evidence that a DNA vaccine exhibits anti-fertility properties.** - GMI Summary

**Article Published Date** : Jul 12, 2011
**Authors** : Meng-Fei Yu, Wen-Ning Fang, Gao-Feng Xiong, Ying Yang, Jing-Pian Peng
**Study Type** : Animal Study

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**DNA plasmid vaccines may carry under reported risks associated with structural instability.** - GMI Summary

**Article Published Date** : Aug 01, 2010
**Authors** : Pedro H Oliveira, Kristala Jones Prather, Duarte M F Prazeres, Gabriel A Monteiro
**Study Type** : Review

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**Topic: Vaccination: Anti-Fertility**
**Vaccination for contraception.** - GMI Summary


Article Published Date: Jun 01, 1994

Authors: W R Jones

Study Type: Review

Additional Links

Diseases: Vaccine-induced Toxicity: CK(1130): AC(163)


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**Topic: Vaccination: Yellow Fever**

"Adverse events associated with 17D-derived yellow fever vaccination--United States, 2001-2002." - GMI Summary


Article Published Date: Nov 08, 2002

Study Type: Review

Additional Links

Diseases: Brain Inflammation: CK(79): AC(35), Vaccine-induced Toxicity: CK(1130): AC(163)


From 1990 to the present, the number of cases (n = 31) and deaths (n = 12) from the yellow fever vaccine in travelers has exceeded the reports of YF (n = 6) acquired by natural infection. - GMI Summary


Article Published Date: Apr 01, 2012

Authors: Thomas P Monath

Study Type: Review

Additional Links

Diseases: Vaccine-induced Toxicity: CK(1130): AC(163), Yellow Fever: CK(1): AC(1)


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**Topic: Genetically Modified Organisms**

Review: Biological safety concepts of genetically modified live bacterial vaccines. - GMI Summary


Article Published Date: Jul 26, 2007

Authors: Joachim Frey

Study Type: Review

Additional Keywords: GMO Vaccines: CK(1): AC(1)


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**Topic: Vaccination: Conjugate Vaccines**

Conjugate vaccines may predispose children to autism spectrum disorders. - GMI Summary

**Article Published Date**: Oct 10, 2011

**Authors**: Brian J Richmand

**Study Type**: Review

**Additional Links**

**Diseases**: Autism: CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112)


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**Topic**: Vaccination: GMO Vaccines

**Review: Biological safety concepts of genetically modified live bacterial vaccines. - GMI Summary**

**Pubmed Data**: Vaccine. 2007 Jul 26 ;25(30):5598-605. Epub 2006 Dec 5. PMID: 17239999

**Article Published Date**: Jul 26, 2007

**Authors**: Joachim Frey

**Study Type**: Review

**Additional Keywords**: GMO Vaccines : CK(1) : AC(1)

**Anti Therapeutic Actions**: Genetically Modified Organisms : CK(70) : AC(35), Vaccination: All : CK(3934) : AC(312), Vaccination: GMO Vaccines : CK(1) : AC(1)

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**Topic**: Vaccination: Streptococcus Pneumoniae

**Conjugate vaccines may predispose children to autism spectrum disorders. - GMI Summary**


**Article Published Date**: Oct 10, 2011

**Authors**: Brian J Richmand

**Study Type**: Review

**Additional Links**

**Diseases**: Autism: CK(1262) : AC(65), Autism Spectrum Disorders : CK(1160) : AC(112)