Vaccination: All

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Research Topic
Vaccination: All

Research Subtopics
- Vaccination: Abortion
- Vaccination: Adult Rubella
- Vaccination: Animal Model
- Vaccination: Anthrax
- Vaccination: Anti-Fertility
- Vaccination: BCG (Tuberculosis)
- Vaccination: Combinations
- Vaccination: Diphtheria-Pertussis-Tetanus
- Vaccination: GMO Vaccines
- Vaccination: HPV (Gardasil)
- Vaccination: Haemophilus Influenzae
- Vaccination: Hepatitis B
- Vaccination: Hexavalent
- Vaccination: Influenza
- Vaccination: Japanese Encephalitis Virus Vaccine
- Vaccination: Lyme disease
- Vaccination: Measles
- Vaccination: Mumps-Measles-Rubella (MMR)
- Vaccination: Nasal
Overview of Terms
Associated with Your Search Topic

291 Relevant Results for Diseases

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### New Variant Creutzfeldt-Jakob Disease

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### 9 Relevant Results for Pharmacological Actions

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<td>Tumor Necrosis Factor (TNF) Alpha Inhibitor</td>
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<td>Interleukin-6 upregulation</td>
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### 17 Relevant Results for Problem Substances

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<td>Vaccine Adjuvants</td>
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<td>Lactobacilius bulgaricus</td>
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View the Evidence.
658 Research Articles in Total.
A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows.


**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**:
- Abortion: Spontaneous: CK(214) : AC(30)
- Animal Diseases: Infectious: CK(10) : AC(5)
- Vaccination: Abortion: CK(40) : AC(13)
- Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**:
- Vaccination: All: CK(5147) : AC(438)
- Vaccination: Animal Model: CK(41) : AC(17)

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


**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**

**Diseases**:
- Abortion: Spontaneous: CK(214) : AC(30)
- Animal Diseases: Infectious: CK(10) : AC(5)
- Vaccination: Abortion: CK(40) : AC(13)
- Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**:
- Vaccination: All: CK(5147) : AC(438)
- Vaccination: Animal Model: CK(41) : AC(17)

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.


**Article Published Date**: Jun 01, 2006
Rift Valley fever vaccine in goats cause severe deleterious pathological changes in liver especially in kids and causing abortion in pregnant does.


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


The vaccination of pregnant sheep resulted in abortions and hydranencephaly.

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

Vaccination of pregnant monkeys resulted in abortions in 2 out of 25.

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

Additional Links  

Acute Autoimmune Neuropathy (AC 3) (CK 21)

Hepatitis B vaccination has been linked to autoimmune inflammatory polyneuropathy (PN).

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, Maité 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(20) : AC(2), Autoimmune inflammatory polyneuropathy (PN): CK(10) : AC(1)  
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)
Small fiber neuropathy and dysautonomia could be the common underlying pathogenesis to the group of rare reactions that follow HPV vaccination.


**Article Published Date**: Jun 30, 2015

**Authors**: Manuel Martínez-Lavín

**Study Type**: Commentary

**Additional Links**

**Diseases**: Acute Autoimmune Neuropathy : CK(20) : AC(2) , Fibromyalgia : CK(619) : AC(67) , Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

---

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

**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**


**Additional Keywords**: Influenza Vaccine : CK(10) : AC(1) , Swine Flu Vaccine : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

---

**Acute Flaccid Paralysis (AC 2) (CK 2)**

Differential diagnosis of acute flaccid paralysis and its role in poliomyelitis surveillance.

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


*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(14) : AC(4), Non-polio acute flaccid paralysis (NPAFP) : CK(12) : AC(3), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Polio : CK(98) : AC(17)
Acute Posterior Multifocal Placoid Pigment Epitheliopathy (APMPPE) (AC 1) (CK 3)

Acute posterior multifocal placoid pigment epitheliopathy after hepatitis B vaccine has been reported.


**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(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

---

Aging (AC 1) (CK 10)

Pneumococcal vaccines are ineffective in children with a history of recurrent acute ear infections.


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


**Study Type**: Human Study

**Additional Links**

**Diseases**: Aging : CK(1658) : AC(438)

**Anti Therapeutic Actions**: Vaccination: Pneumococcal : CK(75) : AC(10)
Evidence of increase in mortality after the introduction of diphtheria-tetanus-pertussis vaccine to children aged 6-35 months.


**Article Published Date** : Dec 31, 2017

**Authors** : Peter Aaby, Søren Wengel Mogensen, Amabelia Rodrigues, Christine S Benn

**Study Type** : Human Study

**Additional Links**

**Diseases** : All-Cause Mortality : CK(343) : AC(27)

**Additional Keywords** : Increased Risk : CK(1600) : AC(192)

**Anti Therapeutic Actions** : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

---

In seven studies of BCG-vaccinated children, DTP vaccination was associated with an increase in mortality in girls.


**Article Published Date** : Jan 11, 2016

**Authors** : Peter Aaby, Henrik Ravn, Ane B Fisker, Amabelia Rodrigues, Christine S Benn

**Study Type** : Meta Analysis

**Additional Links**

**Diseases** : All-Cause Mortality : CK(343) : AC(27), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords** : Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions** : Vaccination: BCG (Tuberculosis) : CK(34) : AC(5), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

---

This review concludes that vaccines alter adaptive immune cell populations and heterologous immune responses.


**Article Published Date** : Feb 19, 2019

**Authors** : Nicole L Messina, Petra Zimmermann, Nigel Curtis

**Study Type** : Review
**Allergic Rhinitis (AC 1) (CK 10)**

**Timing of routine immunisations (earlier = increased) and subsequent hay fever risk.**


*Article Published Date*: May 31, 2005

*Authors*: S A Bremner, I M Carey, S DeWilde, N Richards, W C Maier, S R Hilton, D P Strachan, D G Cook

*Study Type*: Human Study

*Additional Links*

**Diseases**: Allergic Rhinitis : CK(392) : AC(52), Immune Dysregulation: TH1/TH2 imbalance : CK(171) : AC(45), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)
**DTP or tetanus vaccination increases the risk of allergies and related respiratory symptoms in children and adolescents.**

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(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) : AC(190), Hypersensitivity : CK(74) : AC(22), Vaccine-induced Toxicity : CK(1356) : AC(210)  

---

**DTaP immunization histories suggest that the gelatin-containing DTaP vaccine may have a causal relationship to the development of this gelatin allergy.**

Article Published Date: Jan 31, 1999  
Authors: T Nakayama, C Aizawa, H Kuno-Sakai  
Study Type: Human Study  
Additional Links  
Diseases: Allergies : CK(703) : AC(132)  
Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

---

**This investigation showed an increased proportion of allergy-related adverse events following influenza immunisation.**

Pubmed Data: Euro Surveill. 2017 May 18 ;22(20). PMID: 28552101  
Article Published Date: May 17, 2017  
Authors: Hazel J Clothier, Nigel Crawford, Melissa A Russell, Jim P Buttery  
Study Type: Human Study  
Additional Links  
Diseases: Allergies : CK(703) : AC(132), Vaccine-induced Toxicity : CK(1356) : AC(210)  
Additional Keywords: Risk Factors : CK(3057) : AC(392)  
Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)
**Allergies: Childhood (AC 1) (CK 20)**

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

**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(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) : AC(190), Hypersensitivity : CK(74) : AC(22), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Tetanus : CK(77) : AC(13)

---

**Alopecia (AC 1) (CK 10)**

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.


**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(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)
Aluminum Toxicity (AC 14) (CK 56)

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

Article Published Date: Jan 01, 2012
Authors: L Tomljenovic, Ca Shaw
Study Type: Review
Additional Links
Diseases: Aluminum Toxicity: CK(207) : AC(75), Autoimmune Diseases: CK(6629) : AC(1128), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Adverse reactions after injection of adsorbed DTP vaccine are not due only to pertussis organisms or pertussis components in the vaccine.

Article Published Date: Sep 30, 1991
Authors: R K Gupta, E H Relyveld
Study Type: In Vitro Study
Additional Links
Diseases: Aluminum Toxicity: CK(207) : AC(75), Vaccine-induced Toxicity: CK(1356) : AC(210)
Additional Keywords: Vaccine Contamination: CK(5) : AC(1)
Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: DPT : CK(1) : AC(1)
Problem Substances: Aluminum : CK(274) : AC(78)

Alhydrogel injected at low dose in mouse muscle may selectively induce long-term Al cerebral accumulation and neurotoxic effects.

Article Published Date: Nov 27, 2016
Authors: Guillemette Crépeaux, Houssam Eidi, Marie-Odile David, Yasmine Baba-Amer, Eleni Tzavara, Bruno Giros, François-Jérôme Authier, Christopher Exley, Christopher A Shaw, Josette
Aluminium has been demonstrated to impact the CNS at every level, including by changing gene expression.

Pubmed Data: Immunotherapy. 2014;6(10):1055-71. PMID: [25428645](#)

Article Published Date: Dec 31, 2013

Authors: Christopher A Shaw, Dan Li, Lucija Tomljenovic

Study Type: Review

Additional Links
Diseases: Aluminum Toxicity: CK(207) : AC(75), Autoimmune Diseases: CK(6629) : AC(1128), Neurodegenerative Diseases: CK(3582) : AC(932)

Additional Keywords: Neurodegenerative Diseases: CK(3582) : AC(932), Neurodegenerative Diseases: CK(3582) : AC(932), Neurodegenerative Diseases: CK(3582) : AC(932), Gene Expression: CK(93) : AC(46), Gene Expression: CK(93) : AC(46), Gene Expression: CK(93) : AC(46)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Problem Substances: Aluminum: CK(274) : AC(78), Vaccine Adjuvants: CK(594) : AC(118)

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.


Article Published Date: Feb 01, 2009

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

Study Type: Commentary

Additional Links
Diseases: Aluminum Toxicity: CK(207) : AC(75), Chronic Fatigue Syndrome: CK(275) : AC(40), Myopathy: Inflammatory: CK(1) : AC(1), Vaccine-induced Toxicity: CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Aluminum based adjuvants causeed cell death and the subsequent release of host cell DNA, which acts as a potent endogenous immunostimulatory signal mediating
**Alum adjuvant activity.**


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

**Authors**: Thomas Marichal, Keiichi Ohata, Denis Bedoret, Claire Mesnil, Catherine Sabatel, Kouji Kobiyama, Pierre Lekeux, Cevayir Coban, Shizuo Akira, Ken J Ishii, Fabrice Bureau, Christophe J Desmet

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Aluminum Toxicity : CK(207) : AC(75)

**Pharmacological Actions**: Apoptotic : CK(2958) : AC(2075)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Aluminum : CK(274) : AC(78), Aluminum Hydroxide : CK(79) : AC(18)

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**Aluminum in neurological and neurodegenerative disease.**


**Article Published Date**: Jan 30, 2019

**Authors**: Donald R C McLachlan, Catherine Bergeron, Peter N Alexandrov, William J Walsh, Aileen I Pogue, Maire E Percy, Theodore P A Kruck, Zhide Fang, Nathan M Sharfman, Vivian Jaber, Yuhai Zhao, Wenhong Li, Walter J Lukiw

**Study Type**: Human In Vitro

**Additional Links**

**Diseases**: Aluminum Toxicity : CK(207) : AC(75), Autism Spectrum Disorders : CK(1493) : AC(159), Dementia : CK(571) : AC(79), Neurodegenerative Diseases : CK(3582) : AC(932)

**Additional Keywords**: Diseases that are Linked : CK(2345) : AC(305)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Aluminum : CK(274) : AC(78)

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**Aluminum vaccine adjuvants appear to be contributing to the rising prevalence of autism.**


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

**Authors**: Lucija Tomljenovic, Christopher A Shaw

**Study Type**: Human Study

**Additional Links**

**Diseases**: Aluminum Toxicity : CK(207) : AC(75), Autism Spectrum Disorders : CK(1493) : AC(159)

**Additional Keywords**: Diseases that are Linked : CK(2345) : AC(305)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Vaccine Adjuvants : CK(594) : AC(118)
Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.

In the present study, intracytoplasmic inclusions were constantly detected in macrophages of the MMF lesions and were shown to contain aluminium by three different methods.

Insight into the cellular fate and toxicity of aluminium adjuvants used in clinically approved human vaccinations.
Intramuscular injection of alum-containing vaccine was associated with the appearance of aluminum deposits in distant organs.

The putative role of environmental aluminium in the development of chronic neuropathology in adults and children.

Up-to-date children were exposed to 11-26% more aluminum from vaccines than undervaccinated children between 2004 and 2011.
**Amygdala: Damage/Abnormalities (AC 1) (CK 2)**

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.

*Pubmed Data*: Acta Neurobiol Exp (Wars). 2010 ;70(2):147-64. PMID: [20628439](https://doi.org/10.1193/aneurobiolexp.70.2.093-052)

*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*

*Diseases*: Amygdala: Damage/Abnormalities : CK(12) : AC(2), Neurodevelopmental Disorders : CK(217) : AC(33), Vaccine-induced Toxicity : CK(1356) : AC(210)


*Problem Substances*: Thimerosal : CK(757) : AC(85)

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**Anaphylactic Reaction (AC 1) (CK 3)**

Anaphylactic reactions to measles-mumps-rubella vaccine in three children with allergies to hen's egg and cow's...
**milk.**


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

**Authors** : Suleyman Tolga Yavuz, Umit Murat Sahiner, Bulent Enis Sekerel, Ayfer Tuncer, Omer Kalayci, Cansin Sackesen

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Anaphylactic Reaction : CK(2) : AC(1)

**Anti Therapeutic Actions** : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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**Anaphylaxis (AC 3) (CK 14)**

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


**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(67) : AC(18), Infant Mortality : CK(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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**Highly increased levels of IgE antibodies to vaccine components in children with influenza vaccine-associated anaphylaxis.**


**Article Published Date** : Sep 10, 2015

**Authors** : Mizuho Nagao, Takao Fujisawa, Toshiaki Ihara, Yoichiro Kino

**Study Type** : Human Study

**Additional Links**

**Diseases** : Anaphylaxis : CK(67) : AC(18)

**Anti Therapeutic Actions** : Vaccination: Influenza : CK(521) : AC(64)

**Problem Substances** : 2-phenoxyethanol : CK(2) : AC(2)
The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

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


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Anemia (AC 1) (CK 1)

A possible signal was detected for peginterferon alfa-2a, ribavirin and flu vaccine in the occurrence of autoimmune haemolytic anaemia.

Article Published Date: Jan 31, 2015
Authors: Carla Carnovale, Tatiana Brusadelli, Maria Luisa Casini, Francesca Renda, Sara Ruggieri, Giuseppe Pimpinella, Sonia Radice, Emilio Clementi
Study Type: Review

Diseases: Anemia: CK(111): AC(17)

Anti Therapeutic Actions: Vaccination: Influenza: CK(521): AC(64)

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Anemia: Aplastic (AC 1) (CK 10)
Varicella vaccine may be associated with aplastic anemia in children.


**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(113) : AC(12)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Varicella (Chickenpox) : CK(177) : AC(22)

---

Animal Diseases: Infectious (AC 4) (CK 8)

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


**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**


**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Animal Model : CK(41) : AC(17)

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

**Pubmed Data**: J Wildl Dis. 1991 Apr;27(2):258-64. PMID: [1906114](https://www.ncbi.nlm.nih.gov/pubmed/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
Vaccination of pregnant monkeys resulted in abortions in 2 out of 25.


Article Published Date: Apr 01, 1991

Authors: A Escajadillo, J K Frenkel

Study Type: Animal Study

Vaccine-induced scrapie has been reported in animals.

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

Animal Diseases: Porcine Circovirus Type 2 (PCV2) (AC 5) (CK 9)

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.

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(13) : AC(8)

PCV2 infection is now widespread worldwide, and increasing numbers of disease conditions have been linked to PCV2 infection in pigs.

Article Published Date: Mar 01, 2012
Authors: Xiang-Jin Meng
Study Type: Review
Additional Links
Diseases: Animal Diseases: Porcine Circovirus Type 2 (PCV2) : CK(13) : AC(8)
Anti Therapeutic Actions: Vaccination: Rotavirus : CK(56) : AC(11)

Porcine circovirus type 2 (PCV2) vaccination of pregnant pigs may result in vertical transmission of PCV2 to the offspring.

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(13) : AC(8)

The intranasal inoculation of pregnant sows with porcine circovirus 2 results in abortion and reproductive failure.
Vaccine-induced immunity in pregnant pigs is not effective in preventing viremia in offspring.

Vaccine-induced scrapie has been reported in animals.
Animal Diseases: Simian Immunodeficiency Virus (SIV) (AC 1) (CK 2)

**Vaccine-induced, simian immunodeficiency virus-specific CD8+ T cells reduce virus replication but do not protect from simian immunodeficiency virus disease progression.**

**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 Klett, 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

**Additional Links**

**Diseases**: Animal Diseases: Simian Immunodeficiency Virus (SIV) : CK(2) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Animal Model : CK(41) : AC(17)

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Animal Diseases: Smithburn Rift Valley Fever (AC 2) (CK 4)

**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.**


**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.**


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

**Authors**: Samia Ahmed Kamal

**Study Type**: Animal Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Animal Model: CK(41) : AC(17)

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**Anthrax (AC 6) (CK 42)**

**Anthrax vaccine development suffers from a wide range of potentially insurmountable problems.**

**Pubmed Data**: Przegl Epidemiol. 2009 ;63(4):505-12. PMID: [20120948](https://doi.org/10.7664/przeglepidemiologicznego2009.04-2313)

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

**Authors**: Dorota Zakowska, Janusz Kocik, Michał Bartoszcze

**Study Type**: Review

**Additional Links**

**Diseases**: Anthrax: CK(47) : AC(9)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Anthrax: CK(62) : AC(8)

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**Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.**
Injection site reactions occur in 28% of those who receive the anthrax vaccine, with women having twice the incidence of reaction versus men.

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

The development of human vaccines for anthrax has suffered from a number of technical challenges.
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.


**Article Published Date**: Feb 01, 2011

**Authors**: Pamela B Asa, Russell B Wilson, Robert F Garry

**Study Type**: Human Study

**Additional Links**

**Diseases**: Anthrax : CK(47) : AC(9), Gulf War Syndrome : CK(43) : AC(6)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Anthrax : CK(62) : AC(8)

**Problem Substances**: Squalene, Adjuvant : CK(2) : AC(1)

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**Anti-NMDA Receptor Autoimmunity (AC 1) (CK 3)**

Postural tachycardia syndrome (POTS) with anti-NMDA receptor antibodies after human papillomavirus vaccination.


**Article Published Date**: Aug 24, 2016

**Authors**: Svetlana Blitshteyn, Jill Brook

**Study Type**: Human: Case Report
Antibiotic Toxicity (AC 1) (CK 2)

Early-life antibiotic-driven dysbiosis leads to dysregulated vaccine immune responses in mice.

Pubmed Data : Cell Host Microbe. 2018 05 9 ;23(5):653-660.e5. PMID: 29746836
Article Published Date : Jan 08, 2018
Authors : Miriam Anne Lynn, Damon John Tumes, Jocelyn Mei Choo, Anastasia Sribnaia, Stephen James Blake, Lex Ee Xiang Leong, Graeme Paul Young, Helen Siobhan Marshall, Steve Lodewijk Wesselingh, Geraint Berian Rogers, David John Lynn
Study Type : Animal Study

Antibiotics : CK(330) : AC(44)

Diseases : Antibiotic Toxicity : CK(63) : AC(16), Dysbiosis : CK(387) : AC(90), Vaccine-induced Toxicity : CK(1356) : AC(210)
Additional Keywords : Risk Factors : CK(3057) : AC(392)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438)
Problem Substances : Antibiotics : CK(330) : AC(44)

Antiphospholipid Syndrome (AC 1) (CK 3)

This describes four cases of auto-immune reactions after tetanus vaccination.

Article Published Date : Jul 18, 2016
Authors : N Ruhrman-Shahar, J Torres-Ruiz, P Rotman-Pikielny, Y Levy
Study Type : Human: Case Report
Anxiety Disorders (AC 1) (CK 2)

Immunization with hepatitis B vaccine accelerates SLE-like disease in a murine model.


**Article Published Date**: Oct 31, 2014

**Authors**: Nancy Agmon-Levin, María-Teresa Arango, Shaye Kivity, Aviva Katzav, Boris Gilburd, Miri Blank, Nir Tomer, Alex Volkov, Iris Barshack, Joab Chapman, Yehuda Shoenfeld

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Anxiety Disorders : CK(1225) : AC(180), Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B : CK(468) : AC(64)

**Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18)

Aphthosis: Buccal (AC 1) (CK 3)

Cutaneous lupus erythematosus and buccal aphthosis after hepatitis B vaccination has been reported in a 6-year-old child]


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

**Authors**: P Grézard, M Chefai, V Philippot, H Perrot, M Faisant

**Study Type**: Human: Case Report
Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which persisted for at least one year.

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.


**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(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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**Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.**


**Article Published Date** : Jan 01, 2001

**Authors** : M A Fisher, S A Eklund, S A James, X Lin

**Study Type** : Human Study

**Additional Links**


**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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**This study found evidence of a causal relation between the RA 27/3 rubella vaccine strain and chronic arthritis in adult women.**


**Article Published Date** : Jul 31, 1992

**Authors** : C P Howson, M Katz, R B Johnston, H V Fineberg

**Study Type** : Human Study

**Additional Links**

**Diseases** : Arthritis : CK(1964) : AC(312)

**Additional Keywords** : Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions** : Vaccination: Adult Rubella : CK(34) : AC(6)
Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.


**Article Published Date**: Jan 01, 2001

**Authors**: M A Fisher, S A Eklund, S A James, X Lin

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

**Arthritis: Juvenile Idiopathic (AC 2) (CK 20)**

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.


**Article Published Date**: Jan 01, 2001

**Authors**: M A Fisher, S A Eklund, S A James, X Lin

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

**Thirty-five percent of children with juvenile idiopathic**
arthritis experienced flare of the disease after vaccination.

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
Diseases : Arthritis: Juvenile Idiopathic : CK(20) : AC(2), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)
Adverse Pharmacological Actions : Tumor necrosis factorα (TNFα) up-regulation : CK(55) : AC(7)

Arthritis: Juvenile Rheumatoid (AC 1) (CK 10)

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.

Article Published Date : Jan 01, 2001
Authors : M A Fisher, S A Eklund, S A James, X Lin
Study Type : Human Study
Additional Links
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)
Hepatitis B vaccination is associated with a wide range of autoimmune diseases.


**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(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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**Asthma (AC 6) (CK 71)**

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.

**Pubmed Data**: Pediatrics. 2003 Aug;112(2):e98-103. PMID: [12897314](https://doi.org/10.1016/S0036-0296(03)00170-0)

**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(1157) : AC(190), Chickenpox : CK(113) : AC(12), Corticosteroid-Induced Toxicity : CK(77) : AC(16)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

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

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(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) : AC(190), Hypersensitivity : CK(74) : AC(22), Vaccine-induced Toxicity : CK(1356) : AC(210)

Delay in diphtheria, pertussis, tetanus vaccination is associated with a reduced risk of childhood asthma.

Article Published Date: Feb 29, 2008
Authors: Kara L McDonald, Shamima I Huq, Lisa M Lix, Allan B Becker, Anita L Kozyrskyj
Study Type: Human Study
Additional Links
Diseases: Asthma : CK(1157) : AC(190)
Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

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

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(1157) : AC(190), Atopic Disease : CK(101) : AC(10), Hypersensitivity: Immediate : CK(143) : AC(14)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria : CK(30) : AC(2)

Is infant immunization a risk factor for childhood asthma or allergy?

Article Published Date: Oct 31, 1997
Pertussis vaccination and asthma: is there a link?

Article Published Date: Aug 23, 1994
Authors: M R Odent, E E Culpin, T Kimmel
Study Type: Commentary
Diseases: Asthma : CK(1157) : AC(190), Autoimmune Diseases : CK(6629) : AC(1128), Whooping Cough : CK(147) : AC(22)
Additional Keywords: Diseases that are Linked : CK(2345) : AC(305)
Anti Therapeutic Actions: Vaccination: Pertussis : CK(158) : AC(26)

Ataxia: Cerebellar (AC 1) (CK 3)

This temporal association strongly suggests that acute cerebellar ataxia was induced by the vaccination.

Article Published Date: Sep 30, 2013
Authors: Chihiro Yonee, Mitsuo Toyoshima, Yoshihiro Maegaki, Yuichi Kodama, Hiroshi Hayami, Yukitoshi Takahashi, Susumu Kusunoki, Ayumi Uchibori, Atsuro Chiba, Yoshifumi Kawano
Study Type: Human: Case Report
Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)
Diphtheria immunisation is weakly associated with an increased risk of asthma by age 7 years.

**Pubmed Data**: Thorax. 2007 Mar;62(3):270-5. Epub 2006 Nov 7. PMID: [17090571](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

**Diseases**: Asthma : CK(1157) : AC(190), Atopic Disease : CK(101) : AC(10), Hypersensitivity: Immediate : CK(143) : AC(14)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccinaton: Diptheria : CK(30) : AC(2)

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Attention Deficit Disorder (AC 1) (CK 1)

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


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

**Authors**: Donald A Drum

**Study Type**: Commentary


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

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)
Attention Deficit Disorder with Hyperactivity (AC 1) (CK 1)

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

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(5147) : AC(438)

Attention Deficit Hyperactivity Disorder (AC 1) (CK 10)

This pilot epidemiologic analysis implies that the onset of some neuropsychiatric disorders may be related to prior vaccinations.

Article Published Date : Dec 31, 2016
Authors : Douglas L Leslie, Robert A Kobre, Brian J Richmand, Selin Aktan Guloksuz, James F Leckman
Study Type : Human Study
Additional Links
Diseases : Attention Deficit Hyperactivity Disorder : CK(165) : AC(19), Attention Deficit Hyperactivity Disorder : CK(165) : AC(19), Psychiatric Disorders : CK(123) : AC(31)
Additional Keywords : Psychiatric Disorders : CK(123) : AC(31), Psychiatric Disorders : CK(123) : AC(31)
Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.


**Article Published Date**: Nov 01, 2011

**Authors**: Lucija Tomljenovic, Christopher A Shaw

**Study Type**: Human Study

**Additional Links**

**Diseases**: Autism: CK(617) : AC(73), Autism Spectrum Disorders: CK(1493) : AC(159)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

**Problem Substances**: Aluminum Hydroxide: CK(79) : AC(18)

**Adverse Pharmacological Actions**: Immunotoxic: CK(338) : AC(66), Neurotoxic: CK(1396) : AC(289)

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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.


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

**Authors**: Vijendra K Singh

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autism: CK(617) : AC(73), Autism Spectrum Disorders: CK(1493) : AC(159), Autoimmune Diseases: CK(6629) : AC(1128)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR): CK(276) : AC(37)

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Conjugate vaccines may predispose children to autism spectrum disorders.

**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.**

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

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

**Pubmed Data**: J Toxicol Environ Health A. 2010 Jan;73(24):1665-77. PMID: 21058170

**Neonatal hepatitis B vaccination may have adverse implications for brain development and cognition.**

**Neurological adverse events associated with vaccination.**


**Article Published Date**: May 31, 2002

**Authors**: Sucheep Piyasirisilp, Thiravat Hemachudha

**Study Type**: Review

**Additional Links**

**Diseases**: Autism: CK(617) : AC(73), Guillain-Barre Syndrome: CK(110) : AC(18), Multiple Sclerosis: CK(964) : AC(184), New Variant Creutzfeldt-Jakob Disease: CK(4) : AC(2), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Adverse Events: CK(37) : AC(7), Vaccine Contaminants: CK(11) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

**Problem Substances**: Aluminum: CK(274) : AC(78), Thimerosal: CK(757) : AC(85)

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**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.**


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

**Authors**: Burton A Waisbren

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autism: CK(617) : AC(73), Autoimmune Diseases: CK(6629) : AC(1128), Demyelinating Diseases: CK(1671) : AC(332), Epstein-Barr Virus Infections: CK(132) : AC(47), Hepatitis B: CK(241) : AC(46)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

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

There is evidence supporting an association between increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.

Thimerosol-containing vaccines are associated with autism prevalence and measles-containing vaccines are associated with serious neurological disorders.
This study reveals that the risk of autism significantly decreased with reductions in mercury exposure from thimerosal containing childhood vaccines.

Article Published Date: Dec 28, 2016
Authors: David A Geier, Janet K Kern, Mark R Geier
Study Type: Human Study
Diseases: Autism: CK(617) : AC(73), Autism Spectrum Disorders: CK(1493) : AC(159), Vaccine-induced Toxicity: CK(1356) : AC(210)
Problem Substances: Thimerosal: CK(757) : AC(85)

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

Article Published Date: Apr 01, 2009
Authors: Donald A Drum
Study Type: Commentary
Additional Keywords: Thimerosal: CK(3) : AC(2)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438)
A gender-selective toxicity of thimerosal was observed; this finding is relevant to autism spectrum diagnosis prevalence among males and females.


**Article Published Date**: Feb 28, 2009

**Authors**: Donald R Branch

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Autism Spectrum Disorders: CK(1493) : AC(159)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

**Problem Substances**: Thimerosal: CK(757) : AC(85)

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**Aluminum in neurological and neurodegenerative disease.**


**Article Published Date**: Jan 30, 2019

**Authors**: Donald R C McLachlan, Catherine Bergeron, Peter N Alexandrov, William J Walsh, Aileen I Pogue, Maire E Percy, Theodore P A Kruck, Zhide Fang, Nathan M Sharfman, Vivian Jaber, Yuhai Zhao, Wenhong Li, Walter J Lukiw

**Study Type**: Human In Vitro

**Additional Links**

**Diseases**: Aluminum Toxicity: CK(207) : AC(75), Autism Spectrum Disorders: CK(1493) : AC(159), Dementia: CK(571) : AC(79), Neurodegenerative Diseases: CK(3582) : AC(932)

**Additional Keywords**: Increased Risk: CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

**Problem Substances**: Aluminum: CK(274) : AC(78)

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**Aluminum vaccine adjuvants appear to be contributing to the rising prevalence of autism.**


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

**Authors**: Lucija Tomljenovic, Christopher A Shaw

**Study Type**: Human Study

**Additional Links**
Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.


**Article Published Date**: Nov 01, 2011

**Authors**: Lucija Tomljenovic, Christopher A Shaw

**Study Type**: Human Study

**Additional Links**

**Diseases**: Autism: CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18)

**Adverse Pharmacological Actions**: Immunotoxic : CK(338) : AC(66), Neurotoxic : CK(1396) : AC(289)

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


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

**Authors**: Russell L Blaylock

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autism Spectrum Disorders : CK(1493) : AC(159), Excitotoxicity : CK(58) : AC(35), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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

**Pubmed Data**: Pediatr Neurol. 2003 Apr;28(4):292-4. PMID: 12849883

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

**Authors**: Vijendra K Singh, Ryan L Jensen

**Study Type**: Human Study

**Additional Links**

**Diseases**: Autism Spectrum Disorders : CK(1493) : AC(159), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-
Autoimmune autistic disorder, a major subset of autism, is associated with autoantibody formation caused by viral (wild and vaccine-induced) infection.

Article Published Date: Jul 01, 2009
Authors: Vijendra K Singh
Study Type: Commentary
Additional Links
Diseases: Autism: CK(617) : AC(73), Autism Spectrum Disorders: CK(1493) : AC(159), Autoimmune Diseases: CK(6629) : AC(1128)

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

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(1493) : AC(159)
Anti Therapeutic Actions: Vaccination: Mumps-Measles-Rubella (MMR): CK(276) : AC(37)

Boys vaccinated as neonates had threefold greater odds for autism diagnosis compared to boys never vaccinated or vaccinated after the first month of life.

Article Published Date: Dec 31, 2009
Authors: Carolyn M Gallagher, Melody S Goodman
Study Type: Human Study
Additional Links
Diseases: Autism Spectrum Disorders: CK(1493) : AC(159)
Anti Therapeutic Actions: Vaccination: Hepatitis B: CK(468) : AC(64)
Problem Substances: Thimerosal: CK(757) : AC(85)

Conjugate vaccines may predispose children to autism
spectrum disorders.


**Article Published Date** : Oct 10, 2011

**Authors** : Brian J Richmand

**Study Type** : Review

**Additional Links**

**Diseases** : Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159)


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Content: Neurotoxic | Cumulative Knowledge: 1396 | Article Count: 289

**Pubmed Data** : NONE

**Study Type** : Human Study

**Additional Links**

**Diseases** : Autism Spectrum Disorders : CK(1493) : AC(159), Infant Neurological Development : CK(58) : AC(9)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)

**Problem Substances** : Thimerosal : CK(757) : AC(85)

**Adverse Pharmacological Actions** : Neurotoxic : CK(1396) : AC(289)

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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.**

**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**

**Diseases** : Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Autoimmune Diseases : CK(6629) : AC(1128), Measles : CK(962) : AC(39)

**Additional Keywords** : Molecular Mimicry : CK(67) : AC(15)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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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.**
Mercury exposure from thimerosal containing childhood vaccines raised the subsequent risk of atypical autism diagnosis.

Repertitive administration of aluminium to neonatal mice in amounts comparable to those to children receive via routine vaccinations result in neurodisruptive effects.

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

The putative role of environmental mercury in the pathogenesis and pathophysiology of autism spectrum disorders and subtypes.

The wakefield scare created a natural experiment that may demonstrate a causal relationship between fetal cell
There is a positive association between autism prevalence and childhood vaccination uptake across the U.S. population.

There is evidence supporting an association between increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.

These results support the hypothesis that Hg sensitivity
may be a heritable/genetic risk factor for autism spectrum disorders.

Pubmed Data : J Toxicol Environ Health A. 2011 ;74(18):1185-94. PMID: 21797771
Article Published Date : Dec 31, 2010
Authors : Kerrie Shandley, David W Austin
Study Type : Human Study
Additional Links
Diseases : Autism Spectrum Disorders : CK(1493) : AC(159), Hypersensitivity : CK(74) : AC(22)
Additional Keywords : Genomic Variation : CK(143) : AC(18), Increased Risk : CK(1600) : AC(192), Transgenerational Epigenetic Modification : CK(69) : AC(32)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438)
Problem Substances : Mercury : CK(237) : AC(38), Thimerosal : CK(757) : AC(85)

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

Article Published Date : Mar 01, 2004
Authors : David A Geier, Mark R Geier
Study Type : Meta Analysis
Additional Links
Diseases : Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

This article explores the issues and concludes that sensory dysfunction and systemic failure, manifested as autism as a consequence from the overuse of vaccines.

Article Published Date : Jun 30, 2009
Authors : Graham E Ewing
Study Type : Review
Additional Links
Diseases : Autism Spectrum Disorders : CK(1493) : AC(159)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438)
Problem Substances : Thimerosal : CK(757) : AC(85)

This study found an increased ASD risk among children
whose mothers received an influenza vaccination in their first trimester.


Article Published Date: Nov 27, 2016

Authors: Ousseny Zerbo, Yinge Qian, Cathleen Yoshida, Bruce H Fireman, Nicola P Klein, Lisa A Croen

Study Type: Human Study

Diseases: Autism Spectrum Disorders: CK(1493) : AC(159)

Additional Keywords: Autism Spectrum Disorders: CK(1493) : AC(159), Increased Risk: CK(1600) : AC(192), Increased Risk: CK(1600) : AC(192), Increased Risk: CK(1600) : AC(192), Pregnancy: CK(10) : AC(1), Pregnancy: CK(10) : AC(1)

Anti Therapeutic Actions: Vaccination: Influenza: CK(521) : AC(64)

Problem Substances: Vaccination: Influenza: CK(521) : AC(64)

VAERS had significantly higher ORs than autism following thimerosal containing DTaP vaccines in comparison to thimerosal free DTaP vaccines.


Article Published Date: Sep 29, 2011

Authors: Mieszko Olczak, Michalina Duszczyk, Pawel Mierzejewski, Ksenia Meyza, Maria Dorota Majewska

Study Type: Animal Study

Diseases: Autism Spectrum Disorders: CK(1493) : AC(159), Neurodevelopmental Disorders: CK(217) : AC(33)

Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus: CK(315) : AC(36)

Problem Substances: Thimerosal: CK(757) : AC(85)

Vaccination may be contributing to autoimmune disease.


Article Published Date: Feb 01, 2000

Authors: Y Shoenfeld, A Aron-Maor

Study Type: Commentary

Diseases: Autism Spectrum Disorders: CK(1493) : AC(159), Autoimmune Diseases: CK(6629) : AC(1128), Multiple Sclerosis: CK(964) : AC(184), Vaccine-induced Toxicity: CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438)

Vaccines and flu shots containing mercury may
Contribute to severe neurological diseases and/or death in children.


**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(5147) : AC(438)

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**Autoimmune Diseases (AC 43) (CK 132)**

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


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

**Authors**: L Tomljenovic, Ca Shaw

**Study Type**: Review

**Additional Links**

**Diseases**: Aluminum Toxicity: CK(207) : AC(75), Autoimmune Diseases: CK(6629) : AC(1128), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Aluminum: CK(274) : AC(78), Aluminum Hydroxide: CK(79) : AC(18), Vaccine Adjuvants: CK(594) : AC(118)

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**A 13-year-old girl developed immune thrombocytopenic purpura following vaccination with a quadrivalent human papillomavirus (HPV) vaccine.**

A case–control study of quadrivalent human papillomavirus vaccine-associated autoimmune adverse events.


A hypothesis explaining why so many pathogen virulence proteins are moonlighting proteins.

Pubmed Data: Pathog Dis. 2018 Jul 1;76(5). PMID: 29718264

A temporal association between immunization with HPV vaccine and the appearance of a spectrum of systemic lupus erythematosus like conditions is reported.

Adjuvants and vaccine induced autoimmunity.

**Pubmed Data**: Immunol Res. 2017 02 ;65(1):55-65. PMID: 27417999

**Article Published Date**: Dec 31, 2016

**Authors**: Jiram Torres Ruiz, Luis Luján, Miri Blank, Yehuda Shoenfeld

**Study Type**: Review

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

**Problem Substances**: Aluminum : CK(274) : AC(78)

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.

**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(6629) : AC(1128), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Adjuvant : CK(18) : AC(6)

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


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

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

**Study Type**: Animal Study
Aluminium has been demonstrated to impact the CNS at every level, including by changing gene expression.

**Pubmed Data** : Immunotherapy. 2014 ;6(10):1055-71. PMID: [25428645](https://doi.org/10.4161/imn.25428645)

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

**Authors** : Christopher A Shaw, Dan Li, Lucija Tomljenovic

**Study Type** : Review

**Additional Links**

**Diseases** : Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Neurodegenerative Diseases : CK(3582) : AC(932)

**Additional Keywords** : Neurodegenerative Diseases : CK(3582) : AC(932), Neurodegenerative Diseases : CK(3582) : AC(932), Neurodegenerative Diseases : CK(3582) : AC(932), Gene Expression : CK(93) : AC(46), Gene Expression : CK(93) : AC(46), Gene Expression : CK(93) : AC(46)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)

**Problem Substances** : Aluminum : CK(274) : AC(78), Vaccine Adjuvants : CK(594) : AC(118)

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Autoimmune and inflammatory syndrome induced by adjuvants and thyroid autoimmunity.


**Article Published Date** : Dec 31, 2015

**Authors** : Abdulla Watad, Paula David, Stav Brown, Yehuda Shoenfeld

**Study Type** : Review

**Additional Links**

**Diseases** : Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)

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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.


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

**Authors** : Vijendra K Singh

**Study Type** : Commentary

**Additional Links**
Autoimmunity following hepatitis B vaccine has been reported.


**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(6629) : AC(1128), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B : CK(468) : AC(64)

**Adverse Pharmacological Actions**: Immunotoxic : CK(338) : AC(66)

Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.


**Article Published Date**: Dec 31, 2014

**Authors**: Romain Kroum Gherardi, Housam Eidi, Guillemette Crépeaux, François Jerome Authier, Josette Cadusseau

**Study Type**: Review

**Additional Links**

**Diseases**: Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Macrophagic myofasciitis : CK(36) : AC(7)

**Additional Keywords**: Biopersistence : CK(11) : AC(2), Genomic Variation : CK(143) : AC(18), Gulf War Syndrome : CK(1) : AC(1), Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18)

**Adverse Pharmacological Actions**: Neurotoxic : CK(1396) : AC(289)

Case reports of four young women that developed demyelinating disease after the vaccination of the HPV.


**Article Published Date**: Apr 15, 2011

**Authors**: M Josefa Álvarez-Soria, Amalia Hernández-González, Sira Carrasco-García de León, MÁngeles del Real-Francia, M José Gallardo-Alcañiz, José L López-Gómez
**Development of fulminant Type 1 diabetes with thrombocytopenia after influenza vaccination has been observed.**


**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(6629) : AC(1128), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

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**Gardasil via its Al adjuvant and HPV antigens has the ability to trigger neuroinflammation and autoimmune reactions.**


**Article Published Date** : Jul 15, 2016

**Authors** : Rotem Inbar, Ronen Weiss, Lucija Tomljenovic, Maria-Teresa Arango, Yael Deri, Christopher A Shaw, Joab Chapman, Miri Blank, Yehuda Shoenfeld

**Study Type** : Animal Study

**Additional Links**

**Diseases** : Autoimmune Diseases : CK(6629) : AC(1128), Brain Inflammation : CK(274) : AC(145)

**Anti Therapeutic Actions** : Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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


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

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

**Study Type** : Human Study

**Additional Links**

**Diseases** : Arthritis : CK(1964) : AC(312), Arthritis: Rheumatoid : CK(307) : AC(55), Autoimmune
Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein.


**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(6629) : AC(1128), Demyelinating Diseases : CK(1671) : AC(332), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords**: Hepatitis B Vaccine : CK(30) : AC(2), Molecular Mimicry : CK(67) : AC(15)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

Hepatitis B vaccinations is associated with autoimmune hazards.

**Pubmed Data**: Autoimmun Rev. 2005 Feb;4(2):96-100. PMID: [15722255](https://pubmed.ncbi.nlm.nih.gov/15722255/)

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

**Authors**: Marc Girard

**Study Type**: Review

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Hepatitis B : CK(241) : AC(46), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords**: Molecular Mimicry : CK(67) : AC(15)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.
In the present study, intracytoplasmic inclusions were constantly detected in macrophages of the MMF lesions and were shown to contain aluminium by three different methods.

Infection and vaccines are triggers for autoimmune disease.

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.

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

Molecular mimicry and bystander activation are reported as possible mechanisms by which vaccines can cause autoimmune reactions.

Article Published Date: Aug 31, 2017
Authors: Maria Vadalà, Dimitri Poddighe, Carmen Laurino, Beniamino Palmieri
Study Type: Review

Narcolepsy type 1 is most likely an autoimmune disease.

Article Published Date: May 31, 2018
Authors: Tomi Sarkanen, Anniina Alakuijala, Ilkka Julkunen, Markku Partinen
Study Type: Review

Narcolepsy with cataplexy and hyperthyroidism sudden appeared after H1N1 vaccination.
Pertussis vaccination and asthma: is there a link?

Recent concerns about a possible association between exposure of young women to HPV vaccines and two dysautonomic syndromes.

Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.
Swine flu vaccine adjuvants may cause harm in patients with autoimmune diseases such as multiple sclerosis.


Article Published Date: Feb 18, 2010

Authors: Serefnur Oztürk

Study Type: Commentary

Additional Links

Diseases: Autoimmune Diseases: CK(6629): AC(1128), Multiple Sclerosis: CK(964): AC(184)

Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Influenza: CK(521): AC(64)

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


Article Published Date: Jan 01, 2009

Authors: Darja Kanduc

Study Type: In Vitro Study

Additional Links

Diseases: Autoimmune Diseases: CK(6629): AC(1128)


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


Article Published Date: Jan 01, 2005

Authors: E Faure

Study Type: Commentary

Additional Links

Diseases: Autoimmune Diseases: CK(6629): AC(1128)

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.

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

**Additional Links**
**Diseases**: Autism : CK(617) : AC(73), Autoimmune Diseases : CK(6629) : AC(1128), Demyelinating Diseases : CK(1671) : AC(332), Epstein-Barr Virus Infections : CK(132) : AC(47), Hepatitis B : CK(241) : AC(46)
**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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.

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

**Additional Links**
**Diseases**: Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Autoimmune Diseases : CK(6629) : AC(1128), Measles : CK(962) : AC(39)
**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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

This case of acute pancreatitis after HPV vaccination is not a novel entity.


This describes four cases of auto-immune reactions after tetanus vaccination.


This review found evidence of a causal relationship between HPV vaccine and autoimmune diseases in a few cases in the examined studies, and the risk vs. benefit of vaccination is still to be solved.
This study supports an association between increasing exposure from thimerosal containing childhood vaccines and the subsequent risk of specific delays in development among males and females.

Vaccination may be contributing to autoimmune disease.

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


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**Vaccine-induced autoimmunity: the role of molecular mimicry and immune crossreaction.**


**Article Published Date** : Mar 04, 2018

**Authors** : Yahel Segal, Yehuda Shoenfeld

**Study Type** : Review

**Additional Links**

**Diseases** : Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords** : Molecular Mimicry : CK(67) : AC(15)

**Anti Therapeutic Actions** : Vaccination: Hepatitis B : CK(468) : AC(64), Vaccination: HPV (Gardasil) : CK(347) : AC(58), Vaccination: Influenza : CK(521) : AC(64)

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


**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(6629) : AC(1128), Multiple Sclerosis : CK(964) : AC(184)

**Additional Keywords** : Diseases that are Linked : CK(2345) : AC(305)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)
Autoimmune inflammatory polyneuropathy (PN) (AC 1) (CK 10)

Hepatitis B vaccination has been linked to autoimmune inflammatory polyneuropathy (PN).

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(20) : AC(2), Autoimmune inflammatory polyneuropathy (PN) : CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) (AC 8) (CK 39)

A case of a 14-year-old girl who developed postural orthostatic tachycardia syndrome with chronic fatigue 2 months following Gardasil vaccination.

Article Published Date: Dec 31, 2013
Authors: Lucija Tomljenovic, Serena Colafrancesco, Carlo Perricone, Yehuda Shoenfeld
Study Type: Human: Case Report
Additional Links
Diseases: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4)
**A sudden onset of a pseudo-neurological syndrome after HPV-16/18 AS04-adjuvated vaccine.**

**Pubmed Data**: Immunol Res. 2014 Dec;60(2-3):236-46. PMID: [25388965](https://pubmed.ncbi.nlm.nih.gov/25388965)

**Article Published Date**: Nov 30, 2014

**Authors**: Dimitri Poddighe, Lucia Castelli, Gian Luigi Marseglia, Paola Bruni

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4)

**Vaccination**: HPV (Gardasil) : CK(347) : AC(58)

**Problem Substances**: Vaccine Adjuvants : CK(594) : AC(118)

---

**Severe ASIA may be observed after influenza vaccines and other vaccines.**


**Article Published Date**: Jul 12, 2016

**Authors**: Luis J Jara, Grettel García-Collinot, Gabriela Medina, Maria Del Pilar Cruz-Dominguez, Olga Vera-Lastra, Rosa A Carranza-Muleiro, Miguel A Saavedra

**Study Type**: Review

**Additional Links**

**Diseases**: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4)

**Vaccine-induced Toxicity**: CK(1356) : AC(210)

**Vaccination**: All : CK(5147) : AC(438)

**Vaccination**: HPV (Gardasil) : CK(347) : AC(58)

---

**The emergence of ASIA syndrome is associated with individual genetic predisposition.**


**Article Published Date**: Dec 31, 2016

**Authors**: A Watad, M Quaresma, S Brown, J W Cohen Tervaert, I Rodríguez-Pint, R Cervera, C Perricone, Y Shoenfeld

**Study Type**: Review

**Additional Links**

**Diseases**: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4)

**Additional Keywords**: Genomic Variation : CK(143) : AC(18)

**Vaccination**: Hepatitis B : CK(468) : AC(64)
This review concludes that chronic adjuvant stimulation may lead to lymphoma.


**Article Published Date**: Jan 31, 2015

**Authors**: Dana Butnaru, Yehuda Shoenfeld

**Study Type**: Review

**Additional Links**

**Diseases**: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4), Inflammation : CK(3240) : AC(882), Lymphoma : CK(253) : AC(83)

**Additional Keywords**: Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Aluminum : CK(274) : AC(78), Vaccine Adjuvants : CK(594) : AC(118)

This study presents the first systematic estimation of ASIA incidence and expands the knowledge on this pathology.


**Article Published Date**: Jan 31, 2015

**Authors**: Paolo Pellegrino, Valentina Perrone, Marco Pozzi, Carla Carnovale, Cristiana Perrotta, Emilio Clementi, Sonia Radice

**Study Type**: Human Study

**Additional Links**

**Diseases**: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4), Inflammation : CK(3240) : AC(882)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

**Problem Substances**: Vaccine Adjuvants : CK(594) : AC(118)

This study suggests that in some cases chronic fatigue and fibromyalgia can be temporally related to immunization, as part of ASIA syndrome.


**Article Published Date**: Nov 30, 2014

**Authors**: Nancy Agmon-Levin, Yaron Zafrir, Shaye Kivity, Ari Balofsky, Howard Amital, Yehuda Shoenfeld

**Study Type**: Human Study

**Additional Links**

**Diseases**: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4),
This was a case study in which 3 patients with autoimmune/auto-inflammatory syndrome induced by adjuvants (ASIA) after quadrivalent human papillomavirus vaccination (HPV).


**Article Published Date**: May 10, 2015

**Authors**: Juan-Manuel Anaya, Benjamin Reyes, Ana M Perdomo-Arciniegas, Bernardo Camacho-Rodríguez, Adriana Rojas-Villarraga

**Study Type**: Human Study

**Additional Links**

**Diseases**: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4)

**Additional Keywords**: Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

**Problem Substances**: Vaccine Adjuvants : CK(594) : AC(118)

**Adverse Pharmacological Actions**: Immunotoxic : CK(338) : AC(66), Inflammatory : CK(298) : AC(83)

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**Avian Leukosis Viruses (ALV-E) (AC 2) (CK 3)**

Isolation and characterization of an adventitious avian leukosis virus isolated from commercial Marek's disease vaccines.


**Article Published Date**: Aug 31, 2006

**Authors**: Aly Fadly, Robert Silva, Henry Hunt, Arun Pandiri, Carolyn Davis

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Avian Leukosis Viruses (ALV-E) : CK(2) : AC(1)

**Additional Keywords**: Vaccine Contamination : CK(5) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)
These findings demonstrate that vaccination of the commercial live vaccines might be a potential new route for ALV-J transmission in chickens.


Article Published Date: Jul 31, 2018

Authors: P Wang, L Lin, H Li, M Shi, Z Gu, P Wei

Study Type: Animal Study

Diseases: Avian Leukosis Viruses (ALV-E) : CK(2) : AC(1), Vaccine-induced Toxicity : CK(1356) : AC(210)

Additional Keywords: Vaccine Contamination : CK(5) : AC(1)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

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**Behcet Disease (AC 1) (CK 3)**

Behcet's disease and severe inflammatory reaction to 23-valent pneumococcal polysaccharide vaccine.


Article Published Date: Sep 24, 2018

Authors: MohammadMahdi Saeidinejad, Sally Kardash, Laura Connell

Study Type: Human: Case Report, Review

Diseases: Behcet Disease : CK(11) : AC(7), Vaccine-induced Toxicity : CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: Pneumococcal : CK(75) : AC(10)

---

**Bell's Palsy (AC 3) (CK 16)**

Bell's palsy is a possible complication of hepatitis B
vaccination in children.

This study observed a temporal association between occurrence of Bell’s palsy and receipt of MenACWY-CRM concomitantly with other vaccines.

Transient facial nerve paralysis (Bell's palsy) following administration of hepatitis B recombinant vaccine.
Birth defects are more common in pregnant women who received the anthrax vaccine during their first trimester versus later in pregnancy.


**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(47) : AC(9), Birth Defects : CK(204) : AC(39), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Anthrax : CK(62) : AC(8)

**Adverse Pharmacological Actions**: Teratogenic : CK(322) : AC(64)

---

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

**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**

**Diseases**: Birth Defects : CK(204) : AC(39), Pregnancy: Vaccination : CK(92) : AC(16), Rubella : CK(64) : AC(8), Vaccination: Abortion : CK(40) : AC(13), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Adult Rubella : CK(34) : AC(6), Vaccination: All : CK(5147) : AC(438)

---

**Brachial Plexus Neuritis (AC 1) (CK 3)**

A case report of brachial plexus neuritis following HPV vaccination.


**Article Published Date**: Aug 17, 2008

**Authors**: Ph Debeer, P De Munter, F Bruyninckx, R Devlieger
Incidence of apnoea and bradycardia in preterm infants following triple antigen immunization.


Authors: S J Botham, D Isaacs

Bradydcardia (AC 1) (CK 10)

Serum antibodies to JC virus, BK virus, simian virus 40, and the risk of incident adult astrocytic brain tumors.


Authors: Dana E M Rollison, Kathy J Helzlsouer, Anthony J Alberg, Sandra Hoffman, Jean Hou, Richard Daniel, Keerti V Shah, Eugene O Major

Brain Cancer (AC 1) (CK 10)
**Brain Inflammation (AC 2) (CK 3)**

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

**Pubmed Data** : MMWR Morb Mortal Wkly Rep. 2002 Nov 8 ;51(44):989-93. PMID: [12455906](#)

**Article Published Date** : Nov 08, 2002

**Study Type** : Review

**Additional Links**

**Diseases** : Brain Inflammation : CK(274) : AC(145), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Yellow Fever : CK(23) : AC(5)

---

**Gardasil via its Al adjuvant and HPV antigens has the ability to trigger neuroinflammation and autoimmune reactions.**


**Article Published Date** : Jul 15, 2016

**Authors** : Rotem Inbar, Ronen Weiss, Lucija Tomljenovic, Maria-Teresa Arango, Yael Deri, Christopher A Shaw, Joab Chapman, Miri Blank, Yehuda Shoenfeld

**Study Type** : Animal Study

**Additional Links**

**Diseases** : Autoimmune Diseases : CK(6629) : AC(1128), Brain Inflammation : CK(274) : AC(145)

**Anti Therapeutic Actions** : Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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**Breast Augmentation Complications (AC 1) (CK 10)**

**Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.**

C-Reactive Protein (AC 2) (CK 20)

CRP level in infants is elevated in the 48 hours following immunization.


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

Pubmed Data : J Intern Med. 2010 Sep 1. Epub 2010 Sep 1. PMID: 20964738
Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.

Article Published Date: Sep 20, 2011
Authors: Lisa M Christian, Jay D Iams, Kyle Porter, Ronald Glaser

Critical assessment of virologic and epidemiologic data suggests a probable causative role for SV40 in certain human cancers.

Pubmed Data: J Natl Cancer Inst. 1999 Jan 20 ;91(2):119-34. PMID: 9923853
Article Published Date: Jan 19, 1999
Simian virus 40 and human cancer.

Article Published Date: Mar 31, 1998
Authors: L Mutti, M Carbone, G G Giordano, A Giordano
Study Type: Review
Additional Links
Diseases: Cancers: All : CK(14773) : AC(4596), Simian virus 40 (SV40) : CK(102) : AC(20)
Pharmacological Actions: Cell cycle arrest : CK(810) : AC(612)
Anti Therapeutic Actions: Vaccination: Polio : CK(98) : AC(17)
Problem Substances: Simian virus 40 (SV40) : CK(114) : AC(24)

The biological activities of simian virus 40 large-T antigen and its possible oncogenic effects in humans.

Article Published Date: Mar 31, 1998
Authors: C M Matker, P Rizzo, H I Pass, I Di Resta, A Powers, L Mutti, W M Kast, M Carbone
Study Type: Review
Additional Links
Diseases: Cancers: All : CK(14773) : AC(4596), Simian virus 40 (SV40) : CK(102) : AC(20)
Anti Therapeutic Actions: Vaccination: Polio : CK(98) : AC(17)
Problem Substances: Simian virus 40 (SV40) : CK(114) : AC(24)

Cardiovascular Diseases (AC 1) (CK 10)

Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.
Cataract (AC 1) (CK 10)

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

Central Nervous System Diseases (AC 1) (CK 3)

This report serves to document a case of CNS
**demyelination occurring 24h after influenza vaccination in a middle-aged patient.**


Article Published Date: Aug 30, 2014

Authors: Aaron Sacheli, Raymond Bauer

Study Type: Human: Case Report

Additional Links

Diseases: Central Nervous System Diseases : CK(6) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)

Additional Keywords: Vaccine-induced Toxicity : CK(1356) : AC(210), Influenza Vaccine : CK(10) : AC(1), Influenza Vaccine : CK(10) : AC(1)

Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)

Problem Substances: Mercury : CK(237) : AC(38)

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**Cervical Cancer (AC 3) (CK 23)**

**Cervical cancers after human papillomavirus vaccination.**


Article Published Date: Jan 31, 2009

Authors: Uziel Beller, Nadeem R Abu-Rustum

Study Type: Human: Case Report

Additional Links

Diseases: Cervical Cancer : CK(345) : AC(144)

Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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**The present study hypothesizes that there may be a continuous shift in the prevalence of HPV types as a result of vaccination.**


Article Published Date: Jun 30, 2016

Authors: Sonja Fischer, Marcus Bettstetter, Andrea Becher, Marlene Lessel, Cyril Bank, Matthias Krams, Ingrid Becker, Arndt Hartmann, Wolfgang Jagla, Andreas Gaumann

Study Type: Human Study

Additional Links

Diseases: Cervical Cancer : CK(345) : AC(144), Human Papillomavirus (HPV) : CK(212) : AC(35)
**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

---

**The risk of miscarriage increases following HPV vaccination.**

**Pubmed Data**: BMJ. 2010;340:c712. Epub 2010 Mar 2. PMID: [20197322](https://doi.org/10.1136/bmj.c712)

**Article Published Date**: Jan 01, 2010

**Authors**: Sholom Wacholder, Binghu 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(345) : AC(144)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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**Chickenpox (AC 12) (CK 113)**

**A chickenpox outbreak occurred in a school in which 97% of students without a prior history of chickenpox were vaccinated.**

**Pubmed Data**: Pediatrics. 2004 Mar ;113(3 Pt 1):455-9. PMID: [14993534](https://doi.org/10.1542/peds.113.3.455)

**Article Published Date**: Feb 29, 2004

**Authors**: Barna D Tugwell, Lore E Lee, Hilary Gillette, Eileen M Lorber, Katrina Hedberg, Paul R Cieslak

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Chickenpox : CK(113) : AC(12)

**Additional Keywords**: Vaccine Failure : CK(255) : AC(32)

**Anti Therapeutic Actions**: Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

---

**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.**
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.

Increasing varicella vaccine coverage in Australia between 1998-2009 corresponds with increased levels of herpes zoster (shingles) cases managed in the same time period.
Loss of vaccine-induced immunity to varicella over time.

Article Published Date: Mar 14, 2007
Authors: Sandra S Chaves, Paul Gargiullo, John X Zhang, Rachel Civen, Dalya Guris, Laurene Mascola, Jane F Seward
Study Type: Human Study
Additional Links
Diseases: Chickenpox : CK(113) : AC(12)
Anti Therapeutic Actions: Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Varicella vaccination in South Korea, despite high compliance rates (via mandatory vaccination), has not eradicated the disease.

Article Published Date: Apr 30, 2014
Authors: Sung Hee Oh, Eun Hwa Choi, Seon Hee Shin, Yun-Kyung Kim, Jin Keun Chang, Kyong Min Choi, Jae Kyun Hur, Kyung-Hyo Kim, Jae Youn Kim, Eun Hee Chung, Soo Young Lee, Su Eun Park, Sungho Cha, Kwang-Nam Kim, Sang Hyuk Ma, Byung Wook Eun, Nam Hee Kim, Dae Sun Jo, Bo Youl Choi, Shin Ah Kim
Study Type: Human Study
Additional Links
Diseases: Chickenpox : CK(113) : AC(12)
Anti Therapeutic Actions: Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

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

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(113) : AC(12), Viremia : CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

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

Varicella vaccine may be associated with aplastic anemia in children.

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

**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.**

**Child Mortality (AC 5) (CK 32)**
Evidence exists demonstrating that diphtheria-tetanus-pertussis (DTP) vaccines increase mortality in children.

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(74) : AC(9), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

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

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(74) : AC(9), Measles: CK(962) : AC(39)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Measles: CK(252) : AC(31)

Measles vaccination in developing countries has resulted in higher infant mortality rates.

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(74) : AC(9), Measles: CK(962) : AC(39), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Measles: CK(252) : AC(31)

Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.
**BCG revaccination may raise mortality in young children.**

- **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
- **Diseases**: Childhood Infections : CK(275) : AC(29), Tuberculosis : CK(332) : AC(55)
- **Anti Therapeutic Actions**: Vaccination: BCG (Tuberculosis) : CK(34) : AC(5)

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

- **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(110) : AC(18), Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1356) : AC(210)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)
Influenza vaccines were not shown to be effective among children 6 to 59 months of age during 2 influenza seasons.


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 Lofthus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat,

Study Type: Human Study

Additional Links

Diseases: Childhood Infections : CK(275) : AC(29), Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.


Article Published Date: Nov 01, 2008

Authors: Debra J Hendrickson, Dean A Blumberg, Jesse P Joad, Sanjay Jhawar, Ruth J McDonald

Study Type: Human Study

Additional Links


Anti Therapeutic Actions: Vaccination: Pneumococcal : CK(75) : AC(10)

Cholera (AC 1) (CK 10)

killed cholera vaccination generates an inferior immune response in comparison to patients with naturally acquired cholera.

Chorioretinitis (AC 1) (CK 3)

**Acute posterior multifocal placoid pigment epitheliopathy after hepatitis B vaccine has been reported.**

**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(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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Chronic Fatigue Syndrome (AC 6) (CK 27)

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as
macrophagic myofasciitis.

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

The common immunogenic etiology of chronic fatigue syndrome: from infections to vaccines via adjuvants to the ASIA 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.

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(275) : AC(40), Macrophagic myofasciitis : CK(36) : AC(7), Pseudolymphoma : CK(3) : AC(1)
Anti Therapeutic Actions : Vaccination: All : CK(517) : AC(438)
Problem Substances : Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)
Adverse Pharmacological Actions : Immunotoxic : CK(338) : AC(66)

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

Article Published Date : May 01, 2010
Authors : Takayuki Miyazawa
Study Type : Animal Study
Additional Links
Diseases : Chronic Fatigue Syndrome : CK(275) : AC(40), Prostate Cancer : CK(1586) : AC(463), Retroviruses : CK(7) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions : Vaccination: All : CK(517) : AC(438)

This study suggests that in some cases chronic fatigue and fibromyalgia can be temporally related to immunization, as part of ASIA syndrome.

Pubmed Data : Immunol Res. 2014 Dec ;60(2-3):376-83. PMID: 25427994
Article Published Date : Nov 30, 2014
Authors : Nancy Agmon-Levin, Yaron Zafrir, Shaye Kivity, Ari Balofsky, Howard Amital, Yehuda Shoenfeld
Study Type : Human Study
Additional Links
Diseases : Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4), Chronic Fatigue Syndrome : CK(275) : AC(40), Fibromyalgia : CK(619) : AC(67)
Additional Keywords : Autoantibodies : CK(40) : AC(4), Increased Risk : CK(1600) : AC(192)
Anti Therapeutic Actions : Vaccination: Hepatitis B : CK(468) : AC(64)
**Circadian Dysregulation (AC 1) (CK 10)**

*Typhoid vaccination produced significant impairments in several measures of sleep continuity.*


**Article Published Date**: Aug 08, 2016

**Authors**: Ann L Sharpley, Charlotte M Cooper, Clare Williams, Beata R Godlewska, Philip J Cowen

**Study Type**: Human Study

**Additional Links**

**Diseases**: Circadian Dysregulation : CK(165) : AC(34), Sleep Disorders : CK(361) : AC(44)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Adverse Pharmacological Actions**: Inflammatory : CK(298) : AC(83)

---

**Cognitive Decline/Dysfunction (AC 2) (CK 20)**

*Delayed manifestation of cognitive dysfunction in the post-vaccinated girls has attracted attention.*

**Pubmed Data**: Brain Nerve. 2015 Jul ;67(7):835-43. PMID: [26160812](https://pubmed.ncbi.nlm.nih.gov/26160812/)

**Article Published Date**: Jun 30, 2015

**Authors**: Shu-ichi Ikeda

**Study Type**: Human Study

**Additional Links**

**Diseases**: Cognitive Decline/Dysfunction : CK(1163) : AC(215), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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**Long-term persistence of vaccine-derived aluminum**
hydroxide within the body assessed by MMF is associated with cognitive dysfunction.


**Article Published Date**: Oct 31, 2009

**Authors**: Maryline Couette, Marie-Françoise Boisse, Patrick Maison, Pierre Brugieres, Pierre Cesaro, Xavier Chevalier, Romain K Gherardi, Anne-Catherine Bachoud-Levi, François-Jérôme Authier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Cognitive Decline/Dysfunction : CK(1163) : AC(215), Macrophagic myofasciitis : CK(36) : AC(7)

**Additional Keywords**: Increased Risk : CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18)

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**Cold and Flu: Infants & Children (AC 1) (CK 20)**

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


**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(101) : AC(10), Influenza A : CK(387) : AC(101)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)
Crohn's disease (CD) and ulcerative colitis (UC) found an association between the poliomyelitis vaccine and risk for developing CD.

Article Published Date: Jul 31, 2015
Authors: Guillaume Pineton de Chambrun, Luc Dauchet, Corinne Gower-Rousseau, Antoine Cortot, Jean-Frédéric Colombel, Laurent Peyrin-Biroulet
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: Polio: CK(98): AC(17)

HPV vaccination has been linked to increased Crohn's and colitis disease incidence.

Pubmed Data: Hum Vaccin Immunother. 2016 12;12(12):3177-3185. PMID: 27841725
Article Published Date: Jan 11, 2016
Authors: Matti Lehtinen, Tiina Eriksson, Dan Apter, Mari Hokkanen, Kari Natunen, Jorma Paavonen, Eero Pukkala, Maria-Genalin Angelo, Julia Zima, Marie-Pierre David, Sanjoy Datta, Dan Bi, Frank Struyf, Gary Dubin
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: HPV (Gardasil): CK(347): AC(58)
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.


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(1157) : AC(190), Chickenpox: CK(113) : AC(12), Corticosteroid-Induced Toxicity: CK(77) : AC(16)


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Crohn's Disease (AC 3) (CK 21)

Crohn's disease (CD) and ulcerative colitis (UC) found an association between the poliomyelitis vaccine and risk for developing CD.


Article Published Date: Jul 31, 2015

Authors: Guillaume Pineton de Chambrun, Luc Dauchet, Corinne Gower-Rousseau, Antoine Cortot, Jean-Frédéric Colombel, Laurent Peyrin-Biroulet

Study Type: Human Study

Additional Links

Diseases: Colitis: CK(255) : AC(111), Crohn's Disease: CK(156) : AC(32), Inflammatory Bowel Diseases: CK(1052) : AC(197), Vaccine-induced Toxicity: CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: Polio: CK(98) : AC(17)

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HPV vaccination has been linked to increased Crohn's and colitis disease incidence.

Pubmed Data: Hum Vaccin Immunother. 2016 12 ;12(12):3177-3185. PMID: 27841725
It is hypothesized, in the present review, that Al is a potential factor for induction or maintaining the inflammation in Crohn's disease.


Cystic Fibrosis (AC 2) (CK 30)

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

There is currently no evidence from randomised studies that influenza vaccine given to people with CF is of benefit to them.

**Pubmed Data**: Cochrane Database Syst Rev. 2009 Oct 7;(4):CD001753. PMID: [19821281](https://doi.org/10.1002/14651858.CD001753.pub2)

**Article Published Date**: Oct 07, 2009

**Authors**: Poonam Dharmaraj, Rosalind L Smyth

**Study Type**: Meta Analysis

**Diseases**: Cystic Fibrosis: CK(547) : AC(83)

**Additional Keywords**: Vaccine Research: CK(20) : AC(1)

**Anti Therapeutic Actions**: Vaccination: Influenza: CK(521) : AC(64)

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**Cytomegalovirus Infections (AC 1) (CK 2)**

**Live oral poliovirus vaccines and simian cytomegalovirus.**

**Pubmed Data**: Biologicals. 2002 Sep ;30(3):167-74. PMID: [12217341](https://doi.org/10.1016/S0264-410X(02)80022-5)

**Article Published Date**: Aug 31, 2002

**Authors**: Ana M Sierra-Honigmann, Philip R Krause

**Study Type**: Animal Study, In Vitro Study

**Diseases**: Cytomegalovirus Infections: CK(99) : AC(37)

**Additional Keywords**: Vaccine Contamination: CK(5) : AC(1)

**Anti Therapeutic Actions**: Vaccination: Oral Polio Vaccine: CK(24) : AC(4)

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**Deafness: Sudden (AC 1) (CK 3)**
A case report of bilateral deafness two days following influenza vaccination.

Article Published Date: Aug 16, 2018
Authors: Claudia Kolarov, M Loebermann, C Fritzsche, C Hemmer, R Mlynski, E C Reisinger
Study Type: Human: Case Report
Additional Links
Diseases: Deafness: Sudden : CK(3) : AC(1)
Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)
Problem Substances: Thimerosal : CK(757) : AC(85)

Dementia (AC 1) (CK 5)

Aluminum in neurological and neurodegenerative disease.

Article Published Date: Jan 30, 2019
Authors: Donald R C McLachlan, Catherine Bergeron, Peter N Alexandrov, William J Walsh, Aileen I Pogue, Maire E Percy, Theodore P A Kruck, Zhide Fang, Nathan M Sharfman, Vivian Jaber, Yuhai Zhao, Wenhong Li, Walter J Lukiw
Study Type: Human In Vitro
Additional Links
Diseases: Aluminum Toxicity : CK(207) : AC(75), Autism Spectrum Disorders : CK(1493) : AC(159), Dementia : CK(571) : AC(79), Neurodegenerative Diseases : CK(3582) : AC(932)
Additional Keywords: Increased Risk : CK(1600) : AC(192)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)
Problem Substances: Aluminum : CK(274) : AC(78)

Demyelinating Diseases (AC 11) (CK 68)
A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.


Article Published Date: Sep 28, 2014

Authors: Mariella Valenzise, Antonio Cascio, Malgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi

Study Type: Human: Case Report

Additional Links


Anti Therapeutic Actions: Vaccination: Mumps-Measles-Rubella (MMR): CK(276): AC(37)

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


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(5147): AC(438)

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

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(67): AC(15)

Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Mumps-Measles-
HPV vaccination has been linked to demyelination.

**Pubmed Data**: J Child Neurol. 2010 Mar;25(3):321-7. PMID: [20189933](#)

**Article Published Date**: Mar 01, 2010

**Authors**: Francis J DiMario, Mirna Hajjar, Thomas Ciesielski

**Study Type**: Human Study

**Additional Links**

**Diseases**: Demyelinating Diseases: CK(1671) : AC(332)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: HPV (Gardasil): CK(347) : AC(58)

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


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

**Authors**: Yannick Comenge, Marc Girard

**Study Type**: Commentary

**Additional Links**

**Diseases**: Demyelinating Diseases: CK(1671) : AC(332), Hepatitis B: CK(241) : AC(46), Multiple Sclerosis: CK(964) : AC(184), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

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

**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(1671) : AC(332), Inflammation: CK(3240) : AC(882), Multiple Sclerosis: CK(964) : AC(184)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)
Hepatitis B vaccination may contribute to autoimmune demyelinating complications due to immunological cross-reactivity between Hepatitis B virus surface antigen and myelin basic protein.


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(6629) : AC(1128), Demyelinating Diseases: CK(1671) : AC(332), Vaccine-induced Toxicity: CK(1356) : AC(210)

Additional Keywords: Molecular Mimicry: CK(67) : AC(15)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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

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(1671) : AC(332), Hepatitis B: CK(241) : AC(46), Multiple Sclerosis: CK(964) : AC(184), Vaccine-induced Toxicity: CK(1356) : AC(210)

Additional Keywords: Molecular Mimicry: CK(67) : AC(15)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

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


Article Published Date: Jan 01, 2009

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

Study Type: Human Study


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

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: HPV (Gardasil):
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.

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

Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).

Article Published Date: Nov 30, 2014
Authors: Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng
Study Type: Human Study
**Typhoid but not placebo injection produced an inflammatory response indexed by increased circulating interleukin-6 and significant mood reduction at 3 hours.**


**Article Published Date**: Aug 31, 2009

**Authors**: Neil A Harrison, Lena Brydon, Cicely Walker, Marcus A Gray, Andrew Steptoe, Hugo D Critchley

**Study Type**: Human Study

**Additional Links**

**Diseases**: Depressive Disorder: CK(426) : AC(60), Inflammation: CK(3240) : AC(882), Mood Disorders: CK(156) : AC(19)

**Additional Keywords**: Cytokines: CK(33) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

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**Dermatitis (AC 1) (CK 3)**

**Systemic allergic contact dermatitis after formaldehyde-containing influenza vaccination.**


**Article Published Date**: Aug 31, 2015

**Authors**: L Alexandra Kuritzky, Melanie Pratt

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Dermatitis: CK(1392) : AC(137), Formaldehyde Toxicity: CK(6) : AC(3), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Risk Factors: CK(3057) : AC(392)

**Anti Therapeutic Actions**: Vaccination: Influenza: CK(521) : AC(64)

**Problem Substances**: Aspartame: CK(135) : AC(47), Formaldehyde: CK(23) : AC(13), Thimerosal: CK(757) : AC(85)

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**Dermatomyositis (AC 3) (CK 7)**
Hepatitis B vaccine associated with dermatomyositis has been reported.


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

**Authors**: Arie Altman, Martine Szyper-Kravitz, Yehuda Shoenfeld

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Dermatomyositis : CK(47) : AC(10), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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


**Article Published Date**: May 15, 2010

**Authors**: Joerg-Patrick Stübgen

**Study Type**: Review

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Myasthenia Gravis : CK(82) : AC(14), Neuromuscular Diseases : CK(16) : AC(4), Neuropathies : CK(600) : AC(119), Polyarteritis Nodosa : CK(1) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

This describes four cases of auto-immune reactions after tetanus vaccination.


**Article Published Date**: Jul 18, 2016

**Authors**: N Ruhrman-Shahar, J Torres-Ruiz, P Rotman-Pikielny, Y Levy

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Antiphospholipid Syndrome : CK(3) : AC(1), Autoimmune Diseases : CK(6629) : AC(1128), Dermatomyositis : CK(47) : AC(10), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Systemic Lupus Erythematosus : CK(466) : AC(67)

**Additional Keywords**: Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions**: Vaccination: Tetanus : CK(77) : AC(13)
This study provides new evidence to confirm a significant relationship between exposure to thimerosal and increased diagnosis for delays in development.


**Article Published Date**: Jul 08, 2015

**Authors**: David A Geier, Janet K Kern, Brian S Hooker, Paul G King, Lisa K Sykes, Mark R Geier

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Developmental Disorder: Children : CK(71) : AC(8)
- **Anti Therapeutic Actions**: Vaccination: Hepatitis B : CK(468) : AC(64)
- **Problem Substances**: Thimerosal : CK(757) : AC(85)
- **Adverse Pharmacological Actions**: Neurotoxic : CK(1396) : AC(289)

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A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.


**Article Published Date**: Sep 28, 2014

**Authors**: Mariella Valenzise, Antonio Cascio, Malgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi

**Study Type**: Human: Case Report

**Additional Links**

- **Diseases**: Demyelinating Diseases : CK(1671) : AC(332), DiGeorge Syndrome : CK(3) : AC(1), Encephalitis : CK(31) : AC(8), Vaccine-induced Toxicity : CK(1356) : AC(210)
- **Additional Keywords**: Adverse Reaction : CK(13) : AC(2), Chromosome : CK(16) : AC(4), Genomic Variation : CK(143) : AC(18), Modified Viral Antigens : CK(3) : AC(1)
- **Anti Therapeutic Actions**: Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)
Diabetes Mellitus: Type 1 (AC 4) (CK 17)

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

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(6629) : AC(1128), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

Distinct rises in the incidence of T1DM occurred 2-4 years following the introduction of the MMR and pertussis vaccines.

Pubmed Data: J Pediatr Endocrinol Metab. 2003 Apr-May;16(4):495-508. PMID: 12793601
Article Published Date: Mar 31, 2003
Authors: J B Classen, D C Classen
Study Type: Review
Additional Links
Diseases: Diabetes Mellitus: Type 1 : CK(1130) : AC(301)
Additional Keywords: Risk Factors : CK(3057) : AC(392)

Exposure to HiB immunization is associated with an increased risk of insulin dependent diabetes.
This describes four cases of auto-immune reactions after tetanus vaccination.

Influenza A vaccination containing adjuvant causes cardiac autonomic dysfunction and inflammation which may transiently increase the risk of cardiovascular events.
Diseases: C-Reactive Protein: CK(1852) : AC(174), Cardiovascular Diseases: CK(7342) : AC(916), Diabetes Mellitus: Type 2: CK(3572) : AC(624), Influenza A: CK(387) : AC(101), Vaccine-induced Toxicity: CK(1356) : AC(210)
Pharmacological Actions: Interleukin-6 upregulation: CK(26) : AC(7)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Influenza: CK(521) : AC(64)

Diarrhea (AC 1) (CK 10)

Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and measles.

Article Published Date: Jun 30, 2004
Authors: Laura E Caulfield, Mercedes de Onis, Monika Blössner, Robert E Black
Study Type: Human Study
Additional Links
Diseases: Diarrhea: CK(612) : AC(83), Malaria: CK(145) : AC(58), Measles: CK(962) : AC(39), Pneumonia: CK(421) : AC(57)
Additional Keywords: Undernourishment And Susceptibility To Infectious Disease: CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438)

Dravet syndrome (AC 1) (CK 10)

Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible individuals.

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,
Dysautonomia (AC 1) (CK 3)

Severe somatoform and dysautonomic syndromes after HPV vaccination: case series and review of literature.

Article Published Date: Aug 08, 2016
Authors: Beniamino Palmieri, Dimitri Poddighe, Maria Vadalà, Carmen Laurino, Carla Carnovale, Emilio Clementi
Study Type: Human: Case Report
Additional Links
Diseases: Dysautonomia : CK(3) : AC(1)
Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

Dysbiosis (AC 1) (CK 2)

Early-life antibiotic-driven dysbiosis leads to dysregulated vaccine immune responses in mice.

Pubmed Data: Cell Host Microbe. 2018 05 9 ;23(5):653-660.e5. PMID: 29746836
Article Published Date: Jan 08, 2018
Authors: Miriam Anne Lynn, Damon John Tumes, Jocelyn Mei Choo, Anastasia Sribnaia, Stephen James Blake, Lex Ee Xiang Leong, Graeme Paul Young, Helen Siobhan Marshall, Steve Lodewijk Wesselingh, Geraint Berian Rogers, David John Lynn
Study Type: Animal Study
Additional Links
Ear Infection (AC 3) (CK 21)

**Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.**


**Article Published Date** : Jan 01, 2001

**Authors** : M A Fisher, S A Eklund, S A James, X Lin

**Study Type** : Human Study

**Additional Links**


**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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**Pneumococcal conjugate vaccine is not effective to prevent ear infections in previously unvaccinated toddlers and children with a history of recurrent ear infections.**


**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(306) : AC(42), Pneumococcal Infections : CK(57) : AC(13)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Pneumococcal : CK(75) : AC(10)
Review: based on currently available research pneumococcal vaccination should not be recommended for large scale use in ear infection prone populations.

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(306) : AC(42), Pneumococcal Infections: CK(57) : AC(13)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Pneumococcal: CK(75) : AC(10)

Eczema (AC 1) (CK 3)

Widespread eczema vaccinatum acquired by contacts.

Pubmed Data: Acta Pathol Jpn. 1979 May ;29(3):435-55. PMID: 377910
Article Published Date: Apr 30, 1979
Authors: K Shirasawa, K Akai, Y Kawaguchi, S Maeda, S Nagahara, H Toyoda, T Kurata
Study Type: Human: Case Report
Additional Links
Diseases: Eczema : CK(1134) : AC(117)
Additional Keywords: Vaccine Shedding : CK(31) : AC(4)
Anti Therapeutic Actions: Vaccination: Smallpox : CK(74) : AC(9)

Elderly: Age Specific Diseases (AC 2) (CK 40)

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


**Article Published Date**: Jan 01, 2010

**Authors**: Roger E Thomas, Tom Jefferson, Toby J Lasserson

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Elderly: Age Specific Diseases : CK(442) : AC(38), Influenza : CK(789) : AC(123), Pneumonia : CK(421) : AC(57)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)

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There is a lack of evidence for the effectiveness of influenza vaccines in adults aged 65 years or older.


**Article Published Date**: Oct 25, 2011

**Authors**: Michael T Osterholm, Nicholas S Kelley, Alfred Sommer, Edward A Belongia

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Elderly: Age Specific Diseases : CK(442) : AC(38), Influenza : CK(789) : AC(123)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

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Elevated CRP (AC 2) (CK 20)

C-reactive protein (CRP) elevation occur in infants without sepsis after hepatitis B vaccination.


**Article Published Date**: Jan 28, 2013

**Authors**: İstemi Han Celik, Gamze Demirel, Fuat Emre Canpolat, Omer Erdeve, Ugur Dilmen

**Study Type**: Human Study

**Additional Links**

**Diseases**: Elevated CRP : CK(82) : AC(9)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)
Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclempsia and adverse outcomes such as preterm birth.


**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(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

**Adverse Pharmacological Actions**: Interleukin-6 up-regulation : CK(18) : AC(5), Tumor necrosis factorα (TNFα) up-regulation : CK(55) : AC(7)

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**Empyema (AC 1) (CK 10)**

There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.

**Pubmed Data**: Pediatr Infect Dis J. 2008 Nov;27(11):1030-2. PMID: [18845981](https://doi.org/10.1097/INF.0b013e318188b17a)

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

**Authors**: Debra J Hendrickson, Dean A Blumberg, Jesse P Joad, Sanjay Jhawar, Ruth J McDonald

**Study Type**: Human Study

**Additional Links**

**Diseases**: Childhood Infections : CK(275) : AC(29), Empyema : CK(10) : AC(1), Parapneumonic Empyema : CK(10) : AC(1), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Pneumococcal : CK(75) : AC(10)
A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.

**Article Published Date** : Sep 28, 2014
**Authors** : Mariella Valenzise, Antonio Cascio, Malgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi
**Study Type** : Human: Case Report

**Additional Links**
**Diseases** : Demyelinating Diseases : CK(1671) : AC(332), DiGeorge Syndrome : CK(3) : AC(1), Encephalitis : CK(31) : AC(8), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Additional Keywords** : Adverse Reaction : CK(13) : AC(2), Chromosome : CK(16) : AC(4), Genomic Variation : CK(143) : AC(18), Modified Viral Antigens : CK(3) : AC(1)
**Anti Therapeutic Actions** : Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Deep sequencing reveals persistence of cell-associated mumps vaccine virus in chronic encephalitis.

**Article Published Date** : Dec 31, 2016
**Authors** : Sofia Morfopoulou, Edward T Mee, Sarah M Connaughton, Julianne R Brown, Kimberly Gilmour, W K 'Kling' Chong, W Paul Duprex, Deborah Ferguson, Mike Hubank, Ciaran Hutchinson, Marios Kaliakatsos, Stephen McQuaid, Simon Paine, Vincent Plagnol, Christopher Ruis, Alex Virasami, Hong Zhan, Thomas S Jacques, Silke Schepelmann, Waseem Qasim, Judith Breuer
**Study Type** : Human: Case Report

**Additional Links**
**Diseases** : Encephalitis : CK(31) : AC(8), Mumps : CK(54) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions** : Vaccine-induced Toxicity : CK(1356) : AC(210), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible individuals.

**Pubmed Data** : Cytotechnology. 2002 Nov;40(1-3):139-49. PMID: 20447868
This reports a case of a male patient that presented two episodes of acute encephalitis in consecutive years after annual influenza vaccine.


Varicella-zoster vaccine has been linked to herpes zoster ophthalmicus and encephalitis as possible, though rare side effects.

Neutralizing antibodies, elicited by the mouse brain-derived and formalin-inactivated JEV Nakayama vaccine among a limited number of vaccinees, have reduced neutralizing capacity against circulating GI virus.


Article Published Date: Aug 31, 2012

Authors: Yi-Chin Fan, Jo-Mei Chen, Hsien-Chung Chiu, Yi-Ying Chen, Jen-Wei Lin, Chen-Chang Shih, Chih-Ming Chen, Chao-Chin Chang, Gwong-Jen J Chang, Shyan-Song Chiou

Study Type: Human Study


Additional Keywords: Mouse Brain-derived Vaccines: CK(10): AC(1), Vaccine Failure: CK(255): AC(32)

Anti Therapeutic Actions: Vaccination: Japanese Encephalitis Virus Vaccine: CK(13): AC(2)

---

Encephalomyelitis (AC 8) (CK 20)

A case report of acute disseminated encephalomyelitis after influenza vaccination.


Article Published Date: May 31, 2016

Authors: Wei-Ti Chen, Yi-Chen Huang, Meng-Chin Peng, Ming-Chu Wang, Kon-Ping Lin

Study Type: Human: Case Report


Anti Therapeutic Actions: Vaccination: Influenza: CK(521): AC(64)

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A case report of acute disseminated encephalomyelitis following inactivated influenza vaccination.


Article Published Date: Jun 30, 2015

Authors: Solange Dourado de Andrade, Maria Graciede Filha Santarém Andrade, Pablo José Santos, Maria de Lourdes Galvão, Mariana Martins de Barros, Rajendranath Ramasawmy, Izabella
A case report of acute disseminated encephalomyelitis following vaccination against hepatitis B.


**Article Published Date**: Dec 31, 2015

**Authors**: Jun-Liang Yuan, Shuang-Kun Wang, Xiao-Juan Guo, Wen-Li Hu

**Study Type**: Human: Case Report

**Diseases**: Encephalomyelitis : CK(24) : AC(15)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)

A case report of post rabies vaccine and acute disseminated encephalomyelitis.


**Article Published Date**: Dec 31, 2014

**Authors**: Rajesh Kumar, A K Bishorjit Singh, R N Pradhan, Vipin Kumar Pathak

**Study Type**: Human: Case Report

**Diseases**: Encephalomyelitis : CK(24) : AC(15)

**Anti Therapeutic Actions**: Vaccination: Rabies : CK(10) : AC(5)

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


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

**Authors**: William Huynh, Dennis J Cordato, Elias Kehdi, Lynette T Masters, Chris Dedousis

**Study Type**: Commentary

**Diseases**: Demyelinating Diseases : CK(1671) : AC(332), Encephalomyelitis : CK(24) : AC(15), Neuromyelitis Optica : CK(22) : AC(5), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

Acute disseminated encephalomyelitis following
These experimental data support the relationship between neurological manifestations and HPV vaccines.

These results suggest that myelin basic protein in vaccines may play a decisive role in the production of post-vaccinal encephalomyelitis.

Encephalopathies (AC 1) (CK 1)

The use of post-mortem tissues in the production of
biologicals, vaccines and feedstuffs may be contributing to transmissible encephalopathies.

Article Published Date : Jan 01, 1996
Authors : M M Robinson
Study Type : Review
Additional Links
Diseases : Encephalopathies : CK(14) : AC(6)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438)

---

Encephalopathy: Acute Necrotizing (AC 2) (CK 20)

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

Article Published Date : Jul 01, 2010
Authors : Hale Aydin, Esra Ozgul, Ahmet Muhtesem Agildere
Study Type : Human Study
Additional Links
Diseases : Encephalopathy: Acute Necrotizing : CK(20) : AC(2), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

---

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

Article Published Date : Apr 01, 2007
Authors : Kumanan Wilson, Beth Potter, Douglas Manuel, Jennifer Keelan, Pranesh Chakraborty
Endogenous avian retrovirus (EAV-0) (AC 1) (CK 1)

Live attenuated virus Vaccines produced on chicken-derived cells contain low levels of particle-associated reverse transcriptase (RT).


Article Published Date: Mar 31, 1997

Authors: R N Weissmahr, J Schüpbach, J Böni

Study Type: Review

Endotoxemia (AC 1) (CK 1)

This analysis confirmed higher concentrations of endotoxin in whole-cell DTP vaccines compared with DTaP or DT vaccines.

Pubmed Data: Ann Pharmacother. 2002 May;36(5):776-80. PMID: 11978151
**Epilepsy (AC 1) (CK 3)**

_A case of lethal status epilepticus and lymphocytic pneumonitis has been reported._


**Epilepsy (AC 1) (CK 1)**

_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._

Erythema multiforme has been reported as a possible side effect of vaccination for human papillomavirus.


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

Pubmed Data: Indian J Dermatol Venereol Leprol. 2008 May-Jun;74(3):251-3. PMID: 18583795

Erythema (AC 2) (CK 20)
Excitotoxicity (AC 1) (CK 1)

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

Article Published Date: Nov 01, 2008
Authors: Russell L Blaylock
Study Type: Commentary
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Eye Damage (AC 1) (CK 3)

Acute retinal necrosis associated with herpes zoster vaccination.

Article Published Date: Jul 24, 2018
Authors: Moreno Menghini, Vignesh Raja, Jeremy Raiter, Chandrakumar Balaratnasingam, Ian J Constable
Study Type: Human: Case Report
Additional Links
Diseases: Eye Damage: CK(20) : AC(2), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Varicella Zoster (Shingles): CK(3) : AC(1)
Adverse ocular effects of vaccination have been reported.

Pubmed Data: Ophthalmologe. 2016 Jul;113(7):615-22. PMID: 27357302
Article Published Date: Jun 30, 2016
Authors: T Ness, H Hengel
Study Type: Commentary
Additional Links
Diseases: Eye Diseases: CK(896) : AC(170), Uveitis: CK(91) : AC(17)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Fatigue (AC 2) (CK 20)

A disabling syndrome of chronic neuropathic pain, fatigue, and autonomic dysfunction may appear after HPV vaccination.

Article Published Date: Oct 31, 2015
Authors: Manuel Martínez-Lavín, Laura-Aline Martínez-Martínez, Paola Reyes-Loyola
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: HPV (Gardasil): CK(347) : AC(58)

Orthostatic intolerance and postural tachycardia syndrome as suspected adverse effects of vaccination against human papilloma virus.

Article Published Date: May 20, 2015
Authors: Louise S Brinth, Kirsten Pors, Ann C Theibel, Jesper Mehlsen
Study Type: Human Study
Additional Links
Diseases: Fatigue: CK(312) : AC(49), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: HPV (Gardasil): CK(347) : AC(58)
Febrile Seizures (AC 1) (CK 10)

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

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

Fever (AC 1) (CK 10)

Breastfeeding is associated with a decreased incidence of fever after immunizations.

Article Published Date: Jun 01, 2010
Authors: Alfredo Pisacane, Paola Continisio, Orsola Palma, Stefania Cataldo, Fabiola De Michele, Ugo Vairo
Study Type: Human Study
Additional Links
Substances: Breast Milk: CK(439): AC(51)
Therapeutic Actions: Breastfeeding: CK(803): AC(85)
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)
Fibromyalgia (AC 4) (CK 22)

A disabling syndrome of chronic neuropathic pain, fatigue, and autonomic dysfunction may appear after HPV vaccination.

Authors: Manuel Martínez-Lavín, Laura-Aline Martínez-Martínez, Paola Reyes-Loyola
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

Fibromyalgia, infection and vaccination: two more parts in the etiological puzzle.

Authors: Jacob N Ablin, Yehuda Shoenfeld, Dan Buskila
Study Type: Review
Additional Links
Diseases: Fibromyalgia : CK(619) : AC(67), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Small fiber neuropathy and dysautonomia could be the common underlying pathogenesis to the group of rare reactions that follow HPV vaccination.

Authors: Manuel Martínez-Lavín
Study Type: Commentary
Additional Links
Diseases: Acute Autoimmune Neuropathy : CK(20) : AC(2), Fibromyalgia : CK(619) : AC(67), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)
This study suggests that in some cases chronic fatigue and fibromyalgia can be temporally related to immunization, as part of ASIA syndrome.

Pubmed Data: Immunol Res. 2014 Dec;60(2-3):376-83. PMID: 25427994
Article Published Date: Nov 30, 2014
Authors: Nancy Agmon-Levin, Yaron Zafrir, Shaye Kivity, Ari Balofsky, Howard Amital, Yehuda Shoenfeld
Study Type: Human Study
Additional Links
Additional Keywords: Autoantibodies: CK(40): AC(4), Increased Risk: CK(1600): AC(192)
Anti Therapeutic Actions: Vaccination: Hepatitis B: CK(468): AC(64)

Food Allergies (AC 2) (CK 11)

Food allergy to gelatin in children with systemic immediate-type reactions, including anaphylaxis, to vaccines.

Pubmed Data: J Allergy Clin Immunol. 1996 Dec;98(6 Pt 1):1058-61. PMID: 8977505
Article Published Date: Nov 30, 1996
Authors: M Sakaguchi, T Nakayama, S Inouye
Study Type: Human Study
Additional Links
Diseases: Food Allergies: CK(507): AC(70)
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)

Gastrointestinal immunopathology and food allergy.

Article Published Date: Oct 31, 2004
Authors: Joseph A Bellanti, Aderbal Sabra, Barbara J Zeligs
Study Type: Review
Additional Links
Diseases: Food Allergies: CK(507): AC(70)
Formaldehyde Toxicity (AC 2) (CK 4)

Formaldehyde-inactivated respiratory syncytial virus vaccine in the 1960s caused enhanced respiratory disease in both humans and animals.

Article Published Date: Nov 20, 2016
Authors: Abenaya Muralidharan, Changgui Li, Lisheng Wang, Xuguang Li
Study Type: Review
Additional Links
Additional Keywords: Increased Risk : CK(1600) : AC(192)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)
Problem Substances: Formaldehyde : CK(23) : AC(13)

Systemic allergic contact dermatitis after formaldehyde-containing influenza vaccination.

Article Published Date: Aug 31, 2015
Authors: L Alexandra Kuritzky, Melanie Pratt
Study Type: Human: Case Report
Additional Links
Diseases: Dermatitis : CK(1392) : AC(137), Formaldehyde Toxicity : CK(6) : AC(3), Vaccine-induced Toxicity : CK(1356) : AC(210)
Additional Keywords: Risk Factors : CK(3057) : AC(392)
Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)
Problem Substances: Aspartame : CK(135) : AC(47), Formaldehyde : CK(23) : AC(13), Thimerosal : CK(757) : AC(85)
Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception.


Gastroenteritis (AC 1) (CK 10)

Authors: Penina Haber, Robert T Chen, Lynn R Zanardi, Gina T Mootrey, Roseanne English, MMiles Braun

Study Type: Human Study

Additional Links


Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Rotavirus : CK(56) : AC(11)

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

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

Gastrointestinal Diseases (AC 1) (CK 10)

Authors: David A Geier, Mark R Geier

Study Type: Human Study

Additional Links

Diseases: Gastrointestinal Diseases: CK(76) : AC(24), Hepatitis: CK(66) : AC(25), Vaccine-induced Toxicity: CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)
Glomerulonephritis (AC 2) (CK 13)

A case of influenza vaccine induced have necrotizing glomerulonephritis in decursu vasculitis has been reported.

Article Published Date: Jul 01, 2005
Authors: Lidia Hyla-Klekot, Grazyna Kucharska, Witold Cieslak
Study Type: Human: Case Report
Additional Links
Diseases: Glomerulonephritis: CK(33) : AC(10), Vasculitis: CK(48) : AC(11)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Influenza: CK(521) : AC(64)

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

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(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

Glyphosate Toxicity (AC 1) (CK 3)

Measles vaccine and glyphosate-induced parkinsonism
Influenza vaccination has been reported to cause miller fisher syndrome.


**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(5147) : AC(438) , Vaccination: Influenza : CK(521) : AC(64)

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


**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
Guillain-Barre Syndrome

"Chart-confirmed guillain-barre syndrome after 2009 H1N1 influenza vaccination among the Medicare population, 2009-2010."

Article Published Date: Sep 14, 2013
Authors: Laura L Polakowski, Sukhminder K Sandhu, David B Martin, Robert Ball, Thomas E Macurdy, Riley L Franks, Jonathan M Gibbs, Garner F Kropp, Armen Avagyan, Jeffrey A Kelman, Christopher M Worrall, Guoying Sun, Rebecca E Kliman, Dale R Burwen
Study Type: Human Study
Additional Links
Diseases: Guillain-Barre Syndrome: CK(110) : AC(18), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)

"Risk of Guillain-Barré syndrome after 2010-2011 influenza vaccination."

Article Published Date: Apr 30, 2013
Authors: Francesca Galeotti, Marco Massari, Roberto D'Alessandro, Ettore Beghi, Adriano Chiò, Giancarlo Logroscino, Graziella Filippini, Maria Donata Benedetti, Maura Pugliatti, Carmela Santuccio, Roberto Raschetti,
Study Type: Human Study
Additional Links
Diseases: Guillain-Barre Syndrome: CK(110) : AC(18), H1N1 Infection: CK(583) : AC(113)
Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)
Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.


**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(110) : AC(18), Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

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Guillain-Barré syndrome following hepatitis B vaccination has been reported.

**Pubmed Data**: Clin Exp Rheumatol. 2004 Nov-Dec;22(6):767-70. PMID: 15638054

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

**Authors**: M Khamaisi, Y Shoenfeld, H Orbach

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Guillain-Barre Syndrome : CK(110) : AC(18)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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


**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(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)
In the US the highest number of cases of Guillain-Barre syndrome are associated with influenza and hepatitis B vaccines.

**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(110) : AC(18), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64), Vaccination: Influenza : CK(521) : AC(64)

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**Neurological adverse events associated with vaccination.**


**Article Published Date**: May 31, 2002

**Authors**: Sucheep Piyasirisilp, Thiravat Hemachudha

**Study Type**: Review

**Additional Links**

**Diseases**: Autism : CK(617) : AC(73), Guillain-Barre Syndrome : CK(110) : AC(18), Multiple Sclerosis : CK(964) : AC(184), New Variant Creutzfeldt-Jakob Disease : CK(4) : AC(2), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords**: Adverse Events : CK(37) : AC(7), Vaccine Contaminants : CK(11) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Aluminum : CK(274) : AC(78), Thimerosal : CK(757) : AC(85)

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**Post vaccination Guillain Barre syndrome.**

**Pubmed Data**: Cureus. 2018 Apr 20 ;10(4):e2511. Epub 2018 Apr 20. PMID: 29930889

**Article Published Date**: Apr 19, 2018

**Authors**: Muhammad Wajih Ullah, Aisha Qaseem, Afshan Amray

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Guillain-Barre Syndrome : CK(110) : AC(18), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Rabies : CK(10) : AC(5)

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

**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(20) : AC(2), Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Influenza : CK(789) : AC(123), Swine Flu Associated Virus : CK(187) : AC(43), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Additional Keywords**: Influenza Vaccine : CK(10) : AC(1), Swine Flu Vaccine : CK(10) : AC(1)
**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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

**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**
**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(468) : AC(64), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Tetanus : CK(77) : AC(13)

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

**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(110) : AC(18), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: HPV (Gardasil) : CK(347) : AC(58)
Vaccination may contribute to causing a wide variety of autoimmune disorders.


Article Published Date: Feb 01, 2010

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

Study Type: Commentary

Additional Links


Gulf War Syndrome (AC 2) (CK 20)

Symptomatic Gulf War Syndrome is strongly associated with the presence of autoantibodies to squalene, an adjuvant used in vaccines.

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(43) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)


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.


**Article Published Date** : Feb 01, 2011  
**Authors** : Pamela B Asa, Russell B Wilson, Robert F Garry  
**Study Type** : Human Study  
**Additional Links**

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</table>

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**H1N1 Infection (AC 6) (CK 51)**

"Risk of Guillain-Barré syndrome after 2010-2011 influenza vaccination."


**Article Published Date** : Apr 30, 2013  
**Authors** : Francesca Galeotti, Marco Massari, Roberto D'Alessandro, Ettore Beghi, Adriano Chiò, Giancarlo Logroscino, Graziella Filippini, Maria Donata Benedetti, Maura Pugliatti, Carmela Santuccio, Roberto Raschetti  
**Study Type** : Human Study  
**Additional Links**

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Prior receipt of seasonal flu vaccine (2008-09) was associated with increased risk of medically attended pandemic H1N1 illness (2008-09).


**Article Published Date** : Jan 01, 2010  
**Authors** : Danuta M Skowronski, Gaston De Serres, Natasha S Crowcroft, Naveed Z Janjua, Nicole
Seasonal influenza vaccine (2008-2009) is associated with an increased risk of influenza-like illness from pandemic H1N1 infection.

Pubmed Data : Clin Infect Dis. 2010 Nov 1;51(9):1017-1027. PMID: 20887210

Vaccination against novel H1N1 may accelerate atherogenesis (heart disease).


Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.
Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.

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.
A Haemophilus b polysaccharide vaccine resulted in minus 58 percent efficacy in children in Minnesota in August 1985.

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(44): AC(8)

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).

Article Published Date: Oct 01, 1997
Authors: M M Braun, S S Ellenberg
Study Type: Meta Analysis
Hemolytic Anemia (AC 2) (CK 23)

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

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
Additional Links
Diseases: Hemolytic Anemia : CK(34) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

Vaccination is associated with an increased risk for hemolytic anemia.

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(34) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(468) : AC(64)

Hemophilus influenzae (AC 1) (CK 3)
Between May 1985 and September 1987, 228 reports of disease due to Haemophilus influenzae in vaccinated children were submitted to the FDA.

Article Published Date: Jul 31, 1988
Authors: E E Hiner, C E Frasch
Study Type: Human: Case Report
Additional Links
Diseases: Hemophilus influenzae: CK(4): AC(2)
Additional Keywords: Vaccine Failure: CK(255): AC(32)
Anti Therapeutic Actions: Vaccination: Haemophilus Influenzae: CK(46): AC(8)

Henoch-Schoenlein Purpura (AC 1) (CK 10)

The administration of meningitis C vaccination 1 week before the onset of HSP suggests that it can be added to the list of potential triggering agents.

Article Published Date: Feb 28, 2001
Authors: P A Courtney, R N Patterson, R J Lee
Study Type: Human Study
Additional Links
Additional Keywords: Increased Risk: CK(1600): AC(192)
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)

Hepatitis (AC 2) (CK 20)
Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities.

**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(76) : AC(24), Hepatitis : CK(66) : AC(25), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

In April 1942, major epidemics of hepatitis occurred in US and Allied troops who had received yellow fever vaccine.

**Article Published Date**: Feb 28, 2013
**Authors**: Roger E Thomas, Diane L Lorenzetti, Wendy Spragins
**Study Type**: Human Study

### Additional Links
**Diseases**: Hepatitis : CK(66) : AC(25)
**Additional Keywords**: Vaccine Contamination : CK(5) : AC(1)
**Anti Therapeutic Actions**: Vaccination: Yellow Fever : CK(23) : AC(5)

### Hepatitis B (AC 14) (CK 100)

Acute hepatitis B can occur in those who are vaccinated against it and who are exposed through unprotected sexual contact and iatrogenically.

**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  
**Additional Links**
**Diseases**: Hepatitis B: CK(241) : AC(46), Iatrogenic Disease : CK(62) : AC(7)  
**Additional Keywords**: Iatrogenic Disease : CK(226) : AC(26)  
**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438) , Vaccination: Hepatitis B : CK(468) : AC(64)

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**Chronic fatigue syndrome may be associated with silicone implants and/or vaccinations.**

**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(275) : AC(40), Hepatitis B : CK(241) : AC(46), Silicone Implant Toxicity : CK(10) : AC(1), Vaccine-induced Toxicity : CK(1356) : AC(210)  
**Additional Keywords**: Silicone Implants : CK(10) : AC(1)  
**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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

**Article Published Date**: Jan 01, 2006  
**Authors**: Yannick Comenge, Marc Girard  
**Study Type**: Commentary  
**Additional Links**
**Diseases**: Demyelinating Diseases : CK(1671) : AC(332) , Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1356) : AC(210)  
**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438) , Vaccination: Hepatitis B : CK(468) : AC(64)

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

**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(146) : AC(32)
- Arthritis: CK(1964) : AC(312)
- Hepatitis B: CK(241) : AC(46)
- Lupus Erythematosus: Systemic: CK(486) : AC(69)
- Optic Neuritis: CK(39) : AC(6)
- Rheumatoid Arthritis: CK(745) : AC(125)
- Thrombocytopenia: CK(234) : AC(26)
- Vasculitis: CK(48) : AC(11)

**Anti Therapeutic Actions**

- Vaccination: All: CK(5147) : AC(438)
- Vaccination: Hepatitis B: CK(468) : AC(64)

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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.**

**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 Mukhopadhyay, A K Dutta, S S Trivedi

**Study Type**: Human Study

**Additional Links**

**Diseases**: Hepatitis B: CK(241) : AC(46)

**Additional Keywords**: Occult Hepatitis B: CK(11) : AC(2)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B: CK(468) : AC(64)

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

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**Hepatitis B vaccinations is associated with autoimmune hazards.**

**Pubmed Data**: Autoimmun Rev. 2005 Feb;4(2):96-100. PMID: [15722255](https://pubmed.ncbi.nlm.nih.gov/15722255/)

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

**Authors**: Marc Girard

**Study Type**: Review

**Additional Links**

**Diseases**: Autoimmune Diseases: CK(6629) : AC(1128), Hepatitis B: CK(241) : AC(46), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Molecular Mimicry: CK(67) : AC(15)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

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

**Pubmed Data**: Neurology. 2004 Sep 14;63(5):838-42. PMID: [15365133](https://pubmed.ncbi.nlm.nih.gov/15365133/)

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

**Authors**: Miguel A Hernán, Susan S Jick, Michael J Olek, Hershel Jick
Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.


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


The HB vaccine does not confer 100% protection against HBV infection, even in the setting of protective antibody levels.

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


**Article Published Date**: May 25, 1994

**Authors**: K R Stratton, C J Howe, R B Johnston

**Study Type**: Review

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(468) : AC(64), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Tetanus : CK(77) : AC(13)

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


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

**Authors**: E Faure

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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.


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

**Authors**: Burton A Waisbren

**Study Type**: Commentary
When polled 5% of nonpediatricians would not use Haemophilus influenzae type b vaccine if they had a child born in 2004.

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(241) : AC(46)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

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

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(474) : AC(87), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438)
Hepatitis: Autoimmune (AC 2) (CK 6)

Autoimmune hepatitis following influenza virus vaccination.

**Pubmed Data**: Medicine (Baltimore). 2018 Jul ;97(30):e11621. PMID: 30045302

**Article Published Date**: Jun 30, 2018

**Authors**: Tokio Sasaki, Yuji Suzuki, Kazuyuki Ishida, Keisuke Kakisaka, Hiroaki Abe, Tamotsu Sugai, Yasuhiro Takikawa

**Study Type**: Human: Case Report

**Additional Links**

- **Diseases**: Hepatitis: Autoimmune: CK(43) : AC(9), Vaccine-induced Toxicity: CK(1356) : AC(210)
- **Anti Therapeutic Actions**: Vaccination: Influenza: CK(521) : AC(64)

Autoimmune hepatitis type 2 following anti-papillomavirus vaccination in a 11-year-old girl.


**Article Published Date**: Jun 23, 2011

**Authors**: Claudia Della Corte, Antonio Carlucci, Paola Francalanci, Anna Alisi, Valerio Nobili

**Study Type**: Human: Case Report

**Additional Links**

- **Diseases**: Hepatitis: Autoimmune: CK(43) : AC(9)
- **Additional Keywords**: Genomic Variation: CK(143) : AC(18)
- **Anti Therapeutic Actions**: Vaccination: HPV (Gardasil): CK(347) : AC(58)

Herpes Zoster (AC 6) (CK 53)

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

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

Article Published Date: Jul 19, 2010
Authors: Mark R Nelson, Helena C Britt, Christopher M Harrison
Study Type: Human Study

Reactivation of Herpes Zoster Keratitis in an Adult After Varicella Zoster Vaccination.

Article Published Date: Nov 25, 2012
Authors: Charles W Hwang, Walter A Steigleman, Erika Saucedo-Sanchez, Sonal S Tuli
Study Type: Human: Case Report

Varciella vaccine has been reported to cause herpes zoster skin lesions and meningitis in a previously healthy boy.

Article Published Date: Nov 15, 2008
Authors: Myron J Levin, Roberta L DeBiasi, Vanda Bostik, D Scott Schmid
Study Type: Human Study
Varicella vaccine has been reported to cause chronic, acyclovir-resistant herpes zoster infection in an immunosuppressed child.


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(113) : AC(12), Herpes Zoster : CK(473) : AC(36)
Pharmacological Actions: Antiviral Agents : CK(938) : AC(433)

Additional Keywords: Acyclovir-Resistance : CK(12) : AC(3)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Varicella (Chickenpox) : CK(177) : AC(22)

Varicella vaccine has been reported to viral meningitis in an immunocompetent child.


Article Published Date: Jun 01, 2009

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

Study Type: Human Study

Additional Links

Diseases: Chickenpox : CK(113) : AC(12), Herpes Zoster : CK(473) : AC(36), Meningitis: Viral : CK(20) : AC(2)
Pharmacological Actions: Antiviral Agents : CK(938) : AC(433)

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

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Varicella (Chickenpox) : CK(177) : AC(22)
Varicella Zoster Vaccination.

Article Published Date: Nov 25, 2012
Authors: Charles W Hwang, Walter A Steigleman, Erika Saucedo-Sanchez, Sonal S Tuli
Study Type: Human: Case Report
Additional Links
Diseases: Herpes Zoster: CK(473): AC(36), Herpes Zoster Keratitis: CK(3): AC(1)
Anti Therapeutic Actions: Vaccination: Varicella Zoster (Shingles): CK(3): AC(1)

Herpes: Ocular (AC 1) (CK 10)

Varicella-zoster vaccine has been linked to herpes zoster ophthalmicus and encephalitis as possible, though rare side effects.

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(31): AC(8), Herpes: Ocular: CK(12): AC(2)
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Varicella (Chicken pox): CK(177): AC(22)

Human Papillomavirus (HPV) (AC 7) (CK 61)

An Italian study found that 61% of women experienced an adverse event after the administration of the first dose of HPV vaccine.
Antibody titers for all HPV strains were significantly higher among those with lower vitamin D levels and among younger participants.

HPV vaccination does not have a therapeutic effect in young women with pre-existing human papillomavirus infection.
Human Papilloma Virus (HPV) vaccine is associated with demyelinating events.


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(1671) : AC(332), HPV : CK(31) : AC(4), Human Papillomavirus (HPV) : CK(212) : AC(35), Vaccine-induced Toxicity : CK(1356) : AC(210)

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

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: HPV (Gardasil) : CK(347) : AC(58)

Hypersensitivity reactions to human papillomavirus vaccine in Australian schoolgirls: retrospective cohort study.


Article Published Date: Dec 01, 2008

Authors: Liew Woei Kang, Nigel Crawford, Mimi L K Tang, Jim Buttery, Jenny Royle, Michael Gold, Christine Ziegler, Patrick Quinn, Sonja Ella, Sharon Choo

Study Type: Human Study

Additional Links

Diseases: Human Papillomavirus (HPV) : CK(212) : AC(35)

Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

The present study hypothesizes that there may be a continuous shift in the prevalence of HPV types as a result of vaccination.


Article Published Date: Jun 30, 2016

Authors: Sonja Fischer, Marcus Bettstetter, Andrea Becher, Marlene Lessel, Cyril Bank, Matthias Krams, Ingrid Becker, Arndt Hartmann, Wolfgang Jagla, Andreas Gaumann

Study Type: Human Study

Additional Links

Diseases: Cervical Cancer : CK(345) : AC(144), Human Papillomavirus (HPV) : CK(212) : AC(35)

Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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

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

Additional Links


Hydranencephaly (AC 1) (CK 2)

The vaccination of pregnant sheep resulted in abortions and hydranencephaly.

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
**Hyperalgesia (AC 1) (CK 10)**

A disabling syndrome of chronic neuropathic pain, fatigue, and autonomic dysfunction may appear after HPV vaccination.


**Article Published Date**: Oct 31, 2015

**Authors**: Manuel Martínez-Lavín, Laura-Aline Martínez-Martínez, Paola Reyes-Loyola

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Fatigue: CK(312) : AC(49), Fibromyalgia: CK(619) : AC(67), Hyperalgesia: CK(63) : AC(24), Neuropathic Pain: CK(284) : AC(69), Vaccine-induced Toxicity: CK(1356) : AC(210)

- **Anti Therapeutic Actions**: Vaccination: HPV (Gardasil): CK(347) : AC(58)

**Hypersensitivity (AC 6) (CK 39)**

A case report of hypersensitivity reaction to human papillomavirus vaccine due to polysorbate 80.


**Article Published Date**: May 07, 2012

**Authors**: Iuliana Badiu, Massimo Geuna, Enrico Heffler, Giovanni Rolla

**Study Type**: Human: Case Report

**Additional Links**

- **Diseases**: Hypersensitivity: CK(74) : AC(22), Vaccine-induced Toxicity: CK(1356) : AC(210)

- **Anti Therapeutic Actions**: Vaccination: HPV (Gardasil): CK(347) : AC(58)

- **Problem Substances**: Polysorbate 80: CK(1) : AC(1)

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

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

Pertussis adjuvant prolongs intestinal hypersensitivity.

Article Published Date: Jun 30, 1999
Authors: U Kosecka, M C Berin, M H Perdue
Study Type: Animal Study

These results support the hypothesis that Hg sensitivity may be a heritable/genetic risk factor for autism spectrum disorders.

Pubmed Data: J Toxicol Environ Health A. 2011 ;74(18):1185-94. PMID: 21797771
Article Published Date: Dec 31, 2010
Authors: Kerrie Shandley, David W Austin
This case presents a rare glimpse into hypersensitivity vasculitis that may result from varicella vaccine administration.

Article Published Date: Aug 19, 2018
Authors: Vikram Puram, Danielle Lyon, Nedaa Skeik
Study Type: Human: Case Report

Hypersensitivity: Immediate (AC 1) (CK 20)

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

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

Dampen your expectations with a blur of uncertainty.
Iatrogenic Disease (AC 1) (CK 10)

Acute hepatitis B can occur in those who are vaccinated against it and who are exposed through unprotected sexual contact and iatrogenically.

Article Published Date: Mar 01, 2006
Authors: G Rosner, Y Lurie, L Blendis, Z Halpern, R Oren
Study Type: Human Study

Additional Links
Additional Keywords: Iatrogenic Disease: CK(226): AC(26)
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Hepatitis B: CK(468): AC(64)

IgE-Mediated Hypersensitivity (AC 1) (CK 2)

Potential risk of repeated nasal vaccination that induces allergic reaction with mucosal IgE.

Article Published Date: Jan 14, 2017
Authors: Misako Nakayama, Yasushi Itoh, Shintaro Shichinohe, Rumi Nakabayashi, Hirohito Ishigaki, Yoshihiro Sakoda, Quynh Mai Le, Yoshihiro Kawaoka, Hiroshi Kida, Kazumasa Ogasawara
Study Type: Animal Study

Additional Links
Diseases: IgE-Mediated Hypersensitivity: CK(47): AC(8), Vaccine-induced Toxicity: CK(1356): AC(210)
Anti Therapeutic Actions: Vaccination: Influenza: CK(521): AC(64)
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.

**Pubmed Data** : Hum Vaccin. 2011 Aug 1;7(8). Epub 2011 Aug 1. PMID: 21785282

**Article Published Date** : Aug 01, 2011

**Authors** : Salvatore Chirumbolo

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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.

**Pubmed Data** : Hum Vaccin. 2011 Aug 1;7(8). Epub 2011 Aug 1. PMID: 21785282

**Article Published Date** : Aug 01, 2011

**Authors** : Salvatore Chirumbolo
The association with DTwP vaccines and increased infant mortality in females may be due to vaccine adjuvants and Th2 polarizing effects.


Timing of routine immunisations (earlier = increased) and subsequent hay fever risk.


Incontinentia Pigmenti (AC 1) (CK 3)
Vaccination as a probable cause of incontinentia pigmenti reactivation has been reported.

Article Published Date: Jan 01, 2010
Authors: Ali Alikhan, Andrew D Lee, Donald Swing, Christie Carroll, Gil Yosipovitch
Study Type: Human: Case Report
Additional Links
Diseases: Incontinentia Pigmenti: CK(3) : AC(1), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438)

Infant Chemical Exposures (AC 1) (CK 20)

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

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(241) : AC(46), Infant Chemical Exposures: CK(175) : AC(25), Mercury Poisoning: CK(228) : AC(178), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

Infant Infections (AC 4) (CK 50)

Immunization of mothers with pneumococcal capsular
Polysaccharide vaccine during pregnancy is ineffective for infants.

**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(410) : AC(44), Pneumococcal Infections : CK(57) : AC(13), Upper Respiratory Infections : CK(1017) : AC(122)
**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Pneumococcal : CK(75) : AC(10)

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

**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(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

Pneumococcal conjugate vaccination is associated with higher levels of serious adverse respiratory events and nonrespiratory events in infants 6 weeks to 6 months of age.

**Article Published Date** : Jun 01, 2009
**Authors** : Marilla G Lucero, Hanna Nohynek, Gail Williams, Veronica Tallo, Eric A F Simões, Socorro Lupisan, Diozele Sanvictores, Simon Forsyth, Taneli Puumalainen, Juanita Ugpo, Marites Lechago, Margaret de Campo, Erma Abucejo-Ladesma, Lydia Sombrero, Antti Nissinen, Anu Soininen, Petri Ruutu, Ian Riley, Helen P Mäkelä
**Study Type** : Human Study
**Additional Links**
Whole cell pertussis vaccines may have been causing serious neurological disorders.

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

Infant Mortality (AC 10) (CK 114)

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).

Article Published Date: Oct 01, 1997
Authors: M M Braun, S S Ellenberg
Study Type: Meta Analysis

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


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


Diphtheria-tetanus-pertussis vaccines increase child mortality in rural Guinea-Bissau.

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


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


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

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

**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

**Additional Links**

**Diseases**: Infant Mortality : CK(249) : AC(25), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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


**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(5147) : AC(438)
Whole cell pertussis vaccines may have been causing serious neurological disorders.


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

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

**Study Type**: Human Study

**Additional Links**


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Infants: Low Birth Weight (AC 1) (CK 10)

This study found an increase in adverse events after the routine immunization of extremely low-birth-weight infants in the NICU.


**Article Published Date**: May 31, 2015

**Authors**: Stephen D DeMeo, Sudha R Raman, Christoph P Hornik, Catherine C Wilson, Reese Clark, P Brian Smith

**Study Type**: Human Study

**Additional Links**
Infants: Very Low Birth Weight/Low Birth Weight (AC 1) (CK 10)

This study found an increase in adverse events after the routine immunization of extremely low-birth-weight infants in the NICU.


Article Published Date: May 31, 2015

Authors: Stephen D DeMeo, Sudha R Raman, Christoph P Hornik, Catherine C Wilson, Reese Clark, P Brian Smith

Study Type: Human Study

Additional Links

Diseases: Infants: Low Birth Weight: CK(144) : AC(15), Infants: Very Low Birth Weight/Low Birth Weight: CK(212) : AC(19), Sepsis: CK(216) : AC(61), Vaccine-induced Toxicity: CK(1356) : AC(210)

Additional Keywords: Adverse Reaction: CK(13) : AC(2), Increased Risk: CK(1600) : AC(192)

Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438)

Infection: In Infants & Children (AC 1) (CK 20)

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

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


Infertility: Female (AC 1) (CK 1)

Tetanus vaccine given to Phillipino women of reproductive age may have been designed to induce an anti-fertility action.

Pubmed Data: Vaccine Wkly. 1995 May 29 - Jun 5:9-10. PMID: [12346214]

Infertility (AC 1) (CK 2)

There is evidence that a DNA vaccine exhibits anti-fertility properties.
A sudden onset of a pseudo-neurological syndrome after HPV-16/18 AS04-adjuvated vaccine.

Pubmed Data: Immunol Res. 2014 Dec;60(2-3):236-46. PMID: 25388965

Article Published Date: Nov 30, 2014

Authors: Dimitri Poddighe, Lucia Castelli, Gian Luigi Marseglia, Paola Bruni

Study Type: Human: Case Report

Diseases: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA), Inflammation

Anti Therapeutic Actions: Vaccination: HPV (Gardasil)

Problem Substances: Vaccine Adjuvants

Children who have been vaccinated with Salmonella typhi Vi conjugate vaccine showed long term persistence of inflammation.


Article Published Date: Jan 03, 2017

Authors: Chinnasamy Balaji, Vijayakumar Kevinkumar, Vivekanandhan Aravindhan

Study Type: Human Study

Diseases: Inflammation, Vaccine-induced Toxicity

Additional Keywords: Inflammation, Risk Factors

Anti Therapeutic Actions: Vaccination: All

Hepatitis B vaccination is associated with an increased risk of CNS inflammatory demyelination after 3 years of
This review concludes that chronic adjuvant stimulation may lead to lymphoma.

This study presents the first systematic estimation of ASIA incidence and expands the knowledge on this pathology.
Dendritic cells to initiate adaptive immune responses induced by oral Helicobacter pylori vaccines.

**Pubmed Data**: Helicobacter. 2018 Sep 11:e12536. Epub 2018 Sep 11. PMID: [30247802](https://pubmed.ncbi.nlm.nih.gov/30247802/)

**Article Published Date**: Sep 10, 2018

**Authors**: Shuanghui Luo, Wei Liu, Zhiqin Zeng, Feng Ye, Chupeng Hu, Ningyin Xu, An Huang, Tao Xi, Yingying Xing

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Inflammation: CK(3240) : AC(882), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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Typhoid but not placebo injection produced an inflammatory response indexed by increased circulating interleukin-6 and significant mood reduction at 3 hours.


**Article Published Date**: Aug 31, 2009

**Authors**: Neil A Harrison, Lena Brydon, Cicely Walker, Marcus A Gray, Andrew Steptoe, Hugo D Critchley

**Study Type**: Human Study

**Additional Links**

**Diseases**: Depressive Disorder : CK(426) : AC(60), Inflammation : CK(3240) : AC(882), Mood Disorders : CK(156) : AC(19)

**Additional Keywords**: Cytokines : CK(33) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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**Inflammatory Bowel Diseases (AC 2)**

**Crohn's disease (CD) and ulcerative colitis (UC)** found an association between the poliomyelitis vaccine and risk for developing CD.

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.


Inflammatory Myopathy (AC 1) (CK 1)

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

**Influenza (AC 16) (CK 161)**

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


**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(547) : AC(83), Influenza : CK(789) : AC(123)


**Adverse Pharmacological Actions**: Immunosuppressive : CK(181) : AC(34)

**Genetic immunity functions today as the greatest natural barrier to the pandemic spread of influenza among humans.**


**Article Published Date**: Sep 30, 2006

**Authors**: Sergey N Rumyantsev

**Study Type**: Review

**Additional Links**

**Diseases**: Influenza : CK(789) : AC(123)

**Additional Keywords**: Influenza : CK(789) : AC(123), Genetic Pre-disposition : CK(3) : AC(1),
Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.

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
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Influenza: CK(521): AC(64)

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

Article Published Date: Jan 01, 2011
Authors: [No authors listed]
Study Type: Human: Case Report
Additional Links
Diseases: Influenza: CK(789): AC(123), Seizures: CK(208): AC(60)
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Influenza: CK(521): AC(64)

Influenza vaccination did not reduce the risk of subsequent hospital admission among patients with vaccine failure. These findings do not support the hypothesis that vaccination mitigates influenza illness severity.

Article Published Date: Jan 15, 2014
Authors: Huong Q McLean, Jennifer K Meece, Edward A Belongia
Study Type: Human: Case Report
Additional Links
Additional Keywords: Vaccine Failure: CK(255): AC(32)
**Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.**


**Article Published Date**: Jan 01, 2010

**Authors**: Roger E Thomas, Tom Jefferson, Toby J Lasserson

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Elderly: Age Specific Diseases: CK(442) : AC(38), Influenza: CK(789) : AC(123), Pneumonia: CK(421) : AC(57)

**Anti Therapeutic Actions**: Vaccination: Influenza: CK(521) : AC(64)

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


**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**

**Diseases**: Guillain Barre Syndrome: Miller Fisher Variant: CK(13) : AC(2), Influenza: CK(789) : AC(123), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

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


**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 Lofthus, Michol Holloway, Lyn Finelli, Marika Iwane, Mary Allen Staat,

**Study Type**: Human Study

**Additional Links**

**Diseases**: Childhood Infections: CK(275) : AC(29), Influenza: CK(789) : AC(123), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Influenza: CK(521) :
Swine and influenza vaccines induce anti-ganglioside antibodies associated with autoimmune neuropathies such as Guillain-Barre syndrome.


**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(20) : AC(2), Autoimmune Diseases: CK(6629) : AC(1128), Guillain-Barre Syndrome: CK(110) : AC(18), Influenza: CK(789) : AC(123), Swine Flu Associated Virus: CK(187) : AC(43), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Influenza Vaccine: CK(10) : AC(1), Swine Flu Vaccine: CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

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There is a lack of evidence for the effectiveness of influenza vaccines in adults aged 65 years or older.


**Article Published Date**: Oct 25, 2011

**Authors**: Michael T Osterholm, Nicholas S Kelley, Alfred Sommer, Edward A Belongia

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Elderly: Age Specific Diseases: CK(442) : AC(38), Influenza: CK(789) : AC(123)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Influenza: CK(521) : AC(64)

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There is no solid evidence available supporting the belief that vaccines are effective in preventing influenza in the elderly.


**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

**Additional Links**

**Diseases**: Influenza: CK(789) : AC(123)
This review finds no reasonable evidence to support the vaccination of healthcare workers to prevent influenza in older people.

Article Published Date: Jun 01, 2016
Authors: Roger E Thomas, Tom Jefferson, Toby J Lasserson
Study Type: Review
Additional Links
Diseases: Influenza : CK(789) : AC(123)
Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)

Vaccinated obese adults are twice as likely to develop influenza and influenza-like illness compared to healthy weight adults.

Article Published Date: Jun 05, 2017
Authors: S D Neidich, W D Green, J Rebeles, E A Karlsson, S Schultz-Cherry, T L Noah, S Chakladar, M G Hudgens, S S Weir, M A Beck
Study Type: Human Study
Additional Links
Diseases: Influenza : CK(789) : AC(123), Obesity : CK(2443) : AC(521)
Additional Keywords: Increased Risk : CK(1600) : AC(192), Increased Risk : CK(1600) : AC(192), Increased Risk : CK(1600) : AC(192), Increased Risk : CK(1600) : AC(192), Increased Risk : CK(1600) : AC(192)
Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)

Variation in the viral genome and negative effects of serial vaccination likely contributed to poor influenza vaccine performance in 2014-2015.

Article Published Date: Jun 30, 2016
Authors: Danuta M Skowronski, Catharine Chambers, Suzana Sabaiduc, Gaston De Serres, Anne-Luise Winter, James A Dickinson, Mel Krajden, Jonathan B Gubbay, Steven J Drews, Christine Martineau, Alireza Eshaghi, Trijntje L Kwindt, Nathalie Bastien, Yan Li
Study Type: Human Study
Additional Links
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.


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(789) : AC(123)

Additional Keywords: Risk Factors : CK(3057) : AC(392)

Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)

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

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: Influenza : CK(789) : AC(123), H1N1 Infection : CK(583) : AC(113), Swine Flu Associated Virus : CK(187) : AC(43)

Additional Keywords: Healthcare Workers Influenza : CK(20) : AC(1)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64), Vaccination: Influenza A : CK(387) : AC(101)
Inactivated flu vaccines have not been proven to be effective or safe in preventing influenza in healthy children under two.


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

**Authors**: Tom Jefferson, Alessandro Rivetti, Anthony Harnden, Carlo Di Pietrantonj, Vittorio Demicheli

**Study Type**: Meta Analysis


**Anti Therapeutic Actions**: Vaccination: All: CK(5147): AC(438), Vaccination: Influenza: CK(521): AC(64)

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

**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


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

**Anti Therapeutic Actions**: Vaccination: All: CK(5147): AC(438), Vaccination: Influenza: CK(521): AC(64)

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

**Pubmed Data**: Vaccine. 2006 Oct 30;24(42-43):6468-75. Epub 2006 Jul 7. PMID: [16876293](#)

**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(387): AC(101), Swine Flu Associated Virus: CK(187): AC(43)
There is little evidence supporting the belief that vaccines are effective in preventing influenza in healthy adults.

**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 Pietrantoni, Alessandro Rivetti, Ghada A Bawazeer, Lubna A Al-Ansary, Eliana Ferroni

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Influenza A : CK(387) : AC(101), Influenza B : CK(73) : AC(14)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)

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Vaccine-induced anti-HA2 antibodies promote virus fusion and enhance influenza virus respiratory disease.


**Article Published Date**: Aug 27, 2013

**Authors**: Surender Khurana, Crystal L Loving, Jody Manischewitz, Lisa R King, Phillip C Gauger, Jamie Henningson, Amy L Vincent, Hana Golding

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Influenza A : CK(387) : AC(101), Lower Respiratory Infections : CK(12) : AC(3), Pneumonia : CK(421) : AC(57)

**Additional Keywords**: Increased Risk : CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)

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

**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(583) : AC(113), Influenza : CK(789) : AC(123), Influenza A : CK(387) : AC(101), Swine Flu Associated Virus : CK(187) : AC(43)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)
Influenza B (AC 1) (CK 20)

There is little evidence supporting the belief that vaccines are effective in preventing influenza in healthy adults.


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(387) : AC(101), Influenza B: CK(73) : AC(14)

Anti Therapeutic Actions: Vaccination: Influenza: CK(521) : AC(64)

Intussusception (AC 3) (CK 30)

Rates of intussusception associated with rotavirus vaccines may be significantly underestimated.

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

Additional Links

Diseases: Intussusception: CK(30) : AC(3), Vaccine-induced Toxicity: CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Rotavirus: CK(56) : AC(11)

Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception.
Rotavirus vaccinations have a history of causing adverse effects such as intussusception.


**Article Published Date** : Jun 01, 2001

**Authors** : L R Zanardi, P Haber, G T Mootrey, M T Niu, M Wharton

**Study Type** : Human Study

**Additional Links**

**Diseases** : Intussusception: CK(30) : AC(3), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Rotavirus : CK(56) : AC(11)

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Joint Diseases (AC 1) (CK 10)

Anthrax vaccination contributes to joint related adverse reactions.


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

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

**Study Type** : Human Study

**Additional Links**

**Diseases** : Joint Diseases : CK(30) : AC(3)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Anthrax : CK(62) : AC(8)
Kawasaki Disease (AC 2) (CK 6)

An infant presenting with Kawasaki disease following immunization for influenza.


Article Published Date: Feb 28, 2018

Authors: Seung Woo Jeong, Do Hee Kim, Mi Young Han, Sung-Ho Cha, Kyung Lim Yoon

Study Type: Human: Case Report

Additional Links

Diseases: Kawasaki Disease : CK(31) : AC(4), Vaccine-induced Toxicity : CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)

Bacillus Calmette-Guérin reactivation as a sign of incomplete Kawasaki disease.


Article Published Date: Mar 30, 2016

Authors: Cristina Novais, Fabiana Fortunato, Anabela Bicho, Luísa Preto

Study Type: Human: Case Report

Additional Links

Diseases: Kawasaki Disease : CK(31) : AC(4), Vaccine-induced Toxicity : CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: BCG (Tuberculosis) : CK(34) : AC(5)

Leukemia Cutis (AC 1) (CK 3)

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


Article Published Date: Oct 01, 2010

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

Study Type: Human: Case Report

Additional Links
Lichen Planus (AC 1) (CK 3)

This report provides further documentation for a causal association linking the HBV vaccine with lichen planus.

Pubmed Data: Dermatology. 2002 ;205(2):166-8. PMID: 12218234
Article Published Date: Dec 31, 2001
Authors: N G Stavrianeas, A C Katoulis, A Kanelleas, E Hatziolou, S Georgala
Study Type: Human: Case Report
Diseases: Lichen Planus : CK(64) : AC(8)
Additional Keywords: Risk Factors : CK(3057) : AC(392)
Anti Therapeutic Actions: Vaccination: Hepatitis B : CK(468) : AC(64)
Problem Substances: Thimerosal : CK(757) : AC(85)

Lipoatrophy (AC 1) (CK 3)

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

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(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)
Liver Damage (AC 1) (CK 2)

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

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(5147): AC(438), Vaccination: Hepatitis B: CK(468): AC(64)
Adverse Pharmacological Actions: Hepatotoxic: CK(335): AC(96)

Liver Disease (AC 1) (CK 10)

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

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(145): AC(41), Vaccine-induced Toxicity: CK(1356): AC(210)
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Hepatitis B: CK(468): AC(64)
**Lower Respiratory Infections (AC 1) (CK 1)**

**Vaccine-induced anti-HA2 antibodies promote virus fusion and enhance influenza virus respiratory disease.**


**Article Published Date**: Aug 27, 2013

**Authors**: Surender Khurana, Crystal L Loving, Jody Manischewitz, Lisa R King, Phillip C Gauger, Jamie Henningson, Amy L Vincent, Hana Golding

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Influenza A : CK(387) : AC(101), Lower Respiratory Infections : CK(12) : AC(3), Pneumonia : CK(421) : AC(57)

**Additional Keywords**: Increased Risk : CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)

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**Lupus Erythematosus: Cutaneous (AC 1) (CK 3)**

**Cutaneous lupus erythematosus and buccal aphthosis after hepatitis B vaccination has been reported in a 6-year-old child**


**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(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)
Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Article Published Date: Jun 01, 2005
Authors: David A Geier, Mark R Geier
Study Type: Human Study

Possible systemic lupus erythematosus following HPV immunization has been reported.

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

Vaccination for rabies, varicella or Lyme disease may
result in acute or subacute post-vaccination small fiber neuropathy.

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

Lymphadenopathy (AC 1) (CK 3)

Development of unilateral cervical and supraclavicular lymphadenopathy after human papilloma virus vaccination.

Pubmed Data: Pharmacotherapy. 2008 Sep ;28(9):1194-7. PMID: 18752390
Article Published Date: Aug 31, 2008
Authors: James Studdiford, Kathleen Lamb, Kedron Horvath, Marc Altshuler, Amber Stonehouse
Study Type: Human: Case Report

Lymphoma (AC 1) (CK 1)

This review concludes that chronic adjuvant stimulation may lead to lymphoma.
Macrophagic myofasciitis (AC 6) (CK 35)

Aluminum hydroxide-induced macrophagic myofasciitis (MMF) associated with vaccination has been reported.

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(36) : AC(7)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438)
Problem Substances : Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)

Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.

Pubmed Data : Front Neurol. 2015 ;6:4. Epub 2015 Feb 5. PMID: 25699008
Article Published Date : Dec 31, 2014
Authors : Romain Kroum Gherardi, Housam Eidi, Guillemette Crépeaux, François Jerome Authier, Josette Cadusseau
Study Type : Review
In the present study, intracytoplasmic inclusions were constantly detected in macrophages of the MMF lesions and were shown to contain aluminium by three different methods.

Pubmed Data: Brain. 2001 Sep 124(Pt 9):1821-31. PMID: 11522584

Article Published Date: Aug 31, 2001

Authors: R K Gherardi, M Coquet, P Cherin, L Belec, P Moretto, P A Dreyfus, J F Pellissier, P Chariot, F J Authier

Study Type: Human Study

Additional Links

Diseases: Aluminum Toxicity: CK(207) : AC(75), Autoimmune Diseases: CK(6629) : AC(1128), Macrophagic myofascitis: CK(36) : AC(7)

Additional Keywords: Biopersistence: CK(11) : AC(2), Genomic Variation: CK(143) : AC(18), Gulf War Syndrome: CK(1) : AC(1), Risk Factors: CK(3057) : AC(392)

Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438)

Problem Substances: Aluminum Hydroxide: CK(79) : AC(18)

Adverse Pharmacological Actions: Neurotoxic: CK(1396) : AC(289)

Long-term persistence of vaccine-derived aluminum hydroxide within the body assessed by MMF is associated with cognitive dysfunction.


Article Published Date: Oct 31, 2009

Authors: Maryline Couette, Marie-Françoise Boisse, Patrick Maison, Pierre Brugieres, Pierre Cesaro, Xavier Chevalier, Romain K Gherardi, Anne-Catherine Bachoud-Levi, François-Jérôme Authier

Study Type: Human Study

Additional Links

Diseases: Cognitive Decline/Dysfunction: CK(1163) : AC(215), Macrophagic myofascitis: CK(36) : AC(7)

Additional Keywords: Increased Risk: CK(1600) : AC(192)

Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438)

Problem Substances: Aluminum Hydroxide: CK(79) : AC(18)
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.


**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(275) : AC(40), Macrophagic myofasciitis : CK(36) : AC(7), Pseudolymphoma : CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)

**Adverse Pharmacological Actions**: Immunotoxic : CK(338) : AC(66)

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


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

**Study Type**: Commentary

**Additional Links**


**Malaria (AC 1) (CK 10)**

**Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and measles.**


Article Published Date: Jun 30, 2004

Authors: Laura E Caulfield, Mercedes de Onis, Monika Blössner, Robert E Black

Study Type: Human Study

Additional Links


Additional Keywords: Undernourishment And Susceptibility To Infectious Disease: CK(10): AC(1)

Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)

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**Measles (AC 35) (CK 311)**

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


Article Published Date: Jul 31, 1988

Authors: L Sekla, W Stackiw, G Eibisch, I Johnson

Study Type: Human Study

Additional Links

Diseases: Measles: CK(962): AC(39)

Additional Keywords: Antibody Theory Of Vaccinology: CK(95): AC(11), Vaccine Failure: CK(255): AC(32)


"The design and reporting of safety outcomes in MMR vaccine studies, both pre- and post-marketing, are largely
A 1993 outbreak of measles in a highly immunised Australian population.

A low measles vaccine efficacy rate may explain the less-than-expected gains attributable to vaccination.

A major measles epidemic occurred in 1989 in the region of Quebec despite a 99% vaccine coverage.
A measles outbreak at a college with a prematriculation immunization requirement.

A measles outbreak in Montana in 1985 indicates vaccine failure.

A patient that had received 2 doses of MMR vaccine developed measles after being exposed in the setting of a hospital waiting room.
An outbreak of measles occurred in a high school with a documented vaccination level of 98 per cent.


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.

Detection of measles vaccine in the throat of a vaccinated child.


**Article Published Date** : Feb 21, 2002

**Authors** : Florence Morfin, Anne Beguin, Bruno Lina, Danielle Thouvenot

Detection of modified measles and super-spreader using a real-time reverse transcription PCR in the largest measles outbreak, Yamagata, Japan.


**Article Published Date** : Sep 30, 2018

**Authors** : J Seto, T Ikeda, S Tanaka, K Komabayashi, Y Matoba, Y Suzuki, S Takeuchi, T Yamauchi, K Mizuta

Difficulties in eliminating measles and controlling rubella and mumps in a 99% measles vaccine compliant population.


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

**Authors** : Zhifang Wang, Rui Yan, Hanqing He, Qian Li, Guohua Chen, Shengxu Yang, Enfu Chen
Even though 95% of the children had measles antibodies after vaccination, vaccine efficacy was not more than 68%.


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


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

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.

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(962) : AC(39)
Additional Keywords: Vaccine Failure : CK(255) : AC(32)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Measles : CK(252) : AC(31)

In this animal study measles vaccine did not prevent infection or disease against wild type MeV.

Article Published Date: Dec 31, 2013
Authors: Wen-Hsuan W Lin, Chien-Hsiung Pan, Robert J Adams, Beth L Laube, Diane E Griffin
Study Type: Animal Study
Additional Links
Diseases: Measles : CK(962) : AC(39)
Anti Therapeutic Actions: Vaccination: Measles : CK(252) : AC(31)

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.

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
Diseases: Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Autoimmune Diseases : CK(6629) : AC(1128), Measles : CK(962) : AC(39)
Additional Keywords: Molecular Mimicry : CK(67) : AC(15)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Article Published Date : Oct 25, 2018
Authors : Eva Avramovich, Viki Indenbaum, Meital Haber, Ziva Amitai, Evgeny Tsifanski, Sahar Farjun, Alona Sarig, Adi Bracha, Karina Castillo, Michal Perry Markovich, Inbal Galor
Study Type : Human Study
Additional Links
Diseases : Measles : CK(962) : AC(39)

Measles outbreak in a fully immunized secondary-school population with up to 99 percent vaccination.

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(962) : AC(39)
Additional Keywords : Antibody Theory Of Vaccinology : CK(95) : AC(11), Vaccine Failure : CK(255) : AC(32)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438), Vaccination: Measles : CK(252) : AC(31)

Measles vaccination in developing countries has resulted in higher infant mortality rates.

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(74) : AC(9), Measles : CK(962) : AC(39), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438), Vaccination: Measles : CK(252) : AC(31)

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.

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

Nucleic acid testing identified that a vaccine-type measles virus was being shed in the urine.

Article Published Date: Mar 31, 2012
Authors: Lindsay Nestibo, Bonita E Lee, Kevin Fonseca, Jennifer Beirnes, Marcia M Johnson, Christopher A Sikora
Study Type: Human Study

Passive acquired immunity against measles in infants born to naturally infected and vaccinated mothers.

Article Published Date: Nov 30, 2003
Authors: Leszek Szenborn, Annedore Tischer, Jerzy Pejcz, Zbigniew Rudkowski, Marta Wójcik
Study Type: Human Study

Passive immunity against measles is superior in infants of mothers who experienced naturally acquired measles infection versus those who were vaccinated.
Primary and secondary vaccine failure may explain the 1992 measles epidemic in Cape Town.

Simultaneous co-detection of wild-type and vaccine strain measles virus using the BD MAX system.

The largest measles outbreak, including 38 modified measles and 22 typical measles cases in its elimination era in Yamagata, Japan, 2017.
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.

Article Published Date: Jul 01, 2002
Authors: Vijendra K Singh, Sheren X Lin, Elizabeth Newell, Courtney Nelson
Study Type: Human Study
Additional Links
Diseases: Autism : CK(617) : AC(73), Autism Spectrum Disorders : CK(1493) : AC(159), Autoimmune Diseases : CK(6629) : AC(1128), Measles : CK(962) : AC(39)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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 humans.

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
Additional Links
Diseases: Measles : CK(962) : AC(39)
Additional Keywords: Vaccine Efficacy Overestimation : CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

There is evidence that measles vaccine recipients can shed measles vaccine.

Pubmed Data: J Clin Microbiol. 1995 Sep ;33(9):2485-8. PMID: 7494055
Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and measles.


Vaccine-associated measles has been identified in Zhejiang.


Meningitis: Viral (AC 2) (CK 20)
Varicella vaccine has been reported to cause herpes zoster skin lesions and meningitis in a previously healthy boy.

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.

Article Published Date: Jun 01, 2009
Authors: Sujit Iyer, Manoj K Mittal, Richard L Hodinka
Study Type: Human Study
Additional Links
Pharmacological Actions: Antiviral Agents: CK(938): AC(433)
Additional Keywords: Undefined: CK(14): AC(3)

Mental Retardation (AC 1) (CK 1)

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

Article Published Date: Apr 01, 2009
Authors: Donald A Drum
**Mercury Poisoning (AC 7) (CK 55)**

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


**Article Published Date**: Sep 01, 2007

**Authors**: Rejane C Marques, José G Dórea, Márion F Fonseca, Wanderley R Bastos, Olaf Malm

**Study Type**: Human Study

**Additional Links**

**Diseases**: Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Therapeutic Actions**: Breastfeeding : CK(803) : AC(85)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(468) : AC(64)

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**Hepatitis B vaccination is associated with potentially neurotoxic mercury exposure in infants.**


**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(228) : AC(178), Premature Birth : CK(424) : AC(45)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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


**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(241) : AC(46), Infant Chemical Exposures : CK(175) : AC(25), Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1356) : AC(210)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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


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

**Authors**: Stephanie F Cave

**Study Type**: Commentary

**Additional Links**
- **Diseases**: Autism Spectrum Disorders : CK(1493) : AC(159), Mercury Poisoning : CK(228) : AC(178), Mitochondrial Diseases : CK(227) : AC(92), Vaccine-induced Toxicity : CK(1356) : AC(210)
- **Additional Keywords**: Diseases that are Linked : CK(2345) : AC(305)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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


**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(6629) : AC(1128), Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1356) : AC(210)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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The vaccine adjuvant thimerosal induces adverse changes in the cerebellum of mice, lending plausibility to the association between autism and low-dose mercury
There is evidence supporting an association between increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.

Article Published Date: Dec 31, 2012
Authors: David A Geier, Brian S Hooker, Janet K Kern, Paul G King, Lisa K Sykes, Mark R Geier
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)
Problem Substances: Mercury : CK(237) : AC(38), Thimerosal : CK(757) : AC(85)

**Miller Fisher Syndrome (AC 1) (CK 3)**

Influenza vaccination has been reported to cause miller fisher syndrome.

Article Published Date: Oct 01, 2011
Authors: Ashkan Shoamanesh, Kristine Chapman, Anthony Trabousee
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)
The use of misoprostol for early pregnancy failure after failed expectant management is less costly than curettage.


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

**Authors**: G C M Graziosi, J W van der Steeg, P H W Reuwer, A P Drogtrp, H W Bruinse, B W J Mol

**Study Type**: Human Study

**Miscarriage: Medical Intervention** (AC 1) (CK 10)

The use of misoprostol for early pregnancy failure after failed expectant management is less costly than curettage.


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

**Authors**: G C M Graziosi, J W van der Steeg, P H W Reuwer, A P Drogtrp, H W Bruinse, B W J Mol

**Study Type**: Human Study

**Additional Links**
Mitochondrial Diseases (AC 1) (CK 1)

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

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
Diseases: Autism Spectrum Disorders: CK(1493) : AC(159), Mercury Poisoning: CK(228) : AC(178), Mitochondrial Diseases: CK(227) : AC(92), Vaccine-induced Toxicity: CK(1356) : AC(210)
Additional Keywords: Diseases that are Linked: CK(2345) : AC(305)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438)

Mood Disorders (AC 1) (CK 10)

Typhoid but not placebo injection produced an inflammatory response indexed by increased circulating interleukin-6 and significant mood reduction at 3 hours.

Article Published Date: Aug 31, 2009
Authors: Neil A Harrison, Lena Brydon, Cicely Walker, Marcus A Gray, Andrew Steptoe, Hugo D Critchley
Study Type: Human Study
Additional Links
Diseases: Depressive Disorder: CK(426) : AC(60), Inflammation: CK(3240) : AC(882), Mood
Morphea profunda (AC 1) (CK 3)

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

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(5147): AC(438)

Multiple Sclerosis (AC 15) (CK 79)

"Yellow fever vaccination and increased relapse rate in travelers with multiple sclerosis."

Article Published Date: Oct 01, 2011
Authors: Mauricio F Farez, Jorge Correale
Study Type: Human Study
Additional Links
Diseases: Multiple Sclerosis: CK(964): AC(184)
Anti Therapeutic Actions: Vaccination: Yellow Fever: CK(23): AC(5)
Adverse Pharmacological Actions: Immunotoxic: CK(338): AC(66)
Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.

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(1671) : AC(332), Multiple Sclerosis: CK(964) : AC(184), Rubella: CK(64) : AC(8), Vaccine-induced Toxicity: CK(1356) : AC(210)
Additional Keywords: Molecular Mimicry: CK(67) : AC(15)

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

Article Published Date: Jan 01, 2009
Authors: Cecilia Ahlgren, Kjell Torén, Anders Odén, Oluf Andersen
Study Type: Human Study
Additional Links
Diseases: Multiple Sclerosis: CK(964) : AC(184), Vaccine-induced Toxicity: CK(1356) : AC(210)

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

Article Published Date: Nov 01, 2009
Authors: Marta A Balinska
Study Type: Human Study
Additional Links
Diseases: Multiple Sclerosis: CK(964) : AC(184)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

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


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

**Authors**: Yannick Comenge, Marc Girard

**Study Type**: Commentary

**Additional Links**

**Diseases**: Demyelinating Diseases: CK(1671) : AC(332), Hepatitis B: CK(241) : AC(46), Multiple Sclerosis: CK(964) : AC(184), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

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


**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(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

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


**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(1671) : AC(332), Inflammation: CK(3240) : AC(882), Multiple Sclerosis: CK(964) : AC(184)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)
Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.

**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(1671) : AC(332), Hepatitis B: CK(241) : AC(46), Multiple Sclerosis: CK(964) : AC(184), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Hepatitis B Vaccine: CK(30) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

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Neurological adverse events associated with vaccination.


**Article Published Date**: May 31, 2002

**Authors**: Sucheep Piyasirisilp, Thiravat Hemachudha

**Study Type**: Review

**Additional Links**

**Diseases**: Autism: CK(617) : AC(73), Guillain-Barre Syndrome: CK(110) : AC(18), Multiple Sclerosis: CK(964) : AC(184), New Variant Creutzfeldt-Jakob Disease: CK(4) : AC(2), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Adverse Events: CK(37) : AC(7), Vaccine Contaminants: CK(11) : AC(2)

**Problem Substances**: Aluminum: CK(274) : AC(78), Thimerosal: CK(757) : AC(85)

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


**Article Published Date**: Feb 18, 2010

**Authors**: Serefnur Oztürk

**Study Type**: Commentary

**Additional Links**

**Diseases**: Autoimmune Diseases: CK(6629) : AC(1128), Multiple Sclerosis: CK(964) : AC(184)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Influenza: CK(521) : AC(64)

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

Article Published Date: Jan 01, 2005
Authors: E Faure
Study Type: Commentary
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Hepatitis B: CK(468): AC(64)

Vaccination may be contributing to autoimmune disease.

Article Published Date: Feb 01, 2000
Authors: Y Shoenfeld, A Aron-Maor
Study Type: Commentary
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)

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

Article Published Date: Feb 01, 2010
Authors: Hedi Orbach, Nancy Agmon-Levin, Gisele Zandman-Goddard
Study Type: Commentary
Additional Links
Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).

Article Published Date: Nov 30, 2014
Authors: Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng
Study Type: Human Study
Additional Links
Diseases: Demyelinating Diseases: CK(1671) : AC(332), Multiple Sclerosis: CK(964) : AC(184), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)
Adverse Pharmacological Actions: Immunotoxic: CK(338) : AC(66), Neurotoxic: CK(1396) : AC(289)

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

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(6629) : AC(1128), Multiple Sclerosis: CK(964) : AC(184)
Additional Keywords: Diseases that are Linked: CK(2345) : AC(305)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Varicella (Chicken pox): CK(177) : AC(22)

Mumps (AC 8) (CK 59)

"Mumps outbreak among vaccinated university students associated with a large party, the Netherlands, 2010."

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


Are cases of mumps in vaccinated patients attributable to mismatches in both vaccine T-cell and B-cell epitopes?: An immunoinformatic analysis.


Deep sequencing reveals persistence of cell-associated mumps vaccine virus in chronic encephalitis.
Difficulties in eliminating measles and controlling rubella and mumps in a 99% measles vaccine compliant population.

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.

In vitro and in vivo growth alter the population dynamic and properties of a Jeryl Lynn mumps vaccine.
**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.**

**Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.**
Molecular and clinical relationship between live-attenuated Japanese encephalitis vaccination and childhood onset myasthenia gravis.

**Pubmed Data** : Ann Neurol. 2018 Sep ;84(3):386-400. PMID: 30246904

**Article Published Date** : Aug 31, 2018

**Authors** : Dan He, Han Zhang, Jun Xiao, Xiaofan Zhang, Minjie Xie, Dengji Pan, Minghuan Wang, Xiang Luo, Bitao Bu, Min Zhang, Wei Wang

**Study Type** : Human Study

**Additional Links**

**Diseases** : Myasthenia Gravis : CK(82) : AC(14)

**Additional Keywords** : Increased Risk : CK(1600) : AC(192), Molecular Mimicry : CK(67) : AC(15)

**Anti Therapeutic Actions** : Vaccination: Japanese Encephalitis Virus Vaccine : CK(13) : AC(2)

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Mycoplasma Infections (AC 2) (CK 11)

High antibody titres against predicted Mycoplasma surface proteins do not prevent sequestration in infected lung tissue in the course of experimental contagious bovine pleuropneumonia.


**Article Published Date** : Aug 05, 2014

**Authors** : Elise Schieck, Anne Liljander, Carl Hamsten, Nimmo Gicheru, Massimo Scacchia, Flavio Sacchini, Martin Heller, Christiane Schnee, Anja Sterner-Kock, Andreas Hlinak, Jan Naessens, Jane Poole, Anja Persson, Joerg Jores

**Study Type** : Human Study

**Additional Links**

**Diseases** : Mycoplasma Infections : CK(14) : AC(5), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords** : Antibody Theory Of Vaccinology : CK(95) : AC(11)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)
Mycoplasma testing of cell substrates and biologics is often not performed due to the long turn around.


**Article Published Date**: Apr 01, 2011

**Authors**: Dmitriy V Volokhov, Laurie J Graham, Kurt A Brorson, Vladimir E Chizhikov

**Study Type**: Review

**Additional Links**

**Diseases**: Mycoplasma Infections : CK(14) : AC(5)

**Additional Keywords**: Vaccine Risks: Mycoplasma : CK(1) : AC(1), Vaccine Safety : CK(21) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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**Myelitis (AC 6) (CK 42)**

Acute transverse myelitis after influenza vaccination has been reported.


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

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

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Myelitis : CK(42) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

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


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

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

**Study Type**: Human Study

**Additional Links**

Hepatitis B vaccine may induce myelitis in susceptible individuals.

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(42): AC(6)

Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Hepatitis B: CK(468): AC(64)

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


Article Published Date: Apr 01, 2012

Authors: Joerg-Patrick Stübgen

Study Type: Human: Case Report

Additional Links

Diseases: Myelitis: CK(42): AC(6), Vaccine-induced Toxicity: CK(1356): AC(210)

Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Hepatitis B: CK(468): AC(64)

Vaccination is associated with a rare autoimmune neurological condition transverse myelitis.

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(42): AC(6), Vaccine-induced Toxicity: CK(1356): AC(210)


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


**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(42) : AC(6), Swine Flu Associated Virus : CK(187) : AC(43)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64), Vaccination: Nasal : CK(3) : AC(1)

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**Myelodysplastic Syndrome (AC 1) (CK 3)**

_A case of hypersensitivity reaction, myelodysplastic syndrome and pancytopenia, which developed after an thimerosal-containing tetanus vaccine._


**Article Published Date**: Nov 30, 2007

**Authors**: Hasan Karsen, Hayrettin Akdeniz, Mustafa H Karahocagil, Ali I Baran, Remzi Erten

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Myelodysplastic Syndrome : CK(224) : AC(23)

**Anti Therapeutic Actions**: Vaccination: Tetanus : CK(77) : AC(13)

**Problem Substances**: Thimerosal : CK(757) : AC(85)

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**Myocardial Infarction (AC 1) (CK 3)**

_A case of sudden infant death due to incomplete Kawasaki disease._
Myocarditis (AC 4) (CK 33)

An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly.

Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States.
Smallpox vaccination has been associated with cardiac complications such as myopericarditis.

**Pubmed Data**: South Med J. 2009 May 7. Epub 2009 May 7. PMID: [19434043](#)

**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(44) : AC(7), Myopericarditis : CK(40) : AC(4), Pericarditis : CK(35) : AC(5)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Smallpox : CK(74) : AC(9)

This case serves to increase awareness of the association of vaccine-mediated myocarditis in the month after immunization.


**Article Published Date**: Feb 29, 2012

**Authors**: Charles L Taylor, Robert E Eckart

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Myocarditis : CK(44) : AC(7), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Smallpox : CK(74) : AC(9)

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**Myopathy: Inflammatory (AC 1) (CK 1)**

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.


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

**Authors**: Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier
A report of 2 cases of myopericarditis after Vaccinia virus (smallpox) immunization.

Pubmed Data: WMJ. 2011 Dec;110(6):291-4. PMID: 22324207
Article Published Date: Nov 30, 2011
Authors: Umesh Sharma, Tahir Tak
Study Type: Human: Case Report
Additional Links
Anti Therapeutic Actions: Vaccination: Smallpox: CK(74): AC(9)

Acute myopericarditis after multiple vaccinations in an adolescent.

Article Published Date: May 31, 2007
Authors: Maria T Thanjan, Prema Ramaswamy, Wyman W Lai, Irene D Lytrivi
Study Type: Human: Case Report, Review
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)

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.

Article Published Date: Jun 25, 2003
An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly.


**Article Published Date**: Jul 01, 1994

**Authors**: Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey

**Study Type**: Human Study

**Diseases**: Myocarditis : CK(44) : AC(7), Myopericarditis : CK(40) : AC(4), Pericarditis : CK(35) : AC(5)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Smallpox : CK(74) : AC(9)

Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States.


**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(44) : AC(7), Myopericarditis : CK(40) : AC(4), Pericarditis : CK(35) : AC(5)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Smallpox : CK(74) : AC(9)

Smallpox vaccination has been associated with cardiac complications such as myopericarditis.

**Narcolepsy (AC 5) (CK 25)**

**An association between Pandemrix vaccination and narcolepsy has been observed in Finland and Sweden**


**Mechanistic insights into influenza vaccine-associated narcolepsy.**


**Narcolepsy type 1 is most likely an autoimmune disease.**

Narcolepsy with cataplexy and hyperthyroidism sudden appeared after H1N1 vaccination.

Pubmed Data: Sleep Sci. 2018 Jan-Feb;11(1):34-36. PMID: 29796199

We consider it likely that pandemrix vaccination contributed to the increased incidence of narcolepsy in Finland in 2010 in HLA DQB1*0602 positive children.


Neuritis: Brachial Plexus (AC 1) (CK 1)
The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.

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

Additional Links


Aluminium has been demonstrated to impact the CNS at every level, including by changing gene expression.

Article Published Date: Dec 31, 2013
Authors: Christopher A Shaw, Dan Li, Lucija Tomljenovic
Study Type: Review

Additional Links
Diseases: Aluminum Toxicity : CK(207) : AC(75), Autoimmune Diseases : CK(6629) : AC(1128), Neurodegenerative Diseases : CK(3582) : AC(932)

Additional Keywords: Neurodegenerative Diseases : CK(3582) : AC(932), Neurodegenerative Diseases : CK(3582) : AC(932), Neurodegenerative Diseases : CK(3582) : AC(932), Gene Expression : CK(93) : AC(46), Gene Expression : CK(93) : AC(46), Gene Expression : CK(93) : AC(46)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)
Problem Substances: Aluminum : CK(274) : AC(78), Vaccine Adjuvants : CK(594) : AC(118)

Aluminum in neurological and neurodegenerative
The putative role of environmental aluminium in the development of chronic neuropathology in adults and children.

**Pubmed Data**: Metab Brain Dis. 2017 10 ;32(5):1335-1355. Epub 2017 Jul 27. PMID: 28752219
**Article Published Date**: Jan 09, 2017
**Authors**: Gerwyn Morris, Basant K Puri, Richard E Frye
**Study Type**: Review
**Additional Links**
- **Diseases**: Aluminum Toxicity : CK(207) : AC(75), Neurodegenerative Diseases : CK(3582) : AC(932)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)
- **Problem Substances**: Aluminum : CK(274) : AC(78)

Increasing organic Hg exposure from Thimerosal-containing vaccines increased the subsequent risk of pervasive developmental disorder diagnosis.

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.

This study provides suggestive evidence of an association between thimerosal and neurodevelopmental outcomes.

This study supports an association between increasing exposure from thimerosal containing childhood vaccines and the subsequent risk of specific delays in development.
among males and females.

**Article Published Date** : Sep 30, 2014
**Authors** : David A Geier, Janet K Kern, Brian S Hooker, Paul G King, Lisa K Sykes, Mark R Geier
**Study Type** : Human Study
**Additional Links**
**Diseases** : Autoimmune Diseases : CK(6629) : AC(1128), Neurodevelopmental Disorders : CK(217) : AC(33)
**Anti Therapeutic Actions** : Vaccination: Hepatitis B : CK(468) : AC(64)
**Problem Substances** : Thimerosal : CK(757) : AC(85)

VAERS had significantly higher ORs than autism following thimerosal containing DTaP vaccines in comparison to thimerosal free DTaP vaccines.

**Article Published Date** : Sep 29, 2011
**Authors** : Mieszko Olczak, Michalina Duszczyk, Pawel Mierzejewski, Ksenia Meyza, Maria Dorota Majewska
**Study Type** : Animal Study
**Additional Links**
**Diseases** : Autism Spectrum Disorders : CK(1493) : AC(159), Neurodevelopmental Disorders : CK(217) : AC(33)
**Anti Therapeutic Actions** : Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)
**Problem Substances** : Thimerosal : CK(757) : AC(85)

**Neurological Conditions (AC 1) (CK 10)**

Yellow fever vaccine may be linked to neurological problems via a molecular mimicry mechanism.

**Article Published Date** : Dec 31, 2015
**Authors** : Richard E Rosch, Michael Farquhar, Paul Gringras, Deb K Pal
**Study Type** : Human Study
**Additional Links**
**Diseases** : Neurological Conditions : CK(5) : AC(5)
Neuromuscular Diseases (AC 1) (CK 1)

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

Article Published Date: May 15, 2010
Authors: Joerg-Patrick Stübgen
Study Type: Review
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

Neuromyelitis Optica (AC 1) (CK 1)

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

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(5147) : AC(438)
Neuropathic Pain (AC 1) (CK 10)

A disabling syndrome of chronic neuropathic pain, fatigue, and autonomic dysfunction may appear after HPV vaccination.

Article Published Date: Oct 31, 2015
Authors: Manuel Martínez-Lavín, Laura-Aline Martínez-Martínez, Paola Reyes-Loyola
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: HPV (Gardasil): CK(347): AC(58)

Neuropathies (AC 1) (CK 1)

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

Article Published Date: May 15, 2010
Authors: Joerg-Patrick Stübgen
Study Type: Review
Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Hepatitis B: CK(468): AC(64)
Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.


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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Neurological adverse events associated with vaccination.


Article Published Date: May 31, 2002

Authors: Sucheep Piyasirisilp, Thiravat Hemachudha

Study Type: Review

Additional Links


Additional Keywords: Adverse Events: CK(37) : AC(7), Vaccine Contaminants: CK(11) : AC(2)
Non-polio acute flaccid paralysis (NPAFP) (AC 3) (CK 12)

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.


Article Published Date: Apr 01, 2012
Authors: Neetu Vashisht, Jacob Puliyel
Study Type: Review

Additional Links

Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Polio: CK(98) : AC(17)

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


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(5147) : AC(438), Vaccination: Polio : CK(98) : AC(17)
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.


**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**


Obesity (AC 2) (CK 20)

Increased organic mercury exposure from Thimerosal-containing hepatitis B vaccines could lead to an increased risk of obesity diagnosis.


**Article Published Date**: Jun 30, 2016

**Authors**: David A Geier, Janet K Kern, Kristin G Homme, Lisa K Sykes, Mark R Geier

**Study Type**: Human Study

**Additional Links**

**Diseases**: Obesity: CK(2443) : AC(521)

**Additional Keywords**: Risk Factors: CK(3057) : AC(392)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B: CK(468) : AC(64)

**Problem Substances**: Thimerosal: CK(757) : AC(85)

**Adverse Pharmacological Actions**: Obesogenic: CK(88) : AC(18)

Vaccinated obese adults are twice as likely to develop influenza and influenza-like illness compared to healthy weight adults.
**Optic Neuritis (AC 5) (CK 29)**

*Acute optic neuritis is a rare complication of MR vaccination and may occur early after immunization.*

**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.


**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(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

Optic neuritis following hepatitis B vaccination has been reported.


**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(39) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

This patient developed optic neuritis about five days after being given a dose of MMR vaccine.


**Article Published Date**: Dec 31, 2015

**Authors**: Chiara De Giacinto, Elvira Guaglione, Pia E Leon, Rossella D'Aloisio, Odilla Vattovani, Giuseppe Ravalico, Daniele Tognetto

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Optic Neuritis : CK(39) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords**: Antibody Titers : CK(13) : AC(2)

**Anti Therapeutic Actions**: Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)
Orchitis (AC 1) (CK 10)

**Mumps orchitis occurs vaccinated postpubertal males.**


**Article Published Date**: Nov 30, 2012

**Authors**: Bum Sik Tae, Byeong Kuk Ham, Jae Heon Kim, Jae Young Park, Jae Hyun Bae

**Study Type**: Human Study

**Additional Links**

**Diseases**: Orchitis : CK(12) : AC(2)

**Anti Therapeutic Actions**: Vaccination: Measles : CK(252) : AC(31)

Ovarian Failure (AC 3) (CK 9)

"**Human papilloma virus vaccine and primary ovarian failure: another facet of the autoimmune/inflammatory syndrome induced by adjuvants.**"


**Article Published Date**: Sep 30, 2013

**Authors**: Serena Colafrancesco, Carlo Perricone, Lucija Tomljenovic, Yehuda Shoenfeld

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Ovarian Failure : CK(29) : AC(6)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

Data from a case series of adolescents with idiopathic premature ovarian insufficiency following HPV vaccination.


**Article Published Date**: Sep 30, 2014

**Authors**: Deirdre Therese Little, Harvey Rodrick Grenville Ward
Premature ovarian failure was notified as a possible adverse event following HPV vaccination.

Article Published Date : Sep 29, 2012
Authors : Deirdre Therese Little, Harvey Rodrick Grenville Ward
Study Type : Human: Case Report

Oxidative Stress (AC 1) (CK 2)

Coriandrum sativum has antioxidant activity.

Article Published Date : Nov 01, 2009
Authors : V Chithra, S Leelamma
Study Type : Animal Study

Pancreatitis (AC 1) (CK 3)
This case of acute pancreatitis after HPV vaccination is not a novel entity.


**Article Published Date**: Jul 15, 2016

**Authors**: Mojca Bizjak, Or Bruck, Sonja Praprotnik, Shani Dahan, Yehuda Shoenfeld

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Pancreatitis : CK(233) : AC(60)

**Additional Keywords**: Molecular Mimicry : CK(67) : AC(15)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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**Pancytopenia (AC 1) (CK 10)**

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


**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(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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**Parapertussis (AC 2) (CK 13)**

"Primary infections with either B. pertussis or Bordetella
Parapertussis stimulated a vigorous antibody response to ACT. In contrast, patients in whom DTP and DTaP vaccines failed had minimal ACT antibody responses."


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

**Authors**: James D Cherry, Dorothy X L Xing, Penny Newland, Kashmira Patel, Ulrich Heininger, Michael J Corbel

**Study Type**: Human Study

**Additional Links**

**Diseases**: Parapertussis : CK(13) : AC(2), Whooping Cough : CK(147) : AC(22)

**Additional Keywords**: Vaccine Failure : CK(255) : AC(32)

**Anti Therapeutic Actions**: Vaccination: Pertussis : CK(158) : AC(26)

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**A case report of a 5-year-old, fully immunized boy with PCR proven consecutive B. pertussis and B. parapertussis infections.**


**Article Published Date**: Jul 05, 2016

**Authors**: Ulrich Heininger, Detlef Schlassa

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Parapertussis : CK(13) : AC(2), Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

**Anti Therapeutic Actions**: Vaccination: Pertussis : CK(158) : AC(26)

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**Parapneumonic Empyema (AC 1) (CK 10)**

**There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.**


**Article Published Date**: Nov 01, 2008
Parkinson's Disease (AC 1) (CK 3)

Three case studies of post-vaccinal parkinsonism.


**Article Published Date** : Nov 30, 2002

**Authors** : Dewey A Nelson, George W Paulson

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Parkinson's Disease : CK(986) : AC(324)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)

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Parkinsonian Disorders (AC 1) (CK 3)

Measles vaccine and glyphosate-induced parkinsonism has been reported.


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

**Authors** : Maria do Desterro Leiros da Costa, Lílian Regina Gonçalves, Egberto Reis Barbosa, Luiz Alberto Bacheschi

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Glyphosate Toxicity : CK(76) : AC(30), Parkinsonian Disorders : CK(25) : AC(13), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: Measles : CK(252) : AC(31)

**Problem Substances** : Glyphosate : CK(502) : AC(160)
**Pericarditis (AC 3) (CK 30)**

An economic analysis of mass smallpox vaccination reveals that cardiovascular adverse events would be sizeable and costly.


**Article Published Date**: Jul 01, 1994

**Authors**: Ismael R Ortega-Sanchez, Mercedes M Sniadack, Gina T Mootrey

**Study Type**: Human Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All: CK(5147): AC(438), Vaccination: Smallpox: CK(74): AC(9)

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**Myocarditis and pericarditis have been reported following smallpox vaccination in Europe, Australia and the United States.**


**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**


**Anti Therapeutic Actions**: Vaccination: All: CK(5147): AC(438), Vaccination: Smallpox: CK(74): AC(9)

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**Smallpox vaccination has been associated with cardiac complications such as myopericarditis.**

Influenza vaccines may induce hepatitis-B virus-related vasculitis and severe neuropathy.

**Pubmed Data**: J Cardiovasc Pharmacol. 2003 Sep;42(3):329-38. PMID: [18579284](https://doi.org/10.1177/0022047903423002)

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

**Authors**: Yuko Wada, Chie Yanagihara, Yo Nishimura, Nobuyuki Oka

**Study Type**: Commentary

**Diseases**: Peripheral Neuropathies: CK(218) : AC(37), Vasculitis: CK(48) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

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A case report of a 5-year-old, fully immunized boy with PCR proven consecutive B. pertussis and B. parapertussis infections.


**Article Published Date**: Jul 05, 2016

**Authors**: Ulrich Heininger, Detlef Schlassa

**Study Type**: Human: Case Report

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Peripheral Neuropathies (AC 1) (CK 1)

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Pertussis (AC 14) (CK 90)
DPT vaccines have been associated with recurrent seizures.

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

Despite high coverage rates for primary immunization in infants and children pertussis incidence rates are increasing.

Authors: Tina Tan, Evelinda Trindade, Danuta Skowronski
Study Type: Review

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...
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.

Lactobacillus bulgaricus contains a substance which may improve immunogenicity and reduce the toxicity of pertussis vaccination (whooping cough vaccine).

Pathogen adaptation has contributed to the resurgence of pertussis.

**Pubmed Data**: Euro Surveill. 2019 Feb ;24(7). PMID: 30782265
**Article Published Date**: Jan 31, 2019

**Authors**: Alex-Mikael Barkoff, Jussi Mertsola, Denis Pierard, Tine Dalby, Silje Vermedal Hoegh, Sophie Guillot, Paola Stefanelli, Marjolein van Gent, Guy Berbers, Didrik Vestrheim, Margrethe Greve-Isdahl, Lena Wehlin, Margaretha Ljungman, Norman K Fry, Kevin Markey, Qiushui He

**Study Type**: Meta Analysis

**Diseases**: Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

**Anti Therapeutic Actions**: Vaccination: Pertussis : CK(158) : AC(26)

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

**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

**Diseases**: Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

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.

**Article Published Date**: Jul 07, 1994

**Authors**: C D Christie, M L Marx, C D Marchant, S F Reising

**Study Type**: Human Study
The study results can be interpreted as a partial genetic escape of pathogenic strains of B. pertussis beyond the reach of the pertussis vaccines.

**Pubmed Data**: Epidemiol Mikrobiol Imunol. 2015 ;64(3):130-8. PMID: [26448300](https://www.ncbi.nlm.nih.gov/pubmed/26448300)

**Article Published Date**: Dec 31, 2014

**Authors**: J Zavadilová, D Lžičařová, M Musílek, P Křižová, K Fabiánová

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Pertussis : CK(158) : AC(26)

These results suggest that the immune pressure of vaccination is one major driving force for the evolution of B. pertussis.


**Article Published Date**: Dec 31, 2014

**Authors**: Yinghua Xu, Bin Liu, Kirsi Gröndahl-Yli-Hannuksila, Yajun Tan, Lu Feng, Teemu Kallonen, Lichan Wang, Ding Peng, Qiushui He, Lei Wang, Shumin Zhang

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Pertussis : CK(123) : AC(23), Whooping Cough : CK(147) : AC(22)

**Anti Therapeutic Actions**: Vaccination: Pertussis : CK(158) : AC(26)

Underestimation of central nervous system complications after pertussis immunization appears to be prevalent.


**Article Published Date**: Aug 01, 1991

**Authors**: W Ehrengut

**Study Type**: Review

**Additional Links**

**Diseases**: Pertussis : CK(123) : AC(23)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Pertussis : CK(158) : AC(26)
Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants.

**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(123) : AC(23), Vaccine-induced Toxicity: CK(1356) : AC(210), Whooping Cough: CK(147) : AC(22)
- **Additional Keywords**: Reservoirs For Infection: CK(10) : AC(1)
- **Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Pertussis: CK(158) : AC(26)

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**Pharyngeal Diseases (AC 1) (CK 10)**

Hepatitis B vaccine is positively associated with adverse health outcomes in the general population of US children.

**Article Published Date**: Jan 01, 2001
**Authors**: M A Fisher, S A Eklund, S A James, X Lin
**Study Type**: Human Study
**Additional Links**
- **Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

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**Pneumococcal Infections (AC 5) (CK**
Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants.

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(410) : AC(44), Pneumococcal Infections: CK(57) : AC(13), Upper Respiratory Infections: CK(1017) : AC(122)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Pneumococcal : CK(75) : AC(10)

Pneumococcal conjugate vaccine is not effective to prevent ear infections in previously unvaccinated toddlers and children with a history of recurrent ear infections.

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(306) : AC(42), Pneumococcal Infections: CK(57) : AC(13)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Pneumococcal : CK(75) : AC(10)

Pneumococcal vaccines are ineffective in children with a history of recurrent acute ear infections - Article 2.

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
**Pneumococcal vaccines do not appear to reduce the risk of death from pneumonia in adult populations.**


**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(57) : AC(13)
- **Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Pneumococcal: CK(75) : AC(10)

Review: based on currently available research pneumococcal vaccination should not be recommended for large scale use in ear infection prone populations.


**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(306) : AC(42), Pneumococcal Infections: CK(57) : AC(13)
- **Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Pneumococcal: CK(75) : AC(10)

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**Pneumonia (AC 4) (CK 41)**

Influenza vaccination for healthcare workers who work with the elderly has no effect on laboratory-proven influenza, pneumonia or deaths from pneumonia.
Pneumococcal vaccines do not appear to reduce the risk of death from pneumonia in adult populations.


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(57) : AC(13), Pneumonia : CK(421) : AC(57)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Pneumococcal: CK(75) : AC(10)

Undernutrition as an underlying cause of child deaths associated with diarrhea, pneumonia, malaria, and measles.


Article Published Date: Jun 30, 2004

Authors: Laura E Caulfield, Mercedes de Onis, Monika Blössner, Robert E Black

Study Type: Human Study

Additional Links

Diseases: Diarrhea : CK(612) : AC(83), Malaria : CK(145) : AC(58), Measles : CK(962) : AC(39), Pneumonia : CK(421) : AC(57)

Additional Keywords: Undernourishment And Susceptibility To Infectious Disease : CK(10) : AC(1)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Vaccine-induced anti-HA2 antibodies promote virus fusion and enhance influenza virus respiratory disease.


Article Published Date: Aug 27, 2013
Pneumonitis (AC 1) (CK 3)

A case of lethal status epilepticus and lymphocytic pneumonitis has been reported.


Article Published Date: Jul 01, 2008

Authors: Jozélio Freire de Carvalho, Yehuda Shoenfeld

Study Type: Human: Case Report

Diseases: Epilepsy: CK(255) : AC(66), Pneumonitis: CK(16) : AC(3)

Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

Polio (AC 4) (CK 17)

"Outbreak of paralytic poliomyelitis in Oman: evidence for widespread transmission among fully vaccinated children."


Article Published Date: Sep 20, 1991

Authors: R W Sutter, P A Patriarca, S Brogan, P G Malankar, M A Pallansch, O M Kew, A G Bass, S L Cochi, J P Alexander, D B Hall
Case report: failure to clear persistent vaccine-derived neurovirulent poliovirus infection in an immunodeficient man.


Article Published Date: May 07, 2004

Authors: Calman MacLennan, Glynis Dunn, Aarnoud P Huissoon, Dinakantha S Kumararatne, Javier Martin, Paula O'Leary, Ronald A Thompson, Husam Osman, Philip Wood, Philip Minor, David J Wood, Deenan Pillay

Study Type: Human: Case Report

Additional Links


Additional Keywords: Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions: Vaccination: Oral Polio Vaccine : CK(24) : AC(4)

The oral polio vaccine is unlikely to be able to eradicate polio from India.


Article Published Date: Apr 16, 2008

Authors: Yash Paul

Study Type: Human Study

Additional Links

Diseases: Polio : CK(32) : AC(16)

Pharmacological Actions: Antiviral Agents : CK(938) : AC(433)

Anti Therapeutic Actions: Vaccination: Polio : CK(98) : AC(17)

Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent recombination events and mutations.

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-
"Outbreak of paralytic poliomyelitis in Oman: evidence for widespread transmission among fully vaccinated children."

**Pubmed Data** : Lancet. 1991 Sep 21 ;338(8769):715-20. PMID: 1679866
**Article Published Date** : Sep 20, 1991
**Authors** : R W Sutter, P A Patriarca, S Brogan, P G Malankar, M A Pallansch, O M Kew, A G Bass, S L Cochi, J P Alexander, D B Hall
**Study Type** : Human: Case Report

Abortive and subclinical poliomyelitis in a family during the 1992 epidemic in The Netherlands.

**Article Published Date** : Jan 31, 1995
**Authors** : F P Kroon, H T Weiland, A M van Loon, R van Furth
**Study Type** : Human: Case Report

Isolation of recombinant type 2 vaccine-derived poliovirus
(VPDV) from a Nigerian child.

**Pubmed Data**: Virus Res. 2007 Jul;127(1):17-25. Epub 2007 Apr 20. PMID: [17449127](https://doi.org/10.1016/j.virres.2007.03.012)

**Article Published Date**: Jun 30, 2007

**Authors**: Festus Adu, Jane Iber, David Bukbuk, Nicksy Gumede, Su-Ju Yang, Jaume Jorba, Ray Campagnoli, Waidi Folorunso Sule, Chen-Fu Yang, Cara Burns, Mark Pallansch, Tekena Harry, Olen Kew

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Polio: Vaccine-Related: CK(14): AC(4)

**Additional Keywords**: Vaccine Shedding: CK(31): AC(4)

**Anti Therapeutic Actions**: Vaccination: Polio: CK(98): AC(17)

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**Neonatal paralytic poliomyelitis. A case report.**

**Pubmed Data**: Arch Neurol. 1986 Feb;43(2):192-4. PMID: [3947264](https://doi.org/10.1001/archneur.1986.00520020054005)

**Article Published Date**: Jan 31, 1986

**Authors**: G H Bergeisen, R J Bauman, R L Gilmore

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Polio: Vaccine-Related: CK(14): AC(4)

**Additional Keywords**: Vaccine Shedding: CK(31): AC(4)

**Anti Therapeutic Actions**: Vaccination: Polio: CK(98): AC(17)

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**Surveillance of suspected poliomyelitis in Albania, 1980-1995: suggestion of increased risk of vaccine associated poliomyelitis.**

**Pubmed Data**: Vaccine. 1998 May-Jun;16(9-10):940-8. PMID: [9682341](https://doi.org/10.1016/S0264-410X(98)00241-9)

**Article Published Date**: Apr 30, 1998

**Authors**: E Diamanti, B Ibrahimi, F Tafaj, E Mezini, A Dodbiba, V Dobi, S Catone, D Genovese, P Simeoni, L Fiore

**Study Type**: Human Study

**Additional Links**


**Additional Keywords**: Vaccine Shedding: CK(31): AC(4)

**Anti Therapeutic Actions**: Vaccination: Polio: CK(98): AC(17)

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**Three cases of paralytic poliomyelitis associated with type 3 vaccine poliovirus strains in Bulgaria.**


**Article Published Date**: Aug 31, 2009
Transmission of imported vaccine-derived poliovirus in an undervaccinated community in Minnesota.

Pubmed Data: J Infect Dis. 2009 Feb 1;199(3):391-7. PMID: 19090774
Article Published Date: Jan 31, 2009
Authors: James P Alexander, Kristen Ehresmann, Jane Seward, Gary Wax, Kathleen Harriman, Susan Fuller, Elizabeth A Cebelinski, Qi Chen, Jaume Jorba, Olen M Kew, Mark A Pallansch, M Steven Oberste, Mark Schleiss, Jeffrey P Davis, Bryna Warshawsky, Susan Squires, Harry F Hull

Vaccine-associated contact paralytic poliomyelitis with atypical neurological presentation.

Pubmed Data: Acta Neurol Scand. 1987 Sep;76(3):210-4. PMID: 3687370
Article Published Date: Aug 31, 1987
Authors: A Arlazoroff, Z Bleicher, C Klein, E Vure, E Lahat, B Gross, R Handsher

Vaccine-associated paralytic poliomyelitis caused by contact infection.

Article Published Date: Dec 31, 2005
Authors: Bungo Okuda, Eri Uetani, Kensho Okamoto
Vaccine-associated paralytic poliomyelitis: a case report of domiciliary transmission.

Article Published Date: Apr 30, 2000
Authors: J A Paz, M G Vallada, S N Marques, E B Casella, H H Marques, M J Marques-Dias
Study Type: Human: Case Report
Additional Links
Diseases: Polio: Vaccine-Related : CK(14) : AC(4), Poliomyelitis : CK(36) : AC(7)
Additional Keywords: Vaccine Shedding : CK(31) : AC(4)
Anti Therapeutic Actions: Vaccination: Oral Polio Vaccine : CK(24) : AC(4)

Vaccine-derived poliovirus infection is estimated to have infected many thousands of people.

Article Published Date: Dec 31, 2007
Authors: Alison Wringe, Paul E M Fine, Roland W Sutter, Olen M Kew
Study Type: Human Study
Additional Links
Diseases: Polio: Vaccine-Related : CK(14) : AC(4)
Additional Keywords: Vaccine Shedding : CK(31) : AC(4)
Anti Therapeutic Actions: Vaccination: Oral Polio Vaccine : CK(24) : AC(4)

Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent recombination events and mutations.

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-Andrianarivelo, Francis Delpeyroux
Study Type: Review
Additional Links
Anti Therapeutic Actions: Vaccination: Polio : CK(98) : AC(17)
"Outbreak of paralytic poliomyelitis in Oman: evidence for widespread transmission among fully vaccinated children."


Article Published Date: Sep 20, 1991

Authors: R W Sutter, P A Patriarca, S Brogan, P G Malankar, M A Pallansch, O M Kew, A G Bass, S L Cochi, J P Alexander, D B Hall

Study Type: Human: Case Report


Additional Keywords: Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions: Vaccination: Oral Polio Vaccine : CK(24) : AC(4)

Acute maternal anterior poliomyelitis in a non-endemic zone.

Pubmed Data: Acta Neurol Belg. 1989 Nov-Dec;89(5):358-65. PMID: 2561040

Article Published Date: Oct 31, 1989

Authors: F Derenne, J E Vanderheyden, H Bain, P Jocquet, J Jacquy, F Yane, E Druyts-Voets, M E Lamy, M Vanhaeverbeek

Study Type: Human: Case Report

Diseases: Poliomyelitis : CK(36) : AC(7)

Additional Keywords: Vaccine Shedding : CK(31) : AC(4)

Anti Therapeutic Actions: Vaccination: Polio : CK(98) : AC(17)

At the present time, the only poliovirus-caused poliomyelitis cases reported in Brazil and other countries of the Americas are of vaccine etiology.


Article Published Date: Apr 01, 2000

Authors: L H de Oliveira, C J Struchiner

Study Type: Human Study

Additional Links
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.


Outbreak of poliomyelitis in Hispaniola associated with circulating type 1 vaccine-derived poliovirus.


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.
Provocation by vaccine injections can increase the risk of paralytic poliomyelitis by up to 25 fold.

Article Published Date: Jan 01, 1986
 Authors: H V Wyatt
Study Type: Review
Additional Links
Diseases: Poliomyelitis: CK(36): AC(7)


Pubmed Data: Vaccine. 1998 May-Jun;16(9-10):940-8. PMID: 9682341
Article Published Date: Apr 30, 1998
 Authors: E Diamanti, B Ibrahimi, F Tafaj, E Mezini, A Dodibba, V Dobi, S Catone, D Genovese, P Simeoni, L Fiore
Study Type: Human Study
Additional Links
Additional Keywords: Vaccine Shedding: CK(31): AC(4)
Anti Therapeutic Actions: Vaccination: Polio: CK(98): AC(17)

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

Article Published Date: May 25, 1994
Three cases of paralytic poliomyelitis associated with type 3 vaccine poliovirus strains in Bulgaria.


**Article Published Date**: Aug 31, 2009

**Authors**: Neli Korsun, Mira Kojouharova, Nadezhda Vladimirova, Lucia Fiore, Ivan Litvinenko, Gabriele Buttinelli, Stefano Fiore, Violeta Voynova-Georgieva, Zornitsa Mladenova, Daniela Georgieva

**Study Type**: Human: Case Report


**Additional Keywords**: Vaccine Shedding: CK(31): AC(4)

**Anti Therapeutic Actions**: Vaccination: Polio: CK(98): AC(17)

Vaccine-associated contact paralytic poliomyelitis with atypical neurological presentation.

**Pubmed Data**: Acta Neurol Scand. 1987 Sep;76(3):210-4. PMID: [3687370](https://pubmed.ncbi.nlm.nih.gov/3687370/)

**Article Published Date**: Aug 31, 1987

**Authors**: A Arlazoroff, Z Bleicher, C Klein, E Vure, E Lahat, B Gross, R Handsher

**Study Type**: Human: Case Report


**Additional Keywords**: Vaccine Shedding: CK(31): AC(4)

**Anti Therapeutic Actions**: Vaccination: Polio: CK(98): AC(17)

Vaccine-associated paralytic poliomyelitis (VAPP) has emerged as the predominant form of the disease in the United States since 1980.


**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
Vaccine-associated paralytic poliomyelitis caused by contact infection.

**Pubmed Data**: Intern Med. 2006;45(6):373-5. Epub 2006 Apr 17. PMID: 16617188

**Article Published Date**: Dec 31, 2005

**Authors**: Bungo Okuda, Eri Uetani, Kensho Okamoto

**Study Type**: Human: Case Report

**Diseases**: Polio: Vaccine-Related: CK(14) : AC(4), Poliomyelitis: CK(36) : AC(7)

**Additional Keywords**: Vaccine Shedding: CK(31) : AC(4)

**Anti Therapeutic Actions**: Vaccination: Oral Polio Vaccine: CK(24) : AC(4)

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Vaccine-associated paralytic poliomyelitis: a case report of domiciliary transmission.


**Article Published Date**: Apr 30, 2000

**Authors**: J A Paz, M G Vallada, S N Marques, E B Casella, H H Marques, M J Marques-Dias

**Study Type**: Human: Case Report

**Diseases**: Polio: Vaccine-Related: CK(14) : AC(4), Poliomyelitis: CK(36) : AC(7)

**Additional Keywords**: Vaccine Shedding: CK(31) : AC(4)

**Anti Therapeutic Actions**: Vaccination: Polio: CK(98) : AC(17)

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**Polyarteritis Nodosa (AC 1) (CK 1)**

Hepatitis B vaccines have a potential to occasionally trigger the onset of immune diseases in individuals with an underlying genetic or immunological susceptibility.
### Polyradiculoneuropathy: Acute Inflammatory (AC 1) (CK 3)

**A case of lethal inflammatory polyradiculoneuropathy with spinal cord involvement after hepatitis B vaccination.**


**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(3) : AC(1), Polyradiculoneuropathy: Acute Inflammatory : CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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### Postural Orthostatic Tachycardia Syndrome (AC 1) (CK 3)
A case of a 14-year-old girl who developed postural orthostatic tachycardia syndrome with chronic fatigue 2 months following Gardasil vaccination.


Article Published Date: Dec 31, 2013

Authors: Lucija Tomljenovic, Serena Colafrancesco, Carlo Perricone, Yehuda Shoenfeld

Study Type: Human: Case Report

Additional Links

Diseases: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4), Postural Orthostatic Tachycardia Syndrome : CK(3) : AC(1)

Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

Problem Substances: Vaccine Adjuvants : CK(594) : AC(118)

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Postural tachycardia syndrome (POTS) (AC 1) (CK 10)

Potential cross-reactivity between HPV16 L1 protein and sudden death-associated antigens.


Article Published Date: Dec 31, 2013

Authors: S Blitshteyn

Study Type: Human Study

Additional Links

Diseases: Postural tachycardia syndrome (POTS) : CK(10) : AC(1), Vaccine-induced Toxicity : CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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Pre-Eclampsia (AC 1) (CK 10)
Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the risk of preeclampsia and adverse outcomes such as preterm birth.


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(5147): AC(438), Vaccination: Influenza: CK(521): AC(64)

Adverse Pharmacological Actions: Interleukin-6 up-regulation: CK(18): AC(5), Tumor necrosis factor α (TNFα) up-regulation: CK(55): AC(7)
Pregnancy: Flu (AC 1) (CK 10)

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.

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
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Pregnancy: Vaccination (AC 5) (CK 51)

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(34) : AC(6), Vaccination: All : CK(5147) : AC(438)
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.

Article Published Date: Feb 15, 1976
Authors: M Siegel
Study Type: Review
Additional Links
Additional Keywords: Vaccine-induced Toxicity: CK(1356): AC(210), Vaccine-induced Toxicity: CK(1356): AC(210), Vaccine-induced Toxicity: CK(1356): AC(210)

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

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(5147): AC(438), Vaccination: Influenza: CK(521): AC(64)
Adverse Pharmacological Actions: Interleukin-6 up-regulation: CK(18): AC(5), Tumor necrosis factorα (TNFα) up-regulation: CK(55): AC(7)

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


**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**

- **Diseases**: Infant Infections : CK(410) : AC(44), Pregnancy: Vaccination : CK(92) : AC(16), Upper Respiratory Infections : CK(1017) : AC(122)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

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**Premature Birth (AC 2) (CK 20)**

CRP level in infants is elevated in the 48 hours following immunization.


**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(1852) : AC(174), Premature Birth : CK(424) : AC(45), Vaccine-induced Toxicity : CK(1356) : AC(210)
- **Additional Keywords**: Multiple Vaccines : CK(10) : AC(1)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)
**Hepatitis B vaccination is associated with potentially neurotoxic mercury exposure in infants.**


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(228) : AC(178), Premature Birth: CK(424) : AC(45)

Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Hepatitis B: CK(468) : AC(64)

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**Preterm Birth: Prevention (AC 1) (CK 10)**

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


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(5147) : AC(438), Vaccination: Influenza: CK(521) : AC(64)

Adverse Pharmacological Actions: Interleukin-6 up-regulation: CK(18) : AC(5), Tumor necrosis factorα (TNFα) up-regulation: CK(55) : AC(7)
**Prostate Cancer (AC 1) (CK 2)**

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

- **Article Published Date**: May 01, 2010
- **Authors**: Takayuki Miyazawa
- **Study Type**: Animal Study
- **Additional Links**
  - **Diseases**: Chronic Fatigue Syndrome: CK(275) : AC(40), Prostate Cancer: CK(1586) : AC(463), Retroviruses: CK(7) : AC(6), Vaccine-induced Toxicity: CK(1356) : AC(210)
  - **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Pseudolymphoma (AC 1) (CK 3)**

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.

- **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(275) : AC(40), Macrophagic myofasciitis: CK(36) : AC(7), Pseudolymphoma: CK(3) : AC(1)
  - **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)
  - **Problem Substances**: Aluminum Hydroxide: CK(79) : AC(18), Vaccine Adjuvants: CK(594) : AC(118)
  - **Adverse Pharmacological Actions**: Immunotoxic: CK(338) : AC(66)
The psychic reactions following injections of bacterial vaccines.

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

**Authors**: J ILAVSKY

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Psychiatric Disorders: CK(123) : AC(31), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Bacterial Vaccines: CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

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This pilot epidemiologic analysis implies that the onset of some neuropsychiatric disorders may be related to prior vaccinations.

**Pubmed Data**: Front Psychiatry. 2017;8:3. Epub 2017 Jan 19. PMID: 28154539

**Article Published Date**: Dec 31, 2016

**Authors**: Douglas L Leslie, Robert A Kobre, Brian J Richmand, Selin Aktan Guloksuz, James F Leckman

**Study Type**: Human Study

**Additional Links**

**Diseases**: Attention Deficit Hyperactivity Disorder: CK(165) : AC(19), Attention Deficit Hyperactivity Disorder: CK(165) : AC(19), Psychiatric Disorders: CK(123) : AC(31)


**Anti Therapeutic Actions**: Vaccination: Hepatitis B: CK(468) : AC(64), Vaccination: Influenza: CK(521) : AC(64)

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Purpura: Thrombocytopenic (AC 6) (CK 44)
Acute immune thrombocytopenic purpura as adverse reaction to oral polio vaccine (OPV).

Pubmed Data: Hum Vaccin Immunother. 2013 Jun 4 ;9(8). Epub 2013 Jun 4. PMID: 23807364
Article Published Date: Jun 03, 2013
Authors: Cheng-Qiang Jin, Hai-Xin Dong, Zhuo-Xiang Sun, Jian-Wei Zhou, Cui-Yun Dou, Shu-Hua Lu, Rui-Rui Yang
Study Type: Human: Case Report
Additional Links
Diseases: Purpura: Thrombocytopenic : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Oral Polio Vaccine, Bivalent : CK(13) : AC(2)

MMR vaccination is associated with an increased risk for idiopathic thrombocycopaenic purpura.

Article Published Date: Jan 01, 2003
Authors: Corri Black, James A Kaye, Hershel Jick
Study Type: Human Study
Additional Links
Diseases: Purpura: Thrombocytopenic : CK(234) : AC(26), Thrombocytopenia : CK(234) : AC(26)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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

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(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)
The Institute of Medicine determined that routine childhood vaccines are linked to a number of serious adverse reactions.


**Article Published Date**: May 25, 1994

**Authors**: K R Stratton, C J Howe, R B Johnston

**Study Type**: Review

**Additional Links**


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**Thrombocytopenic purpura following vaccination in early childhood has been reported.**


**Article Published Date**: Dec 01, 2010

**Authors**: Yuh-Lin Hsieh, Lung-Huang Lin

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Purpura: Thrombocytopenic: CK(234) : AC(26), Vaccine-induced Toxicity: CK(1356) : AC(210)


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**Vaccination is associated with thrombocytopenic purpura in children.**


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

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

**Study Type**: Human Study

**Additional Links**

- **Diseases**: Purpura: Thrombocytopenic: CK(234) : AC(26), Thrombocytopenia: CK(234) : AC(26), Vaccine-induced Toxicity: CK(1356) : AC(210)

- **Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)
Rabies encephalitis in a child: a failure of rabies post exposure prophylaxis?

Article Published Date: Dec 31, 2014
Authors: Faten Tinsa, Aida Borgi, Imen Jahouat, Khadija Boussetta
Study Type: Human: Case Report
Additional Links
Diseases: Rabies : CK(17) : AC(5)
Additional Keywords: Vaccine Failure : CK(255) : AC(32)
Anti Therapeutic Actions: Vaccination: Rabies : CK(10) : AC(5)

Rabies vaccine may be ineffective during symptomatic rabies and may contribute to "early death."

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(17) : AC(5)
Additional Keywords: Vaccine Failure : CK(255) : AC(32)
Anti Therapeutic Actions: Vaccination: Rabies : CK(10) : AC(5)

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.

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(5147) : AC(438), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)
Respiratory Diseases (AC 1) (CK 10)

Pneumococcal conjugate vaccination is associated with higher levels of serious adverse respiratory events and nonrespiratory events in infants 6 weeks to 6 months of age.

Article Published Date: Jun 01, 2009
Authors: Marilla G Lucero, Hanna Nohynek, Gail Williams, Veronica Tallo, Eric A F Simões, Socorro Lupisan, Diozele Sanvictores, Simon Forsyth, Taneli Puumalainen, Juanita Ugpo, Marites Lechago, Margaret de Campo, Erma Abucejo-Ladesma, Lydia Sombrero, Antti Nissinen, Anu Soininen, Petri Ruutu, Ian Riley, Helen P Mäkelä
Study Type: Human Study
Additional Links
Diseases: Infant Infections: CK(410) : AC(44), Respiratory Diseases: CK(263) : AC(42), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Pneumococcal: CK(75) : AC(10)

Respiratory Syncytial Virus Infections (AC 1) (CK 1)

Formaldehyde-inactivated respiratory syncytial virus vaccine in the 1960s caused enhanced respiratory disease in both humans and animals.

Article Published Date: Nov 20, 2016
Authors: Abenaya Muralidharan, Changgui Li, Lisheng Wang, Xuguang Li
Study Type: Review
Additional Links
Additional Keywords: Increased Risk: CK(1600): AC(192)
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)
Problem Substances: Formaldehyde: CK(23): AC(13)

Retroviruses (AC 3) (CK 4)

Live attenuated virus Vaccines produced on chicken-derived cells contain low levels of particle-associated reverse transcriptase (RT).

Article Published Date: Mar 31, 1997
Authors: R N Weissmahr, J Schüpbach, J Böni
Study Type: Review

Additional Links
Anti Therapeutic Actions: Vaccination: Measles: CK(252): AC(31)
Problem Substances: Endogenous avian retrovirus (EAV-0): CK(3): AC(1)

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

Article Published Date: May 01, 2010
Authors: Takayuki Miyazawa
Study Type: Animal Study

Additional Links
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)

Vaccines produced in chick embryo cells had significant
reverse transcriptase activity.

Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.

Adult rubella and adult hepatitis B vaccines were statistically associated with chronic arthritis which
Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

Hepatitis B vaccination may contribute to causing a wide variety of autoimmune disorders.
Rift Valley Fever (AC 1) (CK 2)

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


Article Published Date : Jan 01, 2009

Authors : Samia Ahmed Kamal

Study Type : Animal Study

Additional Links


"Lack of correlation between serum rotavirus antibody titers and protection following vaccination with reassortant RRV vaccines."


**Article Published Date**: Aug 31, 1995

**Authors**: R L Ward, D I Bernstein

**Study Type**: Human Study

**Additional Links**

**Diseases**: Rotavirus Infections : CK(105) : AC(26)

**Additional Keywords**: Antibody Theory Of Vaccinology : CK(95) : AC(11)

**Anti Therapeutic Actions**: Vaccination: Rotavirus : CK(56) : AC(11)

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**Sibling transmission of vaccine-derived rotavirus (RotaTeq) associated with rotavirus gastroenteritis.**


**Article Published Date**: Jan 31, 2010

**Authors**: Daniel C Payne, Kathryn M Edwards, Michael D Bowen, Erin Keckley, Jody Peters, Mathew D Esona, Elizabeth N Teel, Diane Kent, Umesh D Parashar, Jon R Gentsch

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Rotavirus Infections : CK(105) : AC(26)

**Additional Keywords**: Vaccine Shedding : CK(31) : AC(4)

**Anti Therapeutic Actions**: Vaccination: Rotavirus : CK(56) : AC(11)

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**Rubella (AC 8) (CK 73)**

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


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

**Authors**: Vittorio Demicheli, Alessandro Rivetti, Maria Grazia Debalini, Carlo Di Pietrantonj
Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.

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

Chronic rubella viremia has been detected in peripheral blood mononuclear cell (MNC) populations in five of the six women up to six years after vaccination.

Pubmed Data: J Infect Dis. 1985 Sep ;152(3):606-12. PMID: 4031558
Article Published Date: Aug 31, 1985
Authors: A J Tingle, J K Chantler, K H Pot, D W Paty, D K Ford

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

Article Published Date: Sep 25, 1981
Difficulties in eliminating measles and controlling rubella and mumps in a 99% measles vaccine compliant population.


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.


In one study on rubella vaccination in 19 pregnant women, 9 aborted, 8 induced and 1 spontaneously.
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.
Seizures (AC 2) (CK 13)

DPT vaccines have been associated with recurrent seizures.

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(123) : AC(23), Seizures: CK(208) : AC(60), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus: CK(315) : AC(36)

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

Article Published Date: Jan 01, 2011
Authors: [No authors listed]
Study Type: Human: Case Report
Additional Links
Diseases: Influenza: CK(789) : AC(123), Seizures: CK(208) : AC(60)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Influenza: CK(521) : AC(64)

Sepsis (AC 1) (CK 10)

This study found an increase in adverse events after the
routine immunization of extremely low-birth-weight infants in the NICU.

Article Published Date: May 31, 2015
Authors: Stephen D DeMeo, Sudha R Raman, Christoph P Hornik, Catherine C Wilson, Reese Clark, P Brian Smith
Study Type: Human Study
Additional Links
Additional Keywords: Adverse Reaction: CK(13):AC(2), Increased Risk: CK(1600):AC(192)
Anti Therapeutic Actions: Vaccination: All: CK(5147):AC(438)

Shingles (AC 1) (CK 10)

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

Article Published Date: Jul 19, 2010
Authors: Mark R Nelson, Helena C Britt, Christopher M Harrison
Study Type: Human Study
Additional Links
Additional Keywords: Chicken Pox (Varicella) Shingles (Herpes Zoster) Connection: CK(20):AC(2)
Anti Therapeutic Actions: Vaccination: All: CK(5147):AC(438), Vaccination: Varicella (Chicken pox): CK(177):AC(22)
Shoulder Injuries (AC 1) (CK 3)

Case report: a shoulder injury related to vaccine administration.


**Article Published Date**: Oct 31, 2012

**Authors**: Matthew G Barnes, Christopher Ledford, Karen Hogan

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Shoulder Injuries : CK(23) : AC(3), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)

Silicone Implant Toxicity (AC 1) (CK 10)

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


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

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

**Study Type**: Human Study

**Additional Links**


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

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)
Simian virus 40 (SV40) (AC 5) (CK 9)

Polio, hepatitis B and AIDS: an integrative theory on a possible vaccine induced pandemic.

Pubmed Data: Med Hypotheses. 2001 May;56(5):677-86. PMID: 11388787
Article Published Date: Apr 30, 2001
Authors: L G Horowitz
Study Type: Commentary
Additional Links

Simian virus 40 and human cancer.

Article Published Date: Mar 31, 1998
Authors: L Mutti, M Carbone, G G Giordano, A Giordano
Study Type: Review
Additional Links
Diseases: Cancers: All: CK(14773): AC(4596), Simian virus 40 (SV40): CK(102): AC(20)
Pharmacological Actions: Cell cycle arrest: CK(810): AC(612)
Anti Therapeutic Actions: Vaccination: Polio: CK(98): AC(17)
Problem Substances: Simian virus 40 (SV40): CK(114): AC(24)

Some oral poliovirus vaccines were contaminated with infectious SV40 after 1961.

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
Additional Links
Diseases: Simian virus 40 (SV40): CK(102): AC(20)
Additional Keywords: Vaccine Contamination: CK(5): AC(1)
Anti Therapeutic Actions: Vaccination: Polio: CK(98): AC(17)
Problem Substances: Simian virus 40 (SV40): CK(114): AC(24)
The biological activities of simian virus 40 large-T antigen and its possible oncogenic effects in humans.

Article Published Date: Mar 31, 1998
Authors: C M Matker, P Rizzo, H I Pass, I Di Resta, A Powers, L Mutti, W M Kast, M Carbone
Study Type: Review
Additional Links
Diseases: Cancers: All : CK(14773) : AC(4596), Simian virus 40 (SV40) : CK(102) : AC(20)
Anti Therapeutic Actions: Vaccination: Polio : CK(98) : AC(17)
Problem Substances: Simian virus 40 (SV40) : CK(114) : AC(24)

Unique strains of SV40 in commercial poliovaccines from 1955 not readily identifiable with current testing for SV40 infection.

Pubmed Data: Cancer Res. 1999 Dec 15 ;59(24):6103-8. PMID: 10626798
Article Published Date: Dec 14, 1999
Authors: P Rizzo, I Di Resta, A Powers, H Ratner, M Carbone
Study Type: In Vitro Study
Additional Links
Diseases: Simian virus 40 (SV40) : CK(102) : AC(20)
Anti Therapeutic Actions: Vaccination: Polio : CK(98) : AC(17)
Problem Substances: Simian virus 40 (SV40) : CK(114) : AC(24)

Skin Cancer (AC 3) (CK 9)

A patient with basal-cell epithelioma occurring in a smallpox vaccination site is reported.

Article Published Date: Apr 30, 1976
Authors: F F Castrow, T E Williams
Study Type: Human: Case Report
Additional Links
Diseases: Skin Cancer : CK(736) : AC(293), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Smallpox : CK(74) : AC(9)
Basocellular carcinoma in a smallpox vaccination scar.

**Pubmed Data** : Med Cutan Ibero Lat Am. 1988 ;16(2):137-9. PMID: 3050329

**Article Published Date** : Dec 31, 1987

**Authors** : R Ribeiro, J M Labareda, L Garcia e Silva

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Skin Cancer : CK(736) : AC(293)

**Anti Therapeutic Actions** : Vaccination: Smallpox : CK(74) : AC(9)

Squamous cell carcinoma in ulcer after bacille Calmette-Guérin vaccination.

**Pubmed Data** : Ugeskr Laeger. 2014 Oct 13 ;176(42). PMID: 25316362

**Article Published Date** : Oct 12, 2014

**Authors** : Rikke Maria Nielsen, Flemming Andersen, Maria Luise Salskov-Iversen

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Skin Cancer : CK(736) : AC(293), Squamous cell carcinoma : CK(203) : AC(75), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: BCG (Tuberculosis) : CK(34) : AC(5)

Sleep Disorders (AC 1) (CK 10)

Typhoid vaccination produced significant impairments in several measures of sleep continuity.


**Article Published Date** : Aug 08, 2016

**Authors** : Ann L Sharpley, Charlotte M Cooper, Clare Williams, Beata R Godlewska, Philip J Cowen

**Study Type** : Human Study

**Additional Links**

**Diseases** : Circadian Dysregulation : CK(165) : AC(34), Sleep Disorders : CK(361) : AC(44)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)

**Adverse Pharmacological Actions** : Inflammatory : CK(298) : AC(83)
Adverse events following smallpox vaccination with ACAM2000 in a military population have been reported.

**Article Published Date**: Jun 01, 2010
**Authors**: Thomas M Beachkofsky, Scott C Carrizales, Jeffrey J Bidinger, David E Hrncir, Darren E Whittemore, Chad M Hivnor
**Study Type**: Human Study

**Additional Links**

- **Diseases**: Smallpox : CK(26) : AC(5), Vaccine-induced Toxicity : CK(1356) : AC(210), Vaccinia virus : CK(27) : AC(6)
- **Anti Therapeutic Actions**: Vaccination: Smallpox : CK(74) : AC(9)

Review: possible adverse effects that are associated with smallpox vaccination.

**Article Published Date**: Feb 21, 2003
**Authors**: Joanne Cono, Christine G Casey, David M Bell,
**Study Type**: Review

**Additional Links**

- **Diseases**: Smallpox : CK(26) : AC(5), Vaccine-induced Toxicity : CK(1356) : AC(210)
- **Pharmacological Actions**: Antiviral Agents : CK(938) : AC(433)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Smallpox : CK(74) : AC(9)

Smallpox vaccine caused iatrogenic vaccinia in children in Russia.

**Article Published Date**: Mar 01, 2001
**Study Type**: Human Study

**Additional Links**

- **Diseases**: Smallpox : CK(26) : AC(5), Vaccine-induced Toxicity : CK(1356) : AC(210), Vaccinia virus : CK(27) : AC(6)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Smallpox : CK(74) : AC(9)
Vaccinia virus infections can be transmissible and can cause severe complications in those with weakened immune systems.

Article Published Date: Mar 31, 2011
Authors: Christine M Hughes, David Blythe, Yu Li, Ramani Reddy, Carol Jordan, Cindy Edwards, Celia Adams, Holly Conners, Catherine Rasa, Sue Wilby, Jamaal Russell, Kelly S Russo, Patricia Somsel, Danny L Wiedbrauk, Cindy Dougherty, Christopher Allen, Mike Frace, Ginny Emerson, Victoria A Olson, Scott K Smith, Zachary Braden, Jason Abel, Whitni Davidson, Mary Reynolds, Inger K Damon
Study Type: Human: Case Report
Additional Links
Additional Keywords: Adverse Events: CK(37): AC(7), Vaccine Stain: CK(3): AC(1)
Anti Therapeutic Actions: Vaccination: Smallpox: CK(74): AC(9)

Spongiform Encephalopathies: Transmissible (AC 1) (CK 1)

Transmissible spongiform encephalopathies may be passed iatrogenically through vaccines.

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(5147): AC(438)
Squamous cell carcinoma (AC 1) (CK 3)

Squamous cell carcinoma in ulcer after bacille Calmette-Guérin vaccination.

Article Published Date: Oct 12, 2014
Authors: Rikke Maria Nielsen, Flemming Andersen, Maria Luise Salskov-Iversen
Study Type: Human: Case Report
Additional Links
Diseases: Skin Cancer : CK(736) : AC(293), Squamous cell carcinoma : CK(203) : AC(75), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: BCG (Tuberculosis) : CK(34) : AC(5)

Staphylococcus aureus infection (AC 1) (CK 10)

Intranasal live attenuated influenza vaccine induces changes in the nasal microbiota and nasal epithelium gene expression profiles.

Article Published Date: Dec 14, 2015
Authors: Y Tarabichi, K Li, S Hu, C Nguyen, X Wang, D Elashoff, K Saira, Bryan Frank, Monika Bihan, E Ghedin, Barbara A Methé, Jane C Deng
Study Type: Human Study
Additional Links
Diseases: Staphylococcus aureus infection : CK(188) : AC(125)
Additional Keywords: Staphylococcus aureus infection : CK(188) : AC(125), Risk Factors : CK(3057) : AC(392), Risk Factors : CK(3057) : AC(392)
Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)
Statin-Induced Pathologies (AC 1) (CK 3)

Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.

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(1638) : AC(327)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)
Problem Substances: Statin Drugs : CK(4369) : AC(517)
Adverse Pharmacological Actions: Myotoxicity : CK(327) : AC(80)

Streptococcus infections: Group A (AC 1) (CK 10)

Preservatives in multidose vaccine vials do not prevent short-term bacterial contamination.

Article Published Date: Jan 31, 1985
Authors: H C Stetler, P L Garbe, D M Dwyer, R R Facklam, W A Orenstein, G R West, K J Dudley, A B Bloch
Study Type: Human Study
Additional Links
Diseases: Streptococcus infections: Group A : CK(12) : AC(9)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)
Streptococcus pneumoniae infection (AC 1) (CK 1)

Vaccination Drives Changes in Metabolic and Virulence Profiles of Streptococcus pneumoniae.

Article Published Date: Jun 30, 2015
Authors: Eleanor R Watkins, Bridget S Penman, José Lourenço, Caroline O Buckee, Martin C J Maiden, Sunetra Gupta
Study Type: In Vitro Study
Additional Links
Diseases: Streptococcus pneumoniae infection : CK(38) : AC(18)
Additional Keywords: Vaccine-Induced Metabolic Shift (VIMS) : CK(1) : AC(1)
Anti Therapeutic Actions: Vaccination: Pneumococcal : CK(75) : AC(10)

Stroke: Prevention (AC 1) (CK 10)

Influenza vaccination does not prevent ischemic stroke and it does not reduce the rate of acute previous infections in stroke patients.

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(163) : AC(21)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)
Sudden Deafness (AC 1) (CK 3)

A case report of bilateral deafness as a complication of vaccination.

Article Published Date: May 31, 2018
Authors: Masahiro Rikitake, Sayaka Sampei, Manabu Komori, Yuika Sakurai, Hiromi Kojima
Study Type: Human: Case Report
Additional Links
Diseases: Sudden Deafness: CK(10) : AC(1)
Anti Therapeutic Actions: Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Sudden Infant Death Syndrome (SIDS) (AC 11) (CK 86)

A case of sudden infant death associated with hexavalent immunization has been reported.

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(5147) : AC(438) , Vaccination: Hexavalent : CK(6) : AC(2)

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

Article Published Date: Jul 01, 2010
Authors: Joseph Prandota
Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.


**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(67) : AC(18), Infant Mortality : CK(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1356) : AC(210)
- **Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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


**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(1356) : AC(210)
- **Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

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


**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(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) :
Serious adverse events associated with whole cell pertussis vaccine, e.g. sudden infant death syndrome and encephalopathy, may have occurred in metabolically vulnerable children.

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

Simultaneous sudden infant death syndrome has been reported in twins two days after receiving multiple vaccinations.

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 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.

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


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

**Authors**: Giulia Ottaviani, Anna Maria Lavezzi, Luigi Matturri

**Study Type**: Human: Case Report

Sudden infant death syndrome and DTP vaccine timing may be linked.

**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

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


**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(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

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

Swine Flu Associated Virus (AC 5) (CK 34)

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


**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(387) : AC(101), Swine Flu Associated Virus : CK(187) : AC(43)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

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


**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(20) : AC(2), Autoimmune Diseases : CK(6629) : AC(1128), Guillain-Barre Syndrome : CK(110) : AC(18), Influenza : CK(789) : AC(123), Swine Flu Associated Virus : CK(187) : AC(43), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords** : Influenza Vaccine : CK(10) : AC(1), Swine Flu Vaccine : CK(10) : AC(1)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)

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**Vaccination against novel H1N1 may accelerate atherogenesis (heart disease).**


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

**Authors** : Sucharit Bhakdi, Karl Lackner, Hans-Wilhelm Doerr
Widening influenza vaccine coverage is not correlated with declining mortality rates in any age group. The benefits of vaccination are substantially overestimated.

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

Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)

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


Article Published Date: Aug 01, 2010

Authors: Wafa Akkad, Bassel Salem, Jerome W Freeman, Mark K Huntington

Study Type: Human: Case Report


Syncope (AC 1) (CK 10)

Postlicensure safety surveillance has revealed a disproportionate reporting of syncope and venous
Thromboembolic events following quadrivalent HPV vaccination.

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 Izurieta, Robert Ball, Nancy Miller, M Miles Braun, Lauri E Markowitz, John Iskander
Study Type: Human Study

Systemic Lupus Erythematosus (AC 8) (CK 42)

A temporal association between immunization with HPV vaccine and the appearance of a spectrum of systemic lupus erythematosus like conditions is reported.

Article Published Date: Aug 31, 2013
Authors: Mariele Gatto, Nancy Agmon-Levin, Alessandra Soriano, Raffaele Manna, Ramit Maoz-Segal, Shaye Kivity, Andrea Doria, Yehuda Shoenfeld
Study Type: Human: Case Report

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

Article Published Date: Feb 01, 2006
Authors: M R Geier, D A Geier
### Immunization with hepatitis B vaccine accelerates SLE-like disease in a murine model.


**Article Published Date**: Oct 31, 2014

**Authors**: Nancy Agmon-Levin, María-Teresa Arango, Shaye Kivity, Aviva Katzav, Boris Gilburd, Miri Blank, Nir Tomer, Alex Volkov, Iris Barshack, Joab Chapman, Yehuda Shoenfeld

**Study Type**: Animal Study

**Additional Links**
- **Diseases**: Anxiety Disorders : CK(1225) : AC(180), Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1356) : AC(210)
- **Anti Therapeutic Actions**: Vaccination: Hepatitis B : CK(468) : AC(64)

**Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18)

### Systemic lupus erythematosus has been triggered by hepatitis B vaccine.


**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(466) : AC(67)
- **Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

### Systemic lupus erythematosus related to hepatitis B vaccine has been reported.


**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
This describes four cases of auto-immune reactions after tetanus vaccination.


**Article Published Date**: Jul 18, 2016

**Authors**: N Ruhrman-Shahar, J Torres-Ruiz, P Rotman-Pikielny, Y Levy

**Study Type**: Human: Case Report

**Diseases**: Antiphospholipid Syndrome, Autoimmune Diseases, Dermatomyositis, Diabetes Mellitus, Systemic Lupus Erythematosus

**Additional Keywords**: Risk Factors

**Anti Therapeutic Actions**: Vaccination

Vaccination can precipitate lupus erythematosus.


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

**Authors**: S A Older, D F Battafarano, R J Enzenauer, A M Krieg

**Study Type**: Human Study

**Diseases**: Systemic Lupus Erythematosus, Vaccine-induced Toxicity

**Anti Therapeutic Actions**: Vaccination

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


**Article Published Date**: Feb 01, 2010

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

**Study Type**: Commentary

**Diseases**: Autoimmune Diseases, Guillain-Barre Syndrome, Human Papillomavirus (HPV), Inflammatory Myopathy, Macrophagic myofasciitis, Multiple Sclerosis, Rheumatoid Arthritis, Systemic Lupus Erythematosus, Vaccine-induced Toxicity

**Anti Therapeutic Actions**: Vaccination
Tetanus (AC 3) (CK 23)

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


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

Additional Links

Diseases: Tetanus : CK(47) : AC(8), Vaccine-induced Toxicity : CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Neonatal tetanus despite protective serum antitoxin concentration.


Article Published Date: May 31, 1991

Authors: S Y Maselle, R Matre, R Mbise, T Hofstad

Study Type: Human Study

Additional Links

Diseases: Tetanus : CK(47) : AC(8)

Additional Keywords: Antibody Theory Of Vaccinology : CK(95) : AC(11), Vaccine Failure : CK(255) : AC(32)

Anti Therapeutic Actions: Vaccination: Tetanus : CK(77) : AC(13)

Severe tetanus has been reported in immunized patients with high anti-tetanus titers.

A 13-year-old girl developed immune thrombocytopenic purpura following vaccination with a quadrivalent human papillomavirus (HPV) vaccine.


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

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

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(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.

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(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

MMR vaccination is associated with an increased risk for idiopathic thrombocytopenic purpura.

Article Published Date: Jan 01, 2003
Authors: Corri Black, James A Kaye, Hershel Jick
Study Type: Human Study
Additional Links
Diseases: Purpura: Thrombocytopenic : CK(234) : AC(26), Thrombocytopenia : CK(234) : AC(26)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)
MMR vaccination is associated with an increased risk of developing acute immune thrombocytopenia in childhood.


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(234) : AC(26)

Anti Therapeutic Actions: Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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


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(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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

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(234) : AC(26), Vaccine-induced Toxicity : CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)
Vaccination is associated with thrombocytopenic purpura in children.


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

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

**Study Type**: Human Study

**Additional Links**

**Diseases**: Purpura: Thrombocytopenic : CK(234) : AC(26), Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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**Thromboembolism (AC 1) (CK 10)**

Postlicensure safety surveillance has revealed a disproportionate reporting of syncope and venous thromboembolic events following quadrivalent HPV vaccination.

**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 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(16)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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**Tuberculosis (AC 1) (CK 10)**
BCG revaccination may raise mortality in young children.


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

Diseases: Childhood Infections: CK(275) : AC(29), Tuberculosis: CK(332) : AC(55)

Anti Therapeutic Actions: Vaccination: BCG (Tuberculosis): CK(34) : AC(5)

Tumors (AC 1) (CK 1)

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


Article Published Date: Oct 05, 2006

Authors: Jolle Kirpensteijn

Study Type: Review

Additional Links

Diseases: Sarcoma: CK(68) : AC(38), Tumors: CK(205) : AC(120), Vaccine-induced Toxicity: CK(1356) : AC(210)


Ulcerative Colitis (AC 1) (CK 10)

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.


**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(1493) : AC(159), Inflammatory Bowel Diseases: CK(1052) : AC(197), Ulcerative Colitis: CK(347) : AC(69), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR): CK(276) : AC(37)

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**Upper Respiratory Infections (AC 4) (CK 50)**

**Immunization of mothers with pneumococcal capsular polysaccharide vaccine during pregnancy is ineffective for infants.**


**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(410) : AC(44), Pneumococcal Infections: CK(57) : AC(13), Upper Respiratory Infections: CK(1017) : AC(122)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Pneumococcal: CK(75) : AC(10)

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**Increased risk (4.4 fold) of noninfluenza respiratory virus infections associated with receipt of inactivated influenza vaccine.**


**Article Published Date**: May 31, 2012
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.


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

Pubmed Data: Cancer Sci. 2004 Jul;95(7):596-601. PMID: 17146026
Urinary Tract Infections (AC 1) (CK 1)

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


Article Published Date: Jul 01, 2010

Authors: Joseph Prandota

Study Type: Commentary

Additional Links


Uveitis (AC 5) (CK 27)

A 35 year-old healthy woman presented with unilateral anterior uveitis 10 days after the yellow fever vaccination.


Article Published Date: Aug 27, 2018

Authors: Ana Luiza Biancardi, Haroldo Vieira de Moraes

Study Type: Human: Case Report

Additional Links

Diseases: Uveitis: CK(91): AC(17)

Anti Therapeutic Actions: Vaccination: Yellow Fever: CK(23): AC(5)

Adverse ocular effects of vaccination have been reported.

Pubmed Data: Ophthalmologe. 2016 Jul;113(7):615-22. PMID: 27357302

Article Published Date: Jun 30, 2016

Authors: T Ness, H Hengel
Clinicians should be aware of a possible bilateral uveitis and papillitis following HPV vaccination.

**Article Published Date** : Feb 28, 2014
**Authors** : Henry D Holt, David M Hinkle, Naomi S Falk, Frederick T Fraunfelder, Frederick W Fraunfelder
**Study Type** : Human Study
**Additional Links**
**Diseases** : Uveitis : CK(91) : AC(17), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions** : Vaccination: HPV (Gardasil) : CK(347) : AC(58)

Hepatitis B vaccine may have a possible association with the development of uveitis in some patients.

**Pubmed Data** : Cutan Ocul Toxicol. 2010 Mar;29(1):26-9. PMID: [19947819](pmid:19947819)
**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(91) : AC(17), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

Vaccine-induced uveitis is rare and difficult to distinguish from coincidental autoimmune disease.

**Pubmed Data** : Ophthalmic Surg Lasers Imaging Retina. 2015 Oct;46(9):967-70. PMID: [26469238](pmid:26469238)
**Article Published Date** : Sep 30, 2015
**Authors** : Kunal K Dansingani, Mihoko Suzuki, Jonathan Naysan, C Michael Samson, Richard F Spaide, Yale L Fisher
**Study Type** : Human: Case Report
**Additional Links**
**Diseases** : Uveitis : CK(91) : AC(17), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions** : Vaccination: HPV (Gardasil) : CK(347) : AC(58)
A vaccine developed for bison resulted in inducing placentitis and abortion in pregnant cows.


**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**


**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Animal Model: CK(41) : AC(17)

An animal vaccine was identified as a possible cause of a series of lamb abortions.


**Article Published Date**: Aug 09, 2010

**Authors**: Nicholas Wheelhouse, Kevin Aitchison, Karine Laroucau, Jill Thomson, David Longbottom

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Vaccination: Abortion: CK(40) : AC(13)

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**

**Diseases**: Birth Defects: CK(204) : AC(39), Pregnancy: Vaccination: CK(92) : AC(16), Rubella: CK(64) : AC(8), Vaccination: Abortion: CK(40) : AC(13), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Adult Rubella: CK(34) : AC(6), Vaccination: All: CK(5147) : AC(438)
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.

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

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

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

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

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.

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.

Article Published Date: Jan 01, 2009
Authors: Samia Ahmed Kamal
Study Type: Animal Study
Additional Links

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

Article Published Date: May 02, 2008
Authors: Soju Chang, Robert Ball, M Miles Braun
Study Type: Review
Additional Links
The vaccination of pregnant sheep resulted in abortions and hydranencephaly.

**Pubmed Data**: Int Immunopharmacol. 2005 Mar;5(3):555-69. PMID: [8825310](https://doi.org/10.1016/j.intimp.2004.11.002)

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

**Authors**: M Flanagan, S J Johnson

**Study Type**: Animal Study

**Additional Links**


**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Animal Model : CK(41) : AC(17)

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.


**Article Published Date**: Jul 01, 2011

**Authors**: Angela R Lemons, Rajesh K Naz

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Vaccination: Abortion : CK(40) : AC(13)

**Additional Keywords**: Contraceptive Vaccines : CK(17) : AC(5)

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


**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

**Additional Links**

**Diseases**: Infertility : CK(728) : AC(152), Vaccination: Abortion : CK(40) : AC(13), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Plasmid DNA Vaccines : CK(3) : AC(2)
Vaccination of pregnant monkeys resulted in abortions in 2 out of 25.


**Article Published Date**: Apr 01, 1991

**Authors**: A Escajadillo, J K Frenkel

**Study Type**: Animal Study

**Additional Links**


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**Vaccine-induced Toxicity (AC 288) (CK 1733)**

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


**Article Published Date**: Nov 08, 2002

**Study Type**: Review

**Additional Links**

**Diseases**: Brain Inflammation: CK(274): AC(145), Vaccine-induced Toxicity: CK(1356): AC(210)


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"Chart-confirmed guillain-barre syndrome after 2009 H1N1 influenza vaccination among the Medicare population, 2009-2010."


**Article Published Date**: Sep 14, 2013

**Authors**: Laura L Polakowski, Sukhminder K Sandhu, David B Martin, Robert Ball, Thomas E Macurdy, Riley L Franks, Jonathan M Gibbs, Garner F Kropp, Armen Avagyan, Jeffrey A Kelman, Christopher M Worrall, Guoying Sun, Rebecca E Kliman, Dale R Burwen
"Mechanisms of aluminum adjuvant toxicity and autoimmunity in pediatric populations."

Article Published Date: Jan 01, 2012
Authors: L Tomljenovic, Ca Shaw

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

Article Published Date: May 31, 2010
Authors: Joseph G Victoria, Chunlin Wang, Morris S Jones, Crystal Jaing, Kevin McLoughlin, Shea Gardner, Eric L Delwart

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).

Article Published Date: Oct 01, 1997
Authors: M M Braun, S S Ellenberg
**A case of Evans' syndrome following influenza vaccine.**


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

**Authors**: Gil Z Shlamovitz, Sandeep Johar

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

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


**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(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Tetanus: CK(77) : AC(13)

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


**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(1356) : AC(210), Vasculitis: CK(48) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: BCG (Tuberculosis): CK(34) : AC(5)

**A case of sudden death after Japanese encephalitis vaccination.**
A case of sudden infant death due to incomplete Kawasaki disease.

**Article Published Date**: Dec 31, 2015
**Authors**: Daisuke Yajima, Keiko Shimizu, Kumiko Oka, Masaru Asari, Chikatoshi Maseda, Katsuhiro Okuda, Hiroshi Shiono, Seiji Ohtani, Katsuhiro Ogawa
**Study Type**: Human: Case Report
**Additional Links**
**Diseases**: Myocardial Infarction : CK(1101) : AC(162), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions**: Vaccination: BCG (Tuberculosis) : CK(34) : AC(5)

A case of systemic lupus erythematosus (SLE) following Human papillomavirus (HPV) vaccination.

**Article Published Date**: Dec 31, 2015
**Authors**: Haruyasu Ito, Kentaro Noda, Kenichiro Hirai, Taro Ukichi, Kazuhiro Furuya, Daitaro Kurosaka
**Study Type**: Human: Case Report
**Additional Links**
**Diseases**: Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

A case report of acute disseminated encephalomyelitis after influenza vaccination.

**Pubmed Data**: Crit Care Nurse. 2016 Jun ;36(3):e1-6. PMID: 27252106
**Article Published Date**: May 31, 2016
**Authors**: Wei-Ti Chen, Yi-Chen Huang, Meng-Chin Peng, Ming-Chu Wang, Kon-Ping Lin
**Study Type**: Human: Case Report
**Additional Links**
**Diseases**: Encephalomyelitis : CK(24) : AC(15), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)
A case report of hypersensitivity reaction to human papillomavirus vaccine due to polysorbate 80.


**Article Published Date**: May 07, 2012

**Authors**: Iuliana Badiu, Massimo Geuna, Enrico Heffler, Giovanni Rolla

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Hypersensitivity: CK(74): AC(22), Vaccine-induced Toxicity: CK(1356): AC(210)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil): CK(347): AC(58)

**Problem Substances**: Polysorbate 80: CK(1): AC(1)

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A case report of severe polyserositis induced by the 13-valent pneumococcal conjugate vaccine.


**Article Published Date**: May 19, 2017

**Authors**: Pierre Tawfik, Elie Gertner, Charlene E McEvoy

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Vaccine-induced Toxicity: CK(1356): AC(210)

**Anti Therapeutic Actions**: Vaccination: Pneumococcal: CK(75): AC(10)

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A case report tufted angioma arising at the site of hepatitis B vaccination.

**Pubmed Data**: Turk J Pediatr. 2018;60(2):188-190. PMID: 30325126

**Article Published Date**: Dec 31, 2017

**Authors**: Mozhdeh Sepaskhah, Jalal Hajizadeh, Fatemeh Sari-Aslani, Farideh Jowkar

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Vaccine-induced Toxicity: CK(1356): AC(210)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B: CK(468): AC(64)

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A case–control study of quadrivalent human papillomavirus vaccine-associated autoimmune adverse events.


**Article Published Date**: Jun 30, 2015

**Authors**: David A Geier, Mark R Geier
A disabling syndrome of chronic neuropathic pain, fatigue, and autonomic dysfunction may appear after HPV vaccination.


**Article Published Date**: Oct 31, 2015

**Authors**: Manuel Martínez-Lavín, Laura-Aline Martínez-Martínez, Paola Reyes-Loyola

**Study Type**: Human Study

**Diseases**: Fatigue: CK(312) : AC(49), Fibromyalgia: CK(619) : AC(67), Hyperalgesia: CK(63) : AC(24), Neuropathic Pain: CK(284) : AC(69), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil): CK(347) : AC(58)

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A measles outbreak was reported in a highly vaccinated population, San Diego, 2008


**Article Published Date**: Mar 31, 2010

**Authors**: David E Sugerman, Albert E Barskey, Maryann G Delea, Ismael R Ortega-Sanchez, Daoling Bi, Kimberly J Ralston, Paul A Rota, Karen Waters-Montjo, Charles W Lebaron

**Study Type**: Human Study

**Diseases**: Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Vaccine Failure: CK(255) : AC(32)

**Anti Therapeutic Actions**: Vaccination: Measles: CK(252) : AC(31)

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


**Article Published Date**: Mar 15, 2011

**Authors**: Ronny Kuhnert, Hartmut Hecker, Christina Poethko-Müller, Martin Schlaud, Mechtild Vennemann, Heather J Whitaker, C Paddy Farrington

**Study Type**: Human Study

**Diseases**: Vaccine-induced Toxicity: CK(1356) : AC(210)
A patient with basal-cell epithelioma occurring in a smallpox vaccination site is reported.

Article Published Date: Apr 30, 1976
Authors: F F Castrow, T E Williams
Study Type: Human: Case Report
Additional Links
Diseases: Skin Cancer: CK(736) : AC(293), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Smallpox: CK(74) : AC(9)

A post vaccine case report involving an adverse event and the presence of a microdeletion of chromosome 22 linked to the DiGeorge syndrome.

Article Published Date: Sep 28, 2014
Authors: Mariella Valenzise, Antonio Cascio, Malgorzata Wasniewska, Giuseppina Zirilli, Maria Ausilia Catena, Stefania Arasi
Study Type: Human: Case Report
Additional Links
Diseases: Demyelinating Diseases: CK(1671) : AC(332), DiGeorge Syndrome: CK(3) : AC(1), Encephalitis: CK(31) : AC(8), Vaccine-induced Toxicity: CK(1356) : AC(210)
Additional Keywords: Adverse Reaction: CK(13) : AC(2), Chromosome: CK(16) : AC(4), Genomic Variation: CK(143) : AC(18), Modified Viral Antigens: CK(3) : AC(1)
Anti Therapeutic Actions: Vaccination: Mumps-Measles-Rubella (MMR): CK(276) : AC(37)

A report of 2 cases of myopericarditis after Vaccinia virus (smallpox) immunization.

Pubmed Data: WMJ. 2011 Dec;110(6):291-4. PMID: 22324207
Article Published Date: Nov 30, 2011
Authors: Umesh Sharma, Tahir Tak
Study Type: Human: Case Report
Additional Links
Diseases: Myopericarditis: CK(40) : AC(4), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Smallpox: CK(74) : AC(9)

A review of hepatitis B vaccination and associated oral
manifestations.

Article Published Date: Oct 31, 2014
Authors: B Tarakji, N Ashok, R Alakeel, Sn Azzeghaibi, A Umair, S Darwish, Rs Mahmoud, E Elkhatat
Study Type: Review
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Hepatitis B : CK(468) : AC(64)

A temporal association between immunization with HPV vaccine and the appearance of a spectrum of systemic lupus erythematosus like conditions is reported.

Article Published Date: Aug 31, 2013
Authors: Mariele Gatto, Nancy Agmon-Levin, Alessandra Soriano, Raffaele Manna, Ramit Maoz-Segal, Shaye Kivity, Andrea Doria, Yehuda Shoenfeld
Study Type: Human: Case Report
Additional Links
Diseases: Autoimmune Diseases: CK(6629) : AC(1128), Systemic Lupus Erythematosus: CK(466) : AC(67), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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

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

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

Acute disseminated encephalomyelitis after tetanus vaccination of a pregnant woman in Senegal


Acute disseminated encephalomyelitis following influenza vaccination.


Acute fulminant myocarditis after diphtheria, polio, and tetanus vaccination.

Acute immune thrombocytopenic purpura as adverse reaction to oral polio vaccine (OPV).

**Pubmed Data** : Hum Vaccin Immunother. 2013 Jun 4;9(8). Epub 2013 Jun 4. PMID: 23807364
**Article Published Date** : Jun 03, 2013
**Authors** : Cheng-Qiang Jin, Hai-Xin Dong, Zhuo-Xiang Sun, Jian-Wei Zhou, Cui-Yun Dou, Shu-Hua Lu, Rui-Rui Yang
**Study Type** : Human: Case Report
**Additional Links**
**Diseases** : Purpura: Thrombocytopenic : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions** : Vaccination: Oral Polio Vaccine, Bivalent : CK(13) : AC(2)

Acute myopericarditis after multiple vaccinations in an adolescent.

**Article Published Date** : May 31, 2007
**Authors** : Maria T Thanjan, Prema Ramaswamy, Wyman W Lai, Irene D Lytrivi
**Study Type** : Human: Case Report, Review
**Additional Links**
**Diseases** : Myopericarditis : CK(40) : AC(4), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)

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

**Article Published Date** : Jul 01, 2010
**Authors** : Hale Aydin, Esra Ozgul, Ahmet Muhtesem Agildere
**Study Type** : Human Study
**Additional Links**
**Diseases** : Encephalopathy: Acute Necrotizing : CK(20) : AC(2), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Acute retinal necrosis associated with herpes zoster vaccination.
Acute transverse myelitis after influenza vaccination has been reported.

Adjuvants and vaccine induced autoimmunity.

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


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

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

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Arthritis : CK(1964) : AC(312), Autoimmune Diseases : CK(6629) : AC(1128), Rheumatoid Arthritis : CK(745) : AC(125), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Adult Rubella : CK(34) : AC(6), Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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


**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

**Additional Links**

**Diseases**: Tetanus : CK(47) : AC(8), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

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**Adverse events following quadrivalent meningococcal CRM-conjugate vaccine.**


**Article Published Date**: Jan 26, 2017

**Authors**: Tanya R Myers, Michael M McNeil, Carmen S Ng, Rongxia Li, Paige W Lewis, Maria V Cano

**Study Type**: Human Study

**Additional Links**
Adverse events following smallpox vaccination with ACAM2000 in a military population have been reported.

**Pubmed Data**: Arch Dermatol. 2010 Jun;146(6):656-61. PMID: [20566929](https://doi.org/10.1001/archderm.2010.100)

**Article Published Date**: Jun 01, 2010

**Authors**: Thomas M Beachkofsky, Scott C Carrizales, Jeffrey J Bidinger, David E Hrncir, Darren E Whittemore, Chad M Hivnor

**Study Type**: Human Study

**Additional Links**

**Diseases**: Smallpox : CK(26) : AC(5), Vaccine-induced Toxicity : CK(1356) : AC(210), Vaccinia virus : CK(27) : AC(6)

**Anti Therapeutic Actions**: Vaccination: Smallpox : CK(74) : AC(9)

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Adverse events following vaccination in premature infants.


**Article Published Date**: Jul 31, 2001

**Authors**: S Sen, Y Cloete, K Hassan, P Buss

**Study Type**: Human Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Haemophilus Influenzae : CK(46) : AC(8)

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Adverse reactions after injection of adsorbed DTP vaccine are not due only to pertussis organisms or pertussis components in the vaccine.

**Pubmed Data**: Vaccine. 1991 Oct ;9(10):699-702. PMID: [1759487](https://doi.org/10.1016/0264-410X(91)90039-T)

**Article Published Date**: Sep 30, 1991

**Authors**: R K Gupta, E H Relyveld

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Aluminum Toxicity : CK(207) : AC(75), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords**: Vaccine Contamination : CK(5) : AC(1)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: DPT : CK(1) : AC(1)

**Problem Substances**: Aluminum : CK(274) : AC(78)
Adverse reactions to BCG vaccine.

Article Published Date: Jul 31, 1995
Authors: E Vítková, J Galliová, K Krepela, M Kubín
Study Type: Human Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: BCG (Tuberculosis) : CK(34) : AC(5)

Aluminium-containing adjuvants in vaccines may be causing autoimmune conditions such as chronic fatigue syndrome and the inflammatory myopathy known as macrophagic myofasciitis.

Article Published Date: Feb 01, 2009
Authors: Christopher Exley, Louise Swarbrick, Rhomain K Gherardi, Francois-Jérôme Authier
Study Type: Commentary
Additional Links
Diseases: Aluminum Toxicity : CK(207) : AC(75), Chronic Fatigue Syndrome : CK(275) : AC(40), Myopathy: Inflammatory : CK(1) : AC(1), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

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

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(249) : AC(25), Vaccine-induced Toxicity : CK(1356) : AC(210)

An Italian study found that 61% of women experienced an
adverse event after the administration of the first dose of HPV vaccine.


**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(212) : AC(35), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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**An association between Pandemrix vaccination and narcolepsy has been observed in Finland and Sweden**


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

**Authors**: D O'Flanagan, A S Barret, M Foley, S Cotter, C Bonner, C Crowe, B Lynch, B Sweeney, H Johnson, B McCoy, E Purcell

**Study Type**: Human Study

**Additional Links**

**Diseases**: Narcolepsy : CK(41) : AC(5), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)

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**An increasing number of cases of primary ovarian insufficiency post-HPV4 are being reported.**


**Article Published Date**: Jul 31, 2015

**Authors**: Noah Gruber, Yehuda Shoenfeld

**Study Type**: Review

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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**An infant presenting with Kawasaki disease following immunization for influenza.**


**Article Published Date**: Feb 28, 2018

**Authors**: Seung Woo Jeong, Do Hee Kim, Mi Young Han, Sung-Ho Cha, Kyung Lim Yoon
**Antibodies formed to rubella virus induce demyelination in rat brain cells, indicating that infection with and/or vaccination against rubella may induce autoimmune demyelination.**


*Article Published Date* : Sep 01, 2001

*Authors* : C Besson Duvanel, P Honegger, J M Matthieu

*Study Type* : Animal Study

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

*Additional Links*

**Diseases**:
- Demyelinating Diseases : CK(1671) : AC(332)
- Multiple Sclerosis : CK(964) : AC(184)
- Rubella : CK(64) : AC(8)
- Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords**:
- Molecular Mimicry : CK(67) : AC(15)

**Anti Therapeutic Actions**:
- Vaccination: All : CK(5147) : AC(438)
- Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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**Apnea after immunization of preterm infants.**


*Article Published Date* : Apr 30, 1997

*Authors* : P J Sánchez, A R Laptook, L Fisher, J Sumner, R C Risser, J M Perlman

*Study Type* : Human Study

**Apnea after immunization of preterm infants.**

*Additional Links*

**Diseases**:
- Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**:
- Vaccination: Combinations : CK(50) : AC(5)
- Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)
- Vaccination: Haemophilus Influenzae : CK(46) : AC(8)

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**Autism spectrum disorders are associated with vaccination, heavy metal toxicity and excitotoxicity.**


*Article Published Date* : Nov 01, 2008

*Authors* : Russell L Blaylock

*Study Type* : Commentary

**Autism spectrum disorders are associated with vaccination, heavy metal toxicity and excitotoxicity.**

*Additional Links*

**Diseases**:
- Autism Spectrum Disorders : CK(1493) : AC(159)
- Excitotoxicity : CK(58) : AC(35)
- Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**:
- Vaccination: All : CK(5147) : AC(438)
Autistic children have elevated levels of measles antibodies indicating that measles vaccination may be causing autoimmunity in these children.


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

**Authors**: Vijendra K Singh, Ryan L Jensen

**Study Type**: Human Study

**Diseases**: Autism Spectrum Disorders : CK(1493) : AC(159), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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Autoimmun and inflammatory syndrome induced by adjuvants and thyroid autoimmunity.


**Article Published Date**: Dec 31, 2015

**Authors**: Abdulla Watad, Paula David, Stav Brown, Yehuda Shoenfeld

**Study Type**: Review

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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


**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

**Diseases**: Hemolytic Anemia : CK(34) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

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Autoimmune hepatitis following influenza virus
vaccination.

**Pubmed Data**: Medicine (Baltimore). 2018 Jul ;97(30):e11621. PMID: 30045302  
**Article Published Date**: Jun 30, 2018  
**Authors**: Tokio Sasaki, Yuji Suzuki, Kazuyuki Ishida, Keisuke Kakisaka, Hiroaki Abe, Tamotsu Sugai, Yasuhiro Takikawa  
**Study Type**: Human: Case Report  
**Additional Links**  
**Diseases**: Hepatitis: Autoimmune : CK(43) : AC(9), Vaccine-induced Toxicity : CK(1356) : AC(210)  
**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)

Autoimmunity following hepatitis B vaccine has been reported.

**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(6629) : AC(1128), Vaccine-induced Toxicity : CK(1356) : AC(210)  
**Anti Therapeutic Actions**: Vaccination: Hepatitis B : CK(468) : AC(64)  
**Adverse Pharmacological Actions**: Immunotoxic : CK(338) : AC(66)

Bacillus Calmette-Guérin reactivation as a sign of incomplete Kawasaki disease.

**Article Published Date**: Mar 30, 2016  
**Authors**: Cristina Novais, Fabiana Fortunato, Anabela Bicho, Luísa Preto  
**Study Type**: Human: Case Report  
**Additional Links**  
**Diseases**: Kawasaki Disease : CK(31) : AC(4), Vaccine-induced Toxicity : CK(1356) : AC(210)  
**Anti Therapeutic Actions**: Vaccination: BCG (Tuberculosis) : CK(34) : AC(5)

Bcg induced mycobacterial spindle cell pseudotumor in an infant.

**Pubmed Data**: Indian J Tuberc. 2009 Apr ;56(2):104-7. PMID: 19810594  
**Article Published Date**: Mar 31, 2009  
**Authors**: S Suchitha, C S Sheeladevi, G V Manjunath, R Sunila  
**Study Type**: Human: Case Report
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: BCG (Tuberculosis): CK(34) : AC(5)

**Behcet's disease and severe inflammatory reaction to 23-valent pneumococcal polysaccharide vaccine.**

Article Published Date: Sep 24, 2018
Authors: Mohammad Mahdi Saeidinejad, Sally Kardash, Laura Connell
Study Type: Human: Case Report, Review
Additional Links
Diseases: Behcet Disease: CK(11) : AC(7), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Pneumococcal: CK(75) : AC(10)

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

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(47) : AC(9), Birth Defects: CK(204) : AC(39), Vaccine-induced Toxicity: CK(1356) : AC(210)
Adverse Pharmacological Actions: Teratogenic: CK(322) : AC(64)

**Borderline tuberculoid leprosy following BCG vaccination.**

Article Published Date: Feb 28, 1981
Authors: G L Stoner, A Belehu, J Nsibambi, J Warndorff
Study Type: Human: Case Report
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: BCG (Tuberculosis): CK(34) : AC(5)

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

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.

Article Published Date: Jun 01, 2010
Authors: Alfredo Pisacane, Paola Continisio, Orsola Palma, Stefania Cataldo, Fabiola De Michele, Ugo Vairo
Study Type: Human Study

CBD enriched hemp oil could be beneficial in girls with adverse drug effects following human papillomavirus (HPV) vaccine.

Article Published Date: Jan 31, 2017
Authors: Beniamino Palmieri, Carmen Laurino, Maria Vadalà
Study Type: Human Study
**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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


**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(1852) : AC(174)
- Premature Birth : CK(424) : AC(45)
- Vaccine-induced Toxicity : CK(1356) : AC(210)

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

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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**Cardiorespiratory events after first immunization in premature infants.**

**Pubmed Data**: Ned Tijdschr Geneeskd. 2012 ;156(3):A3797. PMID: 22258442

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

**Authors**: Stephanie C Buijs, Bart Boersma

**Study Type**: Human Study

**Additional Links**

**Diseases**:
- Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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**Case report: a shoulder injury related to vaccine administration.**


**Article Published Date**: Oct 31, 2012

**Authors**: Matthew G Barnes, Christopher Ledford, Karen Hogan

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**:
- Shoulder Injuries : CK(23) : AC(3)
- Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)

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**Case reports of four young women that developed demyelinating disease after the vaccination of the HPV.**

**Pubmed Data**: Rev Neurol. 2011 Apr 16 ;52(8):472-6. PMID: 21425100
**Children vaccinated with MMR before age 10 are at significantly higher risk of multiple sclerosis.**


**Children who have been vaccinated with Salmonella typhi Vi conjugate vaccine showed long term persistence of inflammation.**


**Chronic anterior uveitis following bacille Calmette-Guérin vaccination**

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


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

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

**Study Type**: Human Study

**Additional Links**


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

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

Chronic rubella viremia has been detected in peripheral blood mononuclear cell (MNC) populations in five of the six women up to six years after vaccination.

**PubMed Data**: J Infect Dis. 1985 Sep ;152(3):606-12. PMID: [4031558](#)

**Article Published Date**: Aug 31, 1985

**Authors**: A J Tingle, J K Chantler, K H Pot, D W Paty, D K Ford

**Study Type**: Human Study

**Additional Links**

**Diseases**: Rubella: CK(64) : AC(8), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Vaccine Shedding: CK(31) : AC(4)

**Anti Therapeutic Actions**: Vaccination: Adult Rubella: CK(34) : AC(6)

Clinicians should be aware of a possible bilateral uveitis and papillitis following HPV vaccination.


**Article Published Date**: Feb 28, 2014

**Authors**: Henry D Holt, David M Hinkle, Naomi S Falk, Frederick T Fraunfelder, Frederick W Fraunfelder

**Study Type**: Human Study

**Additional Links**

**Diseases**: Uveitis: CK(91) : AC(17), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil): CK(347) : AC(58)
Cluster anxiety-related adverse events following immunization.


Article Published Date: Jan 24, 2018

Authors: Tiffany A Suragh, Smaragda Lamprianou, Noni E MacDonald, Anagha R Loharikar, Madhava R Balakrishnan, Oleg Benes, Terri B Hyde, Michael M McNeil

Study Type: Human Study

Additional Links

Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

Combined MMR and varicella live vaccine is associated with higher rates of febrile convolution than giving the vaccines separately.


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


Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

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(34) : AC(6), Vaccination: All : CK(5147) : AC(438)
Crohn's disease (CD) and ulcerative colitis (UC) found an association between the poliomyelitis vaccine and risk for developing CD.


**Article Published Date**: Jul 31, 2015

**Authors**: Guillaume Pineton de Chambrun, Luc Dauchet, Corinne Gower-Rousseau, Antoine Cortot, Jean-Frédéric Colombel, Laurent Peyrin-Biroulet

**Study Type**: Human Study

**Diseases**:
- Colitis: CK(255) : AC(111)
- Crohn's Disease: CK(156) : AC(32)
- Inflammatory Bowel Diseases: CK(1052) : AC(197)
- Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**:
- Vaccination: Polio: CK(98) : AC(17)

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Current safety concerns with human papillomavirus vaccine: a cluster analysis of reports in VigiBase.

**Pubmed Data**: Drug Saf. 2017 01;40(1):81-90. PMID: 27638661

**Article Published Date**: Dec 31, 2016

**Authors**: Rebecca E Chandler, Kristina Juhlin, Jonas Fransson, Ola Caster, I Ralph Edwards, G Niklas Norén

**Study Type**: Human Study

**Diseases**:
- Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**:
- Vaccination: HPV (Gardasil): CK(347) : AC(58)

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DPT vaccines have been associated with recurrent seizures.


**Article Published Date**: Oct 01, 1984

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

**Study Type**: Human Study

**Diseases**:
- Pertussis: CK(123) : AC(23)
- Seizures: CK(208) : AC(60)
- Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**:
- Vaccination: All: CK(5147) : AC(438)
- Vaccination: Diphtheria-Pertussis-Tetanus: CK(315) : AC(36)

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

**Pubmed Data**: J Manipulative Physiol Ther. 2000 Feb;23(2):81-90. PMID: [10714532](https://doi.org/10.1016/S0894-9115(00)00092-4)

**Article Published Date**: Feb 01, 2000

**Authors**: E L Hurwitz, H Morgenstern

**Study Type**: Meta Analysis

**Additional Links**

**Diseases**: Allergies: CK(703) : AC(132), Allergies: Childhood : CK(70) : AC(6), Asthma : CK(1157) : AC(190), Hypersensitivity : CK(74) : AC(22), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Tetanus : CK(77) : AC(13)

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**DTP vaccination may contribute to urinary tract disease and sudden infant death syndrome.**

**Pubmed Data**: Reprod Biomed Online. 2010 Jul;21(1):100-8. Epub 2010 Mar 30. PMID: [15356430](https://doi.org/10.1017/S1473715910000342)

**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(409) : AC(59), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

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


**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(249) : AC(25), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Combinations : CK(50) : AC(5)

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**Deep morphea after vaccination in two young children has been reported.**

Deep sequencing reveals persistence of cell-associated mumps vaccine virus in chronic encephalitis.


**Article Published Date**: Dec 31, 2016

**Authors**: Sofia Morfopoulou, Edward T Mee, Sarah M Connaughton, Julianne R Brown, Kimberly Gilmour, W K 'Kling' Chong, W Paul Duprex, Deborah Ferguson, Mike Hubank, Ciaran Hutchinson, Marios Kaliakatsos, Stephen McQuaid, Simon Paine, Vincent Plagnol, Christopher Ruis, Alex Virasami, Hong Zhan, Thomas S Jacques, Silke Schepelmann, Waseem Qasim, Judith Breuer

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Encephalitis : CK(31) : AC(8), Mumps : CK(54) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccine-induced Toxicity : CK(1356) : AC(210), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

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

**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(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

Delayed life-threatening reaction to anthrax vaccine.


**Article Published Date**: Dec 31, 2000

**Authors**: B Swanson-Biearman, E P Krenzelok

**Study Type**: Human: Case Report

**Additional Links**
Delayed manifestation of cognitive dysfunction in the post-vaccinated girls has attracted attention.

**Pubmed Data** : Brain Nerve. 2015 Jul ;67(7):835-43. PMID: 26160812

**Article Published Date** : Jun 30, 2015

**Authors** : Shu-ichi Ikeda

**Study Type** : Human Study

**Additional Links**

**Diseases** : Cognitive Decline/Dysfunction : CK(1163) : AC(215), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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


**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(6629) : AC(1128), Diabetes Mellitus: Type 1 : CK(1130) : AC(301), Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

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Development of unilateral cervical and supraclavicular lymphadenopathy after human papilloma virus vaccination.

**Pubmed Data** : Pharmacotherapy. 2008 Sep ;28(9):1194-7. PMID: 18752390

**Article Published Date** : Aug 31, 2008

**Authors** : James Studdiford, Kathleen Lamb, Kedron Horvath, Marc Altshuler, Amber Stonehouse

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Lymphadenopathy : CK(4) : AC(2), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: HPV (Gardasil) : CK(347) : AC(58)
Diphtheria-tetanus-pertussis vaccine administered simultaneously with measles vaccine is associated with increased morbidity and poor growth in girls.

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(1356) : AC(210)

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

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(249) : AC(25), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

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.

Article Published Date: Feb 15, 1976
Authors: M Siegel
Study Type: Review
Additional Links
Additional Keywords: Vaccine-induced Toxicity: CK(1356) : AC(210), Vaccine-induced Toxicity: CK(1356) : AC(210), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Adult Rubella: CK(34) : AC(6), Vaccination: All: CK(5147) : AC(438)
Early-life antibiotic-driven dysbiosis leads to dysregulated vaccine immune responses in mice.

**Pubmed Data** : Cell Host Microbe. 2018 05 9 ;23(5):653-660.e5. PMID: [29746836](https://www.ncbi.nlm.nih.gov/pubmed/29746836)

**Article Published Date** : Jan 08, 2018

**Authors** : Miriam Anne Lynn, Damon John Tumes, Jocelyn Mei Choo, Anastasia Sribnaia, Stephen James Blake, Lex Ee Xiang Leong, Graeme Paul Young, Helen Siobhan Marshall, Steve Lodewijk Wesselingh, Geraint Berian Rogers, David John Lynn

**Study Type** : Animal Study

**Additional Links**

**Diseases** : Antibiotic Toxicity : CK(63) : AC(16), Dysbiosis : CK(387) : AC(90), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords** : Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)

**Problem Substances** : Antibiotics : CK(330) : AC(44)

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


**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(962) : AC(39), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords** : Antibody Theory Of Vaccinology : CK(95) : AC(11), Vaccine Failure : CK(255) : AC(32)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Measles : CK(252) : AC(31)

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


**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**
Fatal adverse pulmonary reaction in calves after inadvertent intravenous vaccination has been reported.

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

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

Article Published Date: Oct 05, 2006
Authors: Jolle Kirpensteijn
Study Type: Review

Fibromyalgia, infection and vaccination: two more parts in the etiological puzzle.

Article Published Date: Oct 31, 2006
Authors: Jacob N Ablin, Yehuda Shoenfeld, Dan Buskila
Study Type: Review

Flu vaccination causes measurable increases in inflammation in pregnant women which may increase the
risk of preeclempsia and adverse outcomes such as preterm birth.

**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(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

**Adverse Pharmacological Actions**: Interleukin-6 up-regulation : CK(18) : AC(5), Tumor necrosis factorα (TNFα) up-regulation : CK(55) : AC(7)

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**Formaldehyde-inactivated respiratory syncytial virus vaccine in the 1960s caused enhanced respiratory disease in both humans and animals.**


**Article Published Date**: Nov 20, 2016

**Authors**: Abenaya Muralidharan, Changgui Li, Lisheng Wang, Xuguang Li

**Study Type**: Review

**Additional Links**

**Diseases**: Formaldehyde Toxicity : CK(6) : AC(3), Respiratory Syncytial Virus Infections : CK(79) : AC(26), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords**: Increased Risk : CK(1600) : AC(192)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Formaldehyde : CK(23) : AC(13)

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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.**


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

**Authors**: Thomas P Monath

**Study Type**: Review

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1356) : AC(210), Yellow Fever : CK(3) : AC(2)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Yellow Fever : CK(23)
Guillain-Barré syndrome following H1N1 immunization in a pediatric patient has been reported.


**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(110) : AC(18), Influenza : CK(789) : AC(123), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

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

**Pubmed Data**: Mol Nutr Food Res. 2010 Jan 28. Epub 2010 Jan 28. PMID: 11405924

**Article Published Date**: Jan 28, 2010

**Authors**: E Hooper

**Study Type**: Commentary

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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

**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, Mário F Fonseca, Wanderley R Bastos, Olaf Malm

**Study Type**: Human Study

**Additional Links**

**Diseases**: Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Therapeutic Actions**: Breastfeeding : CK(803) : AC(85)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(468) : AC(64)
Hepatitis B vaccination has been linked to anaphylactic shock and death in infants.


**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(67) : AC(18), Infant Mortality : CK(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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


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

**Authors** : Yannick Comenge, Marc Girard

**Study Type** : Commentary

**Additional Links**

**Diseases** : Demyelinating Diseases : CK(1671) : AC(332), Hepatitis B : CK(241) : AC(46), Multiple Sclerosis : CK(964) : AC(184), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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


**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(6629) : AC(1128), Demyelinating Diseases : CK(1671) : AC(332), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords** : Hepatitis B Vaccine : CK(30) : AC(2), Molecular Mimicry : CK(67) : AC(15)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468)
Hepatitis B vaccination was statistically associated with gastrointestinal reactions including: hepatitis, gastrointestinal disease and liver function test abnormalities.

**Pubmed Data**: Hepatogastroenterology. 2002 Nov-Dec;49(48):1571-5. PMID: [12397738](https://pubmed.ncbi.nlm.nih.gov/12397738/)

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

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

**Study Type**: Human Study

**Additional Links**

**Diseases**: Gastrointestinal Diseases : CK(76) : AC(24), Hepatitis : CK(66) : AC(25), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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Hepatitis B vaccinations is associated with autoimmune hazards.

**Pubmed Data**: Autoimmun Rev. 2005 Feb;4(2):96-100. PMID: [15722255](https://pubmed.ncbi.nlm.nih.gov/15722255/)

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

**Authors**: Marc Girard

**Study Type**: Review

**Additional Links**

**Diseases**: Autoimmune Diseases : CK(6629) : AC(1128), Hepatitis B : CK(241) : AC(46), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords**: Molecular Mimicry : CK(67) : AC(15)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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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.


**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(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)
Hepatitis B vaccine associated with dermatomyositis has been reported.

Article Published Date: Apr 01, 2008
Authors: Arie Altman, Martine Szyper-Kravitz, Yehuda Shoenfeld
Study Type: Human: Case Report
Additional Links
Diseases: Dermatomyositis : CK(47) : AC(10), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

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

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
Diseases: Liver Damage : CK(877) : AC(329), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)
Problem Substances: Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)
Adverse Pharmacological Actions: Hepatotoxic : CK(335) : AC(96)

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

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(145) : AC(41), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)
Hepatitis B vaccine is associated with an increased risk of multiple sclerosis.

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

Hepatitis B vaccine may have a possible association with the development of uveitis in some patients.

Article Published Date: Mar 01, 2010
Authors: Frederick W Fraunfelder, Eric B Suhler, Frederick T Fraunfelder
Study Type: Human Study

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

Article Published Date: May 01, 2003
Authors: Maurizio Montella, Anna Crispo, Maria Grimaldi, Vincenzo Tridente, Mario Fusco
Study Type: Human Study

High antibody titres against predicted Mycoplasma surface proteins do not prevent sequestration in infected lung tissue in the course of experimental contagious
bovine pleuropneumonia.

Article Published Date: Aug 05, 2014
Authors: Elise Schieck, Anne Liljander, Carl Hamsten, Nimmo Gicheru, Massimo Scacchia, Flavio Sacchini, Martin Heller, Christiane Schnee, Anja Sterner-Kock, Andreas Hlinak, Jan Naessens, Jane Poole, Anja Persson, Joerg Jores
Study Type: Human Study
Additional Links
Additional Keywords: Antibody Theory Of Vaccinology: CK(95): AC(11)
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)

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

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

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

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)

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Hypotonic-hyporesponsive episode after immunization with whole-cell pertussis combination vaccine.

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


Immunization with hepatitis B vaccine accelerates SLE-like disease in a murine model.


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

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.

Article Published Date: Apr 01, 2012
Authors: Neetu Vashisht, Jacob Puliyel
Study Type: Review

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

In seven studies of BCG-vaccinated children, DTP vaccination was associated with an increase in mortality in girls.

Article Published Date: Jan 11, 2016
In the US the highest number of cases of Guillain-Barre syndrome are associated with influenza and hepatitis B vaccines.

Pubmed Data: J Clin Neuromuscul Dis. 2009 Sep;11(1):1-6. PMID: 19730016

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


Incidence of apnoea and bradycardia in preterm infants following triple antigen immunization.

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

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(113) : AC(12), Herpes Zoster: CK(473) : AC(36), Shingles: CK(473) : AC(36), Vaccine-induced Toxicity: CK(1356) : AC(210)
Additional Keywords: Chicken Pox (Varicella) Shingles (Herpes Zoster) Connection: CK(20) : AC(2)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Varicella (Chicken pox): CK(177) : AC(22)

Infant meningoencephalitis caused by yellow fever vaccine virus transmitted via breastmilk.

Article Published Date: May 07, 2011
Authors: Cristiane Traiber, Priscila Coelho-Amaral, Valéria Raymundo Fonteles Ritter, Annelise Winge
Study Type: Human: Case Report
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)
Additional Keywords: Vaccine Shedding: CK(31) : AC(4)
Anti Therapeutic Actions: Vaccination: Yellow Fever: CK(23) : AC(5)

Infection and vaccines are triggers for autoimmune disease.

Article Published Date: May 01, 2005
Authors: Vered Molina, Yehuda Shoenfeld
Study Type: Commentary
Infection of human B lymphocytes with MMR vaccine induces IgE class switching.

**Pubmed Data**: Clin Immunol. 2001 Sep ;100(3):355-61. PMID: [11513549]

**Article Published Date**: Aug 31, 2001

**Authors**: F Imani, K E Kehoe

**Study Type**: Human In Vitro

Infection of human B lymphocytes with MMR vaccine induces IgE class switching.

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

**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

Influenza vaccination did not reduce the risk of subsequent hospital admission among patients with vaccine failure. These findings do not support the hypothesis that vaccination mitigates influenza illness severity.

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


**Authors**: C I Blanco-Marchite, L Buznego-Suárez, M A Fagún dez-Vargas, M Méndez-Llatas, P Pozo-Martos

**Study Type**: Human Study

**Additional Links**

**Diseases**: Guillain Barre Syndrome: Miller Fisher Variant, Influenza, Vaccine-induced Toxicity

**Anti Therapeutic Actions**: Vaccination: All, Vaccination: Influenza

Influenza vaccines may be causing vasculitis.


**Authors**: Rainer Birck, Isabelle Kaelsch, Peter Schnuelle, Luis Felipe Flores-Suárez, Rainer Nowack

**Study Type**: Human Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity, Vasculitis

**Anti Therapeutic Actions**: Vaccination: All, Vaccination: Influenza

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


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

**Study Type**: Human Study

**Additional Links**
Injection site lichenoid dermatitis following pneumococcal vaccination.


**Article Published Date**: May 31, 2016

**Authors**: Philip R Cohen

**Study Type**: Human: Case Report, Review

**Additional Links**

**Diseases**: Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Pneumococcal: CK(75) : AC(10)

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

**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(47) : AC(9), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Gender Differences: CK(63) : AC(8)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438), Vaccination: Anthrax: CK(62) : AC(8)

Intramuscular injection of alum-containing vaccine was associated with the appearance of aluminum deposits in distant organs.


**Article Published Date**: Apr 03, 2013

**Authors**: Zakir Khan, Christophe Combadière, François-Jérôme Authier, Valérie Itier, François Lux, Christopher Exley, Meriem Mahrouf-Yorgov, Xavier Decrouy, Philippe Moretto, Olivier Tillement, Romain K Gherardi, Josette Cadusseau

**Study Type**: Human Study

**Additional Links**
Is infant immunization a risk factor for childhood asthma or allergy?

**Pubmed Data**: Epidemiology. 1997 Nov ;8(6):678-80. PMID: 9345669

**Article Published Date**: Oct 31, 1997

**Authors**: T Kemp, N Pearce, P Fitzharris, J Crane, D Fergusson, I St George, K Wickens, R Beasley

**Study Type**: Human Study

**Additional Links**

**Diseases**: Asthma : CK(1157) : AC(190), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Polio : CK(98) : AC(17)

Kikuchi-Fujimoto disease following vaccination against human papilloma virus infection and Japanese encephalitis.


**Article Published Date**: Aug 31, 2012

**Authors**: Toru Watanabe, Hideki Hashidate, Yutaka Hirayama, Yasushi Iinuma

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58), Vaccination: Japanese Encephalitis Virus Vaccine : CK(13) : AC(2)

Lethal complications of typhoid-cholera-vaccination.

**Pubmed Data**: Beitr Pathol. 1976 Jul ;158(2):212-24. PMID: 985298

**Article Published Date**: Jun 30, 1976

**Authors**: C H Mittermayer

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Combinations : CK(50) : AC(5)

Lichen striatus-like eruption in an adult following hepatitis B vaccination.
Live attenuated influenza vaccines may cause shedding of the virus in children 6-59 months.

Lupus vulgaris at the site of BCG vaccination: report of three cases.

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.
Measles vaccination in developing countries has resulted in higher infant mortality rates.


**Article Published Date**: Nov 20, 1993

**Authors**: A J Hall, F T Cutts

**Study Type**: Review

**Additional Links**

**Diseases**: Child Mortality : CK(74) : AC(9), Measles : CK(962) : AC(39), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Measles : CK(252) : AC(31)

Measles vaccine and glyphosate-induced parkinsonism has been reported.


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

**Authors**: Maria do Desterro Leiros da Costa, Lilian Regina Gonçalves, Egberto Reis Barbosa, Luiz Alberto Bacheschi

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Glyphosate Toxicity : CK(76) : AC(30), Parkinsonian Disorders : CK(25) : AC(13), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Measles : CK(252) : AC(31)

**Problem Substances**: Glyphosate : CK(502) : AC(160)

**Adverse Pharmacological Actions**: Neurotoxic : CK(1396) : AC(289)

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.


**Article Published Date**: Apr 01, 2000

**Authors**: H Kawashima, T Mori, Y Kashiwagi, K Takekuma, A Hoshika, A Wakefield

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


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 Mullolol, Lisa A Jackson, James Nordin, Edward A Belongia, K Hohman, Robert T Chen, Robert Davis,

Study Type: Human Study

Mechanistic insights into influenza vaccine-associated narcolepsy.


Article Published Date: Jan 11, 2016

Authors: S Sohail Ahmed, Lawrence Steinman

Study Type: In Vitro Study

Merck promoted school-entry mandate legislation by serving as an information resource, a lobbying legislator and helped in drafting legislation.


Article Published Date: Apr 30, 2012
Narcolepsy type 1 is most likely an autoimmune disease.


**Article Published Date**: May 31, 2018

**Authors**: Tomi Sarkanen, Anniina Alakuijala, Ilkka Julkunen, Markku Partinen

**Study Type**: Review

**Additional Links**

**Diseases**: Autoimmune Diseases: CK(6629) : AC(1128), Narcolepsy: CK(41) : AC(5), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Influenza: CK(521) : AC(64)

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Narcolepsy with cataplexy and hyperthyroidism sudden appeared after H1N1 vaccination.


**Article Published Date**: Dec 31, 2017

**Authors**: Silvia Leiva, Jimena Madrazo, Claudio Podesta

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Autoimmune Diseases: CK(6629) : AC(1128), Narcolepsy: CK(41) : AC(5), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Influenza: CK(521) : AC(64)

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Neonatal hepatitis B vaccination may have adverse implications for brain development and cognition.


**Article Published Date**: Sep 30, 2018

**Authors**: Xiao Wang, Junhua Yang, Zhiwei Xing, Hongyang Zhang, Yaru Wen, Fangfang Qi, Zejie Zuo, Jie Xu, Zhibin Yao

**Study Type**: Animal Study

**Additional Links**

**Diseases**: Autism: CK(617) : AC(73), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B: CK(468) : AC(64)

**Problem Substances**: Thimerosal: CK(757) : AC(85)
Neonate exposure to thimerosal mercury from hepatitis B vaccines may be a significant problem.

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(241) : AC(46), Infant Chemical Exposures : CK(175) : AC(25), Mercury Poisoning : CK(228) : AC(178), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

Neurological adverse events associated with vaccination.

Article Published Date: May 31, 2002
Authors: Sucheep Piyasirisilp, Thiravat Hemachudha
Study Type: Review
Additional Links
Additional Keywords: Adverse Events : CK(37) : AC(7), Vaccine Contaminants : CK(11) : AC(2)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)
Problem Substances : Aluminum : CK(274) : AC(78), Thimerosal : CK(757) : AC(85)

Neurological and autoimmune disorders after vaccination against pandemic influenza A.

Article Published Date: Oct 11, 2011
Authors: Carola Bardage, Ingemar Persson, Ake Ortvqvist, Ulf Bergman, Jonas F Ludvigsson, Fredrik Granath
Study Type: Human: Case Report
Additional Links
Diseases: Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Influenza : CK(521) : AC(64)

Newborn primates receiving mercury-containing hepatitis B vaccines exhibit neurodevelopmental delays.
Noticeable adverse reactions to the HPV vaccine occurred in 22% of those polled.

Optic neuritis following hepatitis B vaccination has been reported.

Optic neuritis is a potential adverse reaction of anthrax vaccination.
Orthostatic intolerance and postural tachycardia syndrome as suspected adverse effects of vaccination against human papilloma virus.


**Article Published Date** : May 20, 2015

**Authors** : Louise S Brinth, Kirsten Pors, Ann C Theibel, Jesper Mehlsen

**Study Type** : Human Study

**Additional Links**

**Diseases** : Fatigue : CK(312) : AC(49), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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

**Pubmed Data** : Vaccine. 2010 Nov 29. Epub 2010 Nov 29. PMID: [21126606](https://doi.org/10.1001/vaccine.2010.982)

**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(234) : AC(26), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)

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


**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(5147) : AC(438), Vaccination: Polio : CK(98) : AC(17)
Over 600 cases of sudden infant death syndrome following vaccination were reported from 1990-1997.

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(249) : AC(25), Sudden Infant Death Syndrome (SIDS) : CK(138) : AC(18), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Over 69% of the women shed virus in milk after immunization.

Pubmed Data: J Infect Dis. 1982 May ;145(5):654-60. PMID: 7077089
Article Published Date: Apr 30, 1982
Authors: G A Losonsky, J M Fishaut, J Strussenberg, P L Ogra
Study Type: Human Study

Additional Links
Diseases: Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Adult Rubella : CK(34) : AC(6)

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.

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

Pediatric Wells syndrome (eosinophilic cellulitis) after vaccination.
**Pertussis vaccination may activate a genetic predisposition for encephalopathy in susceptible individuals.**

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.**


Article Published Date: Jan 01, 2002

Authors: Michael S Gold

Study Type: Human Study

Additional Links

Diseases: Vaccine-induced Toxicity: CK(1356): AC(210)


**Pneumococcal conjugate vaccination is associated with higher levels of serious adverse respiratory events and nonrespiratory events in infants 6 weeks to 6 months of age.**
**Polio, hepatitis B and AIDS: an integrative theory on a possible vaccine induced pandemic.**

*Pubmed Data*: Med Hypotheses. 2001 May ;56(5):677-86. PMID: [11388787](#)

*Article Published Date*: Apr 30, 2001

*Authors*: L G Horowitz

*Study Type*: Commentary

*Additional Links*


*Anti Therapeutic Actions*: Vaccination: Hepatitis B: CK(468): AC(64), Vaccination: Polio: CK(98): AC(17)

**Possible predictors of cardiorespiratory events after immunization in preterm neonates.**


*Article Published Date*: Dec 31, 2012

*Authors*: Tiphaine Mialet-Marty, Alain Beuchée, Wissal Ben Jmaa, Nga N’guen, Xavier Navarro, Fabienne Porée, Anne Monique Nuyt, Patrick Pladys

*Study Type*: Human Study

*Additional Links*

*Diseases*: Vaccine-induced Toxicity: CK(1356): AC(210)

*Anti Therapeutic Actions*: Vaccination: All: CK(5147): AC(438)

**Possible systemic lupus erythematosus following HPV immunization has been reported.**

*Pubmed Data*: Lupus. 2012 ;21(2):158-61. PMID: [22235047](#)

*Article Published Date*: Jan 01, 2012

*Authors*: Hf Soldevilla, Sfr Briones, Sv Navarra

*Study Type*: Human: Case Report
Additional Links

Post vaccination Guillain Barre syndrome.

Article Published Date: Apr 19, 2018
Authors: Muhammad Wajih Ullah, Aisha Qaseem, Afshan Amray
Study Type: Human: Case Report
Additional Links

Post-infection rabies vaccination increases mortality in mice.

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(1356): AC(210)
Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)

Potential cross-reactivity between HPV16 L1 protein and sudden death-associated antigens.

Article Published Date: Dec 31, 2013
Authors: S Blitshteyn
Study Type: Human Study
Additional Links
Anti Therapeutic Actions: Vaccination: HPV (Gardasil): CK(347): AC(58)

Potential risk of repeated nasal vaccination that induces
**allergic reaction with mucosal IgE.**

**Pubmed Data**: Vaccine. 2017 02 15 ;35(7):1008-1017. Epub 2017 Jan 18. PMID: 28109707

**Article Published Date**: Jan 14, 2017

**Authors**: Misako Nakayama, Yasushi Itoh, Shintaro Shichinohe, Rumi Nakabayashi, Hirohito Ishigaki, Yoshihiro Sakoda, Quynh Mai Le, Yoshihiro Kawaoka, Hiroshi Kida, Kazumasa Ogasawara

**Study Type**: Animal Study

**Additional Links**

**Diseases**: IgE-Mediated Hypersensitivity : CK(47) : AC(8), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)

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**Pregnant cows vaccinated against a Brucella strain experienced an abortion rate of 58%.**

**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**


**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Animal Model : CK(41) : AC(17)

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**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.**


**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**


**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Animal Model : CK(41) : AC(17)

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**Premature ovarian failure was notified as a possible**
adverse event following HPV vaccination.


Article Published Date: Sep 29, 2012

Authors: Deirdre Therese Little, Harvey Rodrick Grenville Ward

Study Type: Human: Case Report

Additional Links

Diseases: Ovarian Failure: CK(29) : AC(6), Vaccine-induced Toxicity: CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: HPV (Gardasil): CK(347) : AC(58)

Rabies post-exposure prophylaxis for a child with severe allergic reaction to rabies vaccine.


Article Published Date: Jan 01, 2016

Authors: Yuan Fang, Man-Qing Liu, Li Chen, Zheng-Gang Zhu, Ze-Rong Zhu, Quan Hu

Study Type: Human: Case Report

Additional Links

Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: Rabies: CK(10) : AC(5)

Rates of intussusception associated with rotavirus vaccines may be significantly underestimated.

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

Additional Links

Diseases: Intussusception: CK(30) : AC(3), Vaccine-induced Toxicity: CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Rotavirus: CK(56) : AC(11)

Recent concerns about a possible association between exposure of young women to HPV vaccines and two dysautonomic syndromes.


Article Published Date: Dec 31, 2016

Authors: Tom Jefferson, Lars Jørgensen
Recurrence of cardiorespiratory events following repeat DTaP-based combined immunization in very low birth weight premature infants.

Article Published Date: Aug 31, 2008
Authors: Aline Flatz-Jequier, Klara M Posfay-Barbe, Riccardo E Pfister, Claire-Anne Siegrist

Review: possible adverse effects that are associated with smallpox vaccination.

Article Published Date: Feb 21, 2003
Authors: Joanne Cono, Christine G Casey, David M Bell,

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

Article Published Date: Jan 01, 2009
Authors: Samia Ahmed Kamal

Study Type: Review
Additional Links
Diseases: Autoimmune Diseases: CK(6629) : AC(1128), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

Study Type: Human Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

Study Type: Review
Additional Links
Diseases: Smallpox : CK(26) : AC(5), Vaccine-induced Toxicity : CK(1356) : AC(210)
Pharmacological Actions: Antiviral Agents : CK(938) : AC(433)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Smallpox : CK(74) : AC(9)

Study Type: Animal Study
Additional Links
Rotavirus vaccination has been associated with increased risk for gastroenteritis and intussusception.


**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

**Additional Links**

**Diseases**: Gastroenteritis : CK(107) : AC(15), Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Rotavirus : CK(56) : AC(11)

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Rotavirus vaccinations have a history of causing adverse effects such as intussusception.


**Article Published Date**: Jun 01, 2001

**Authors**: L R Zanardi, P Haber, G T Mootrey, M T Niu, M Wharton

**Study Type**: Human Study

**Additional Links**

**Diseases**: Intussusception : CK(30) : AC(3), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Rotavirus : CK(56) : AC(11)

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Rotavirus vaccines have been found contaminated with porcine circovirus.


**Article Published Date**: Mar 06, 2012

**Authors**: Sarah M Gilliland, Lindsay Forrest, Heather Carre, Adrian Jenkins, Neil Berry, Javier Martin, Philip Minor, Silke Schepelmann

**Study Type**: Review

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Rotavirus : CK(56) : AC(11)
Severe ASIA may be observed after influenza vaccines and
other vaccines.

Article Published Date: Jul 12, 2016
Authors: Luis J Jara, Grettel García-Collinot, Gabriela Medina, Maria Del Pilar Cruz-Dominguez, Olga Vera-Lastra, Rosa A Carranza-Muleiro, Miguel A Saavedra
Study Type: Review
Additional Links
Diseases: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA) : CK(31) : AC(4), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: HPV (Gardasil) : CK(347) : AC(58)

Severe autoimmune adverse events post herpes zoster vaccine.

Article Published Date: Jun 30, 2015
Authors: Yi Chun Lai, Yik Weng Yew
Study Type: Human: Case Report
Additional Links
Diseases: Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Varicella Zoster (Shingles) : CK(3) : AC(1)

Small fiber neuropathy and dysautonomia could be the common underlying pathogenesis to the group of rare reactions that follow HPV vaccination.

Article Published Date: Jun 30, 2015
Authors: Manuel Martínez-Lavín
Study Type: Commentary
Additional Links
Diseases: Acute Autoimmune Neuropathy : CK(20) : AC(2), Fibromyalgia : CK(619) : AC(67), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

Smallpox vaccine caused iatrogenic vaccinia in children in Russia.

Pubmed Data: Zh Mikrobiol Epidemiol Immunobiol. 2001 Mar-Apr(2):40-5. PMID: 11548257
Article Published Date: Mar 01, 2001
**Squamous cell carcinoma in ulcer after bacille Calmette-Guérin vaccination.**

**Pubmed Data**: Ugeskr Laeger. 2014 Oct 13 ;176(42). PMID: [25316362](https://doi.org/10.15960/UgeskrLaeger.2014.I176.42.1)

**Article Published Date**: Oct 12, 2014

**Authors**: Rikke Maria Nielsen, Flemming Andersen, Maria Luise Salskov-Iversen

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Skin Cancer : CK(736) : AC(293), Squamous cell carcinoma : CK(203) : AC(75), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: BCG (Tuberculosis) : CK(34) : AC(5)

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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.**

**Pubmed Data**: Am J Public Health. 1987 Aug;77(8):945-51. PMID: [3496805](https://doi.org/10.2105/AJPH.77.8.945)

**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(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

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

**Pubmed Data**: J Infect Dis. 2008 Jul 15;198(2):226-33. PMID: [18522505](https://doi.org/10.1086/588804)

**Article Published Date**: Jul 15, 2008
Symptomatic Gulf War Syndrome is strongly associated with the presence of autoantibodies to squalene, an adjuvant used in vaccines.

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(43) : AC(6), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Systematically experimental investigation on carcinogenesis or tumorigenicity of VERO cell lines of different karyotypes in nude mice in vivo used for viral vaccine manufacture.

Pubmed Data: Yi Chuan Xue Bao. 2004 Jul ;31(7):647-60. PMID: 15473315
Article Published Date: Jun 30, 2004
Authors: De-Li Zhang, Liang Ji, Liu-Jin Li, Gao-Sheng Huang
Study Type: Animal Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)
Additional Keywords: Cell Line Contamination: CK(4) : AC(4)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Systemic allergic contact dermatitis after formaldehyde-containing influenza vaccination.

Article Published Date: Aug 31, 2015
Telogen effluvium following bivalent human papillomavirus vaccine administration: a report of two cases.


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


The administration of meningitis C vaccination 1 week before the onset of HSP suggests that it can be added to the list of potential triggering agents.
The anthrax vaccine is one of the most reactogenic vaccines reported in the Vaccine Adverse Events Reporting System (VAERS) database.

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

The common immunogenic etiology of chronic fatigue syndrome: from infections to vaccines via adjuvants to
the ASIA syndrome.


**Article Published Date** : Nov 30, 2011

**Authors** : Hemda Rosenblum, Yehuda Shoenfeld, Howard Amital

**Study Type** : Review

**Additional Links**

**Diseases** : Chronic Fatigue Syndrome : CK(275) : AC(40), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)

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The detachment of retina as possible complication after BCG vaccination.

**Pubmed Data** : Klin Oczna. 2006 ;108(10-12):446-9. PMID: 17455724

**Article Published Date** : Dec 31, 2005

**Authors** : Monika Modrzejewska, Danuta Karczewicz, Agnieszka Kordek, Jacek Rudnicki, Ryszard Czajka

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: BCG (Tuberculosis) : CK(34) : AC(5)

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The development of rheumatoid arthritis after recombinant hepatitis B vaccination.

**Pubmed Data** : J Rheumatol. 1998 Sep ;25(9):1687-93. PMID: 9733447

**Article Published Date** : Aug 31, 1998

**Authors** : J E Pope, A Stevens, W Howson, D A Bell

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Rheumatoid Arthritis : CK(745) : AC(125), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: Hepatitis B : CK(468) : AC(64)

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

**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
The incidence of mycoplasma DNA and pestivirus RNA contamination among the four viral vaccines was in the range of 20 to 37%.

**Pubmed Data**: Biologicals. 1996 Dec;24(4):371-5. PMID: 9088554

**Article Published Date**: Nov 30, 1996

**Authors**: T Sasaki, R Harasawa, M Shintani, H Fujiwara, Y Sasaki, A Horino, T Kenri, K Asada, I Kato, F Chino

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords**: Cell Line Contamination : CK(4) : AC(4)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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The introduction of HPV vaccination will result in a relative increase in incidence of premalignant and malignant cervical glandular lesions.


**Article Published Date**: Apr 06, 2017

**Authors**: Karen L Talia, Colin J R Stewart, Brooke E Howitt, Marisa R Nucci, W Glenn McCluggage

**Study Type**: Human Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1356) : AC(210)

**Additional Keywords**: Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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


**Article Published Date**: Apr 15, 2005

**Authors**: S Havarinasab, B Häggeqvist, E Björn, K M Pollard, P Hultman

**Study Type**: Animal Study

**Additional Links**
The notion that HPV vaccines have an impressive safety profile is only supported by highly flawed design of safety trials.


**Article Published Date**: Dec 31, 2012

**Authors**: Lucija Tomljenovic, Jean Pierre Spinosa, Christopher A Shaw

**Study Type**: Review

**Diseases**: Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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


**Article Published Date**: May 02, 2008

**Authors**: Soju Chang, Robert Ball, M Miles Braun

**Study Type**: Review


**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

The present data may help evaluate the potential crossreactivity risks in anti-tumor vaccination protocols based on HPV16 L1 protein

**Pubmed Data**: J Exp Ther Oncol. 2011;9(2):159-65. PMID: [21699023](https://pubmed.ncbi.nlm.nih.gov/21699023/)

**Article Published Date**: Dec 31, 2010

**Authors**: Darja Kanduc

**Study Type**: In Vitro Study

**Diseases**: Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil): CK(347) : AC(58)
The psychic reactions following injections of bacterial vaccines.

Pubmed Data: Int Arch Allergy Appl Immunol. 1950;1(3):226-43. PMID: 14794265
Authors: J ILAVSKY
Study Type: Human: Case Report
Additional Links
Diseases: Psychiatric Disorders: CK(123) : AC(31), Vaccine-induced Toxicity: CK(1356) : AC(210)
Additional Keywords: Bacterial Vaccines: CK(3) : AC(1)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438)

The risk of adverse events from the pertussis vaccine outweighed the risk of pertussis infection.

Article Published Date: Jan 01, 1985
Authors: G T Stewart
Study Type: Meta Analysis
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210), Whooping Cough: CK(147) : AC(22)
Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Pertussis: CK(158) : AC(26)

The symptoms observed in this study can be explained by abnormal peripheral sympathetic responses.

Article Published Date: Dec 31, 2013
Authors: Tomomi Kinoshita, Ryu-Ta Abe, Akiyo Hineno, Kazuhiro Tsunekawa, Shunya Nakane, Shu-Ichi Ikeda
Study Type: Human Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: HPV (Gardasil): CK(347) : AC(58)

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

Article Published Date: May 01, 2010
The vaccination of pregnant sheep resulted in abortions and hydranencephaly.

**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**


**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Animal Model : CK(41) : AC(17)

The vaccine adjuvant thimerosal induces adverse changes in the cerebellum of mice, lending plausibility to the association between autism and low-dose mercury exposure.

**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(228) : AC(178), Vaccine-induced Toxicity : CK(1356) : AC(210)

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

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

There has been a five-fold increase in pediatric parapneumonic empyema since introduction of pneumococcal conjugate vaccine.


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

**Authors**: Debra J Hendrickson, Dean A Blumberg, Jesse P Joad, Sanjay Jhawar, Ruth J McDonald
There is a highly statistically significant correlation between increasing number of vaccine doses and increasing infant mortality rates.

**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


**Anti Therapeutic Actions**: Vaccination: All: CK(5147): AC(438)

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


**Article Published Date**: Jan 01, 2011

**Authors**: Gayle Delong

**Study Type**: Human Study


**Anti Therapeutic Actions**: Vaccination: All: CK(5147): AC(438)

There is evidence supporting an association between increasing organic-Hg exposure from Thimerosal-containing childhood vaccines and the subsequent risk of an ASD.


**Article Published Date**: Dec 31, 2012

**Authors**: David A Geier, Brian S Hooker, Janet K Kern, Paul G King, Lisa K Sykes, Mark R Geier

**Study Type**: Human Study
There is evidence that a DNA vaccine exhibits anti-fertility properties.


**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

**Additional Links**

**Diseases**: Infertility : CK(728) : AC(152), Vaccination: Abortion : CK(40) : AC(13), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Plasmid DNA Vaccines : CK(3) : AC(2)

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

**Pubmed Data**: Vaccine. 2010 Sep 23. Epub 2010 Sep 23. PMID: [20869467](https://pubmed.ncbi.nlm.nih.gov/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(110) : AC(18), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: HPV (Gardasil) : CK(347) : AC(58)

These findings demonstrates that vaccination of the commercial live vaccines might be a potential new route for ALV-J transmission in chickens.


**Article Published Date**: Jul 31, 2018

**Authors**: P Wang, L Lin, H Li, M Shi, Z Gu, P Wei

**Study Type**: Animal Study

**Additional Links**
These results suggest that myelin basic protein in vaccines may play a decisive role in the production of post-vaccinal encephalomyelitis.

Pubmed Data: J Neurol Sci. 1989 Nov;93(2-3):221-30. PMID: [2480399]
Article Published Date: Oct 31, 1989
Authors: R S Javier, T Kunishita, F Koike, T Tabira
Study Type: In Vitro Study
Additional Links
Diseases: Encephalomyelitis: CK(24) : AC(15), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Rabies: CK(10) : AC(5)

Thimerosal had a proapoptotic effect on primary human lymphocytes at concentrations 100 times less to those contained in the multidose vaccine.

Article Published Date: Dec 31, 2013
Authors: Emily Loison, Béatrice Poirier-Beaudouin, Valérie Seffer, Audrey Paoletti, Vered Abitbol, Eric Tartour, Odile Launay, Marie-Lise Gougeon
Study Type: Animal Study, In Vitro Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Influenza: CK(521) : AC(64)
Problem Substances: Thimerosal: CK(757) : AC(85)
Adverse Pharmacological Actions: Apoptotic: CK(8) : AC(7), Immunotoxic: CK(338) : AC(66)

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

Article Published Date: Mar 01, 2004
Authors: David A Geier, Mark R Geier
Study Type: Meta Analysis
Additional Links
Diseases: Autism: CK(617) : AC(73), Autism Spectrum Disorders: CK(1493) : AC(159), Vaccine-
Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination.


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

Diseases: Arthritis: Juvenile Idiopathic : CK(20) : AC(2), Vaccine-induced Toxicity : CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

This analysis confirmed higher concentrations of endotoxin in whole-cell DTP vaccines compared with DTaP or DT vaccines.

Pubmed Data: Ann Pharmacother. 2002 May ;36(5):776-80. PMID: 11978151

Article Published Date: Apr 30, 2002

Authors: David A Geier, Mark R Geier

Study Type: In Vitro Study

Additional Links

Diseases: Endotoxemia : CK(83) : AC(43), Vaccine-induced Toxicity : CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36)

This case presents a rare glimpse into hypersensitivity vasculitis that may result from varicella vaccine administration.


Article Published Date: Aug 19, 2018

Authors: Vikram Puram, Danielle Lyon, Nedaa Skeik

Study Type: Human: Case Report

Additional Links
This case report describes an acute onset of small fiber neuropathy potentially related to human papillomavirus vaccine administration.


Article Published Date: Aug 31, 2016
Authors: Jafar Kafaie, Minsoo Kim, Erik Krause
Study Type: Human: Case Report

This case report is the first of a lichenoid drug eruption in a child after human papillomavirus vaccination.


Article Published Date: Feb 28, 2015
Authors: Mary E Laschinger, Rachel A Schleichert, Brian Green
Study Type: Human: Case Report

This case serves to increase awareness of the association of vaccine-mediated myocarditis in the month after immunization.


Article Published Date: Feb 29, 2012
Authors: Charles L Taylor, Robert E Eckart
Study Type: Human: Case Report

This investigation showed an increased proportion of allergy-related adverse events following influenza.
This patient developed optic neuritis about five days after being given a dose of MMR vaccine.

This report serves to document a case of CNS demyelination occurring 24h after influenza vaccination in a middle-aged patient.

This reports a case of a male patient that presented two
This review concludes that vaccines alter adaptive immune cell populations and heterologous immune responses.

This study found an increase in adverse events after the routine immunization of extremely low-birth-weight infants in the NICU.
This study observed a temporal association between occurrence of Bell’s palsy and receipt of MenACWY-CRM concomitantly with other vaccines.

Pubmed Data: Pediatrics. 2017 Jan;139(1). PMID: 28025240
Article Published Date: Dec 31, 2016
Authors: Hung-Fu Tseng, Lina S Sy, Bradley K Ackerson, Rulin C Hechter, Sara Y Tartof, Mendel Haag, Jeffrey M Slezak, Yi Luo, Christine A Fischetti, Harp S Takhar, Yan Miao, Marianne Cunnington, Zendi Solano, Steven J Jacobsen
Study Type: Human Study
Additional Links

This temporal association strongly suggests that acute cerebellar ataxia was induced by the vaccination.

Article Published Date: Sep 30, 2013
Authors: Chihiro Yonee, Mitsuo Toyoshima, Yoshihiro Maegaki, Yuichi Kodama, Hiroshi Hayami, Yukitoshi Takahashi, Susumu Kusunoki, Ayumi Uchibori, Atsuro Chiba, Yoshifumi Kawano
Study Type: Human: Case Report
Additional Links
Anti Therapeutic Actions: Vaccination: HPV (Gardasil): CK(347): AC(58)

Thrombocytopenic purpura following vaccination in early childhood has been reported.

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

Timing of routine immunisations (earlier = increased) and
subsequent hay fever risk.


**Article Published Date**: May 31, 2005

**Authors**: S A Bremner, I M Carey, S DeWilde, N Richards, W C Maier, S R Hilton, D P Strachan, D G Cook

**Study Type**: Human Study

**Additional Links**

**Diseases**: Allergic Rhinitis: CK(392) : AC(52), Immune Dysregulation: TH1/TH2 imbalance: CK(171) : AC(45), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus: CK(315) : AC(36)

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**Toxic adjuvants alter the function and phenotype of dendritic cells to initiate adaptive immune responses induced by oral Helicobacter pylori vaccines.**


**Article Published Date**: Sep 10, 2018

**Authors**: Shuanghui Luo, Wei Liu, Zhiqin Zeng, Feng Ye, Chupeng Hu, Ningyin Xu, An Huang, Tao Xi, Yingying Xing

**Study Type**: In Vitro Study

**Additional Links**

**Diseases**: Inflammation: CK(3240) : AC(882), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All: CK(5147) : AC(438)

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**Transient facial nerve paralysis (Bell's palsy) following administration of hepatitis B recombinant vaccine.**


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

**Authors**: R Paul, L F A Stassen

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Bell's Palsy: CK(13) : AC(3), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B: CK(468) : AC(64)

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**Transmissible spongiform encephalopathies may be passed iatrogenically through vaccines.**


**Article Published Date**: Jan 01, 2001

**Authors**: N R Cashman
### Transmission of yellow fever vaccine virus through breast-feeding.


**Article Published Date**: Feb 11, 2010

**Authors**:

**Study Type**: Human: Case Report

**Additional Keywords**:

- Vaccine Shedding : CK(31) : AC(4)

**Anti Therapeutic Actions**:

- Vaccination: Yellow Fever : CK(23) : AC(5)

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### Two of the largest randomized HPV vaccine trials unveiled more severe adverse events in the tested HPV vaccine arm of the study.


**Article Published Date**: Jul 19, 2017

**Authors**: Manuel Martínez-Lavín, Luis Amezcua-Guerra

**Study Type**: Meta Analysis

**Additional Keywords**:

- Risk Factors : CK(3057) : AC(392)

**Anti Therapeutic Actions**:

- Vaccination: HPV (Gardasil) : CK(347) : AC(58)

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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.

**Pubmed Data**: Indian J Dermatol Venereol Leprol. 2008 May-Jun;74(3):251-3. PMID: [18583795](https://www.ncbi.nlm.nih.gov/pubmed/18583795)

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

**Authors**: Sarvjit Kaur, Sanjeev Handa

**Study Type**: Human Study

**Additional Keywords**:

- Erythema : CK(74) : AC(9)

**Anti Therapeutic Actions**:

- Vaccination: All : CK(5147) : AC(438)
- Vaccination: Hepatitis B : CK(468)
Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants.


**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(123) : AC(23), Vaccine-induced Toxicity : CK(1356) : AC(210), Whooping Cough : CK(147) : AC(22)

**Additional Keywords**: Reservoirs For Infection : CK(10) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Pertussis : CK(158) : AC(26)

Vaccination against novel H1N1 may accelerate atherogenesis (heart disease).


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

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

**Study Type**: Commentary

**Diseases**: H1N1 Infection : CK(583) : AC(113), Swine Flu Associated Virus : CK(187) : AC(43), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

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


**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(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)
Vaccination can precipitate lupus erythematosus.

Article Published Date : Dec 01, 1999
Authors : S A Older, D F Battafarano, R J Enzenauer, A M Krieg
Study Type : Human Study
Additional Links
Diseases : Systemic Lupus Erythematosus : CK(466) : AC(67), Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438)

Vaccination for contraception.

Article Published Date : Jun 01, 1994
Authors : W R Jones
Study Type : Review
Additional Links
Diseases : Vaccine-induced Toxicity : CK(1356) : AC(210)
Anti Therapeutic Actions : Vaccination: All : CK(5147) : AC(438), Vaccination: Anti-Fertility : CK(1) : AC(1)

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.

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(5147) : AC(438), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

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

Article Published Date : Jan 01, 1995
**Vaccination is associated with thrombocytopenic purpura in children.**


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

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

**Study Type**: Human Study

**Additional Links**

**Diseases**: Purpura: Thrombocytopenic : CK(234) : AC(26), Thrombocytopenia : CK(234) : AC(26), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

Vaccination is associated with a rare autoimmune neurological condition transverse myelitis.

**Pubmed Data**: Lupus. 2009 Nov;18(13):1198-204. PMID: [19880568](https://pubmed.ncbi.nlm.nih.gov/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(42) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus : CK(315) : AC(36), Vaccination: Hepatitis B : CK(468) : AC(64), Vaccination: Mumps-Measles-Rubella (MMR) : CK(276) : AC(37)

Vaccination is associated with an increased risk for hemolytic anemia.


**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(34) : AC(6), Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Diphtheria-
Vaccination may be contributing to autoimmune disease.

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

Additional Links

Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)

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

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

Additional Links


Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).

Article Published Date: Nov 30, 2014
Authors: Annette Langer-Gould, Lei Qian, Sara Y Tartof, Sonu M Brara, Steve J Jacobsen, Brandon E Beaber, Lina S Sy, Chun Chao, Rulin Hechter, Hung Fu Tseng
**Vaccination of pregnant monkeys resulted in abortions in 2 out of 25.**


**Article Published Date** : Apr 01, 1991

**Authors** : A Escajadillo, J K Frenkel

**Study Type** : Animal Study

**Additional Links**


**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438), Vaccination: Animal Model : CK(41) : AC(17)

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**Vaccination of preterm infants by polyvalent vaccines: immunogenicity and safety review of literature.**

**Pubmed Data** : Dev Period Med. 2014 Jul-Sep;18(3):360-6. PMID: **25182401**

**Article Published Date** : Jun 30, 2014

**Authors** : Hanna Czajka, Ryszard Lauterbach, Dorota Pawlik

**Study Type** : Review

**Additional Links**

**Diseases** : Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions** : Vaccination: All : CK(5147) : AC(438)

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**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.**

**Pubmed Data** : Pediatr Infect Dis J. 2010 Oct;29(10):919-923. PMID: **20442687**

**Article Published Date** : Oct 01, 2010

**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
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


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

**Authors** : Charles W LeBaron, Daoling Bi, Bradley J Sullivan, Carol Beck, Paul Gargiullo

**Study Type** : Human Study

**Vaccine-associated measles has been identified in Zhejiang.**


**Article Published Date** : Sep 30, 2017

**Authors** : Chang-Ping Xu, Min-Hong Li, Han-Qing He, Yi-Yu Lu, Yan Feng

**Study Type** : Human Study

**Vaccine-derived poliovirus may become pathogenic in complex viral ecosystems, through frequent recombination events and mutations.**


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

**Authors** : Marie-Line Joffret, Sophie Jégouic, Mael Bessaud, Jean Balanant, Coralie Tran, Valerie Caro, Barbara Holmblat, Richter Razafindratsimandresy, Jean-Marc Reynes, Mala Rakoto-Andrianarivelo, Francis Delpeyroux

**Study Type** : Review
Vaccine-induced autoimmunity: the role of molecular mimicry and immune crossreaction.

Article Published Date: Mar 04, 2018
Authors: Yahel Segal, Yehuda Shoenfeld
Study Type: Review

Vaccine-induced scrapie has been reported in animals.

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

Vaccine-induced uveitis is rare and difficult to distinguish from coincidental autoimmune disease.

Pubmed Data: Ophthalmic Surg Lasers Imaging Retina. 2015 Oct;46(9):967-70. PMID: 26469238
Article Published Date: Sep 30, 2015
Authors: Kunal K Dansingani, Mihoko Suzuki, Jonathan Naysan, C Michael Samson, Richard F Spaide, Yale L Fisher
Study Type: Human: Case Report
Vaccines and flu shots containing mercury may contribute to severe neurological diseases and/or death in children.


**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(5147) : AC(438)

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Vaccines with Thimerosal led to more adverse events in this study.

**Pubmed Data**: Pediatr Infect Dis J. 2015 Jan;34(1):79-83. PMID: 25036048

**Article Published Date**: Dec 31, 2014

**Authors**: Nguyen Trong Hieu, Michal Sarnecki, Jeroen Tolboom

**Study Type**: Human Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Risk Factors: CK(3057) : AC(392)

**Anti Therapeutic Actions**: Vaccination: Hepatitis B: CK(468) : AC(64)

**Problem Substances**: Thimerosal: CK(757) : AC(85)

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We consider it likely that pandemrix vaccination contributed to the increased incidence of narcolepsy in Finland in 2010 in HLA DQB1*0602 positive children.


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

**Authors**: Markku Partinen, Outi Saarenpää-Heikkilä, Ismo Ilveskoski, Christer Hublin, Miika Linna, Päivi Olsén, Pekka Nokelainen, Reija Alén, Tiina Wallden, Merimaaria Espo, Harri Rusanen, Jan Olme, Heli Sätilä, Harri Arikka, Pekka Kaipainen, Ilkka Julkunen, Turkka Kirjavainen

**Study Type**: Human Study

**Additional Links**

**Diseases**: Narcolepsy: CK(41) : AC(5), Vaccine-induced Toxicity: CK(1356) : AC(210)

**Additional Keywords**: Genomic Variation: CK(143) : AC(18), Increased Risk: CK(1600) : AC(192)
**Whole cell pertussis vaccines may have been causing serious neurological disorders.**

*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*
*Diseases*: Infant Infections : CK(410) : AC(44), Infant Neurological Development : CK(58) : AC(9), Vaccine-induced Toxicity : CK(1356) : AC(210)
*Anti Therapeutic Actions*: Vaccination: All : CK(5147) : AC(438), Vaccination: Pertussis : CK(158) : AC(26)

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**Zinc supplementation has a beneficial effect on malaise, one of the influenza vaccine associated adverse events, and decrease serum TNF-α levels.**

*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*
*Substances*: Zinc : CK(1031) : AC(154)
*Diseases*: Vaccine-induced Toxicity : CK(1356) : AC(210)
*Pharmacological Actions*: Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(1823) : AC(669)
*Anti Therapeutic Actions*: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

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**Vaccinia virus (AC 15) (CK 73)**

**Accidental vaccinia of the vulva.**

*Article Published Date*: Jan 31, 1976
*Authors*: S Haim
Accidental vaccinia vulva vaginitis.

Article Published Date: Aug 31, 1980
Authors: G Kanra, V M Sezer, N Gürses, G Secmeer, O Oran

Adverse events following smallpox vaccination with ACAM2000 in a military population have been reported.

Article Published Date: Jun 01, 2010
Authors: Thomas M Beachkofsky, Scott C Carrizales, Jeffrey J Bidinger, David E Hrncir, Darren E Whittemore, Chad M Hivnor

At least 10% of control subjects continued to shed vaccinia virus at day 28, and 3.4% continued to shed the virus at day 42.

Article Published Date: Jun 11, 2015
Authors: Phillip R Pittman, Patrick M Garman, Sung-Han Kim, Trevor J Schmader, William J Nieding, Jason G Pike, Ryan Knight, Sara C Johnston, John W Huggins, Mark G Kortepeter, Lawrence Korman, Manmohan Ranadive, Xiaofei Quinn, Mitchell S Meyers
Eczema vaccinatum resulting from the transmission of vaccinia virus from a smallpox vaccine.


**Article Published Date** : Jan 13, 2009

**Authors** : Edith Lederman, Roque Miramontes, John Openshaw, Victoria A Olson, Kevin L Karem, John Marcinak, Rodrigo Panares, Wayne Staggs, Donna Allen, Stephen G Weber, Surabhi Vora, Susan I Gerber, Christine M Hughes, Russell Regnery, Limone Collins, Pamela S Diaz, Mary G Reynolds, Inger Damon

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Vaccinia virus : CK(27) : AC(6)

**Additional Keywords** : Vaccine Shedding : CK(31) : AC(4)

**Anti Therapeutic Actions** : Vaccination: Smallpox : CK(74) : AC(9)

Secondary and tertiary transmission of vaccinia virus after sexual contact with a smallpox vaccinee.


**Article Published Date** : Feb 28, 2013

**Authors** :

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Vaccinia virus : CK(27) : AC(6)

**Additional Keywords** : Vaccine Shedding : CK(31) : AC(4)

**Anti Therapeutic Actions** : Vaccination: Smallpox : CK(74) : AC(9)

Severe eczema vaccinatum in a household contact of a smallpox vaccinee.

**Pubmed Data** : Clin Infect Dis. 2008 May 15 ;46(10):1555-61. PMID: 18419490

**Article Published Date** : May 14, 2008

**Authors** : Surabhi Vora, Inger Damon, Vincent Fulginiti, Stephen G Weber, Madelyn Kahana, Sarah L Stein, Susan I Gerber, Sylvia Garcia-Houchins, Edith Lederman, Dennis Hruby, Limone Collins, Dorothy Scott, Kenneth Thompson, John V Barson, Russell Regnery, Christine Hughes, Robert S Daum, Yu Li, Hui Zhao, Scott Smith, Zach Braden, Kevin Karem, Victoria Olson, Whitni Davidson, Giliane Trindade, Tove Bolken, Robert Jordan, Debbie Tien, John Marcinak

**Study Type** : Human: Case Report

**Additional Links**

**Diseases** : Vaccinia virus : CK(27) : AC(6)

**Additional Keywords** : Vaccine Shedding : CK(31) : AC(4)
Smallpox vaccine caused iatrogenic vaccinia in children in Russia.


Article Published Date: Mar 01, 2001


Study Type: Human Study


Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Smallpox : CK(74) : AC(9)

Three cases of cross-infection after smallpox vaccination are described.


Article Published Date: May 25, 1979

Authors: G C Du Mont, R C Beach

Study Type: Human: Case Report

Diseases: Vaccinia virus : CK(27) : AC(6)

Additional Keywords: Vaccine Shedding : CK(31) : AC(4)

Anti Therapeutic Actions: Vaccination: Smallpox : CK(74) : AC(9)

Transmission of vaccinia virus, possibly through sexual contact, to a woman at high risk for adverse complications.


Article Published Date: Nov 30, 2013

Authors: Maria A Said, Charles Haile, Venkataraman Palabindala, Naomi Barker, Robert Myers, Ruth Thompson, Lucy Wilson, Frances Allan-Martinez, Jay Montgomery, Benjamin Monroe, Danielle Tack, Mary Reynolds, Inger Damon, David Blythe

Study Type: Human Study

Diseases: Vaccinia virus : CK(27) : AC(6)

Additional Keywords: Vaccine Shedding : CK(31) : AC(4)

Anti Therapeutic Actions: Vaccination: Smallpox : CK(74) : AC(9)
Two cases of conjugal contact transfer vaccinia are described.


**Article Published Date**: Aug 31, 2004

**Authors**: Michael F Lorich, Sidney B Smith, G Todd Bessinger, Joseph W Olivere

**Study Type**: Human: Case Report

**Diseases**: Vaccinia virus : CK(27) : AC(6)

**Additional Keywords**: Vaccine Shedding : CK(31) : AC(4)

**Anti Therapeutic Actions**: Vaccination: Smallpox : CK(74) : AC(9)

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Vaccinia virus infection after sexual contact with a military smallpox vaccinee.


**Article Published Date**: Jul 01, 2010

**Authors**: 

**Study Type**: Human: Case Report

**Diseases**: Vaccinia virus : CK(27) : AC(6)

**Additional Keywords**: Vaccine Shedding : CK(31) : AC(4)

**Anti Therapeutic Actions**: Vaccination: Smallpox : CK(74) : AC(9)

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Vaccinia virus infections can be transmissible and can cause severe complications in those with weakened immune systems.


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

**Authors**: Christine M Hughes, David Blythe, Yu Li, Ramani Reddy, Carol Jordan, Cindy Edwards, Celia Adams, Holly Conners, Catherine Rasa, Sue Wilby, Jamaal Russell, Kelly S Russo, Patricia Somsel, Danny L Wiedbrauk, Cindy Dougherty, Christopher Allen, Mike Frace, Ginny Emerson, Victoria A Olson, Scott K Smith, Zachary Braden, Jason Abel, Whitni Davidson, Mary Reynolds, Inger K Damon

**Study Type**: Human: Case Report

**Diseases**: Smallpox : CK(26) : AC(5), Vaccinia virus : CK(27) : AC(6)

**Additional Keywords**: Adverse Events : CK(37) : AC(7), Vaccine Stain : CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: Smallpox : CK(74) : AC(9)
**Vulvar vaccinia infection after sexual contact with a military smallpox vaccinee in Alaska.**


*Article Published Date*: May 03, 2007

*Authors*:

*Study Type*: Human: Case Report

*Additional Links*

*Diseases*: Vaccinia virus: CK(27) : AC(6)

*Additional Keywords*: Vaccine Shedding : CK(31) : AC(4)

*Anti Therapeutic Actions*: Vaccination: Smallpox : CK(74) : AC(9)

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**Vulvar vaccinia infection after sexual contact with a smallpox vaccinee.**


*Article Published Date*: Mar 31, 2009

*Authors*: Christina A Muzny, Heather King, Paul Byers, Mary Currier, Rathel Nolan, Leandro Mena

*Study Type*: Human: Case Report

*Additional Links*

*Diseases*: Vaccinia virus: CK(27) : AC(6)

*Anti Therapeutic Actions*: Vaccination: Smallpox : CK(74) : AC(9)

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**Varicella (AC 5) (CK 43)**

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


*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*

Near complete vaccination coverage for varicella does not prevent outbreaks in those treated.


**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(5147) : AC(438), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Secondary transmission of varicella vaccine virus in a chronic care facility for children.


**Article Published Date**: May 31, 2006

**Authors**: Richard Grossberg, Rafael Harpaz, Elena Rubtcova, Vladimir Loparev, Jane F Seward, D Scott Schmid

**Study Type**: Human: Case Report

**Additional Links**

**Diseases**: Varicella : CK(50) : AC(5)

**Additional Keywords**: Vaccine Shedding : CK(31) : AC(4)

**Anti Therapeutic Actions**: Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

Vaccination for rabies, varicella or Lyme disease may result in acute or subacute post-vaccination small fiber neuropathy.


**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(5147) : AC(438), Vaccination: Lyme disease : CK(11) : AC(2), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)
**Varicella outbreaks occur in vaccinated populations, even when receiving 2 doses.**

**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(5147) : AC(438), Vaccination: Varicella (Chicken pox) : CK(177) : AC(22)

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**Vasculitis (AC 6) (CK 28)**

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


**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(1356) : AC(210), Vasculitis : CK(48) : AC(11)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: BCG (Tuberculosis) : CK(34) : AC(5)

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**A case of influenza vaccine induced have necrotizing glomerulonephritis in decursu vasculitis has been reported.**


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

**Authors**: Lidia Hyla-Klekot, Grażyna Kucharska, Witold Cieslak

**Study Type**: Human: Case Report
Hepatitis B vaccination significantly increases the risk of a wide range of autoimmune diseases.


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

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

**Study Type** : Human Study

**Additional Links**

**Diseases** :
- Alopecia : CK(146) : AC(32)
- Arthritis : CK(1964) : AC(312)
- Hepatitis B : CK(241) : AC(46)
- Lupus Erythematosus: Systemic : CK(486) : AC(69)
- Optic Neuritis : CK(39) : AC(6)
- Rheumatoid Arthritis : CK(745) : AC(125)
- Thrombocytopenia : CK(234) : AC(26)
- Vasculitis : CK(48) : AC(11)

**Anti Therapeutic Actions** :
- Vaccination: All : CK(5147) : AC(438)
- Vaccination: Hepatitis B : CK(468) : AC(64)

Influenza vaccines may be causing vasculitis.


**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(1356) : AC(210)
- Vasculitis : CK(48) : AC(11)

**Anti Therapeutic Actions** :
- Vaccination: All : CK(5147) : AC(438)
- Vaccination: Influenza : CK(521) : AC(64)

Influenza vaccines may induce hepatitis-B virus-related vasculitis and severe neuropathy.


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

**Authors** : Yuko Wada, Chie Yanagihara, Yo Nishimura, Nobuyuki Oka

**Study Type** : Commentary

**Additional Links**

**Diseases** :
- Peripheral Neuropathies : CK(218) : AC(37)
- Vasculitis : CK(48) : AC(11)

**Anti Therapeutic Actions** :
- Vaccination: All : CK(5147) : AC(438)
- Vaccination: Influenza : CK(521) : AC(64)
Vaccination may contribute to causing a wide variety of autoimmune disorders.


Article Published Date: Feb 01, 2010

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

Study Type: Commentary

Additional Links


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Viremia (AC 1) (CK 10)

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


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(113) : AC(12), Viremia: CK(10) : AC(1)

Anti Therapeutic Actions: Vaccination: All: CK(5147) : AC(438), Vaccination: Varicella (Chickenpox): CK(177) : AC(22)
Antibody titers for all HPV strains were significantly higher among those with lower vitamin D levels and among younger participants.

Pubmed Data: Hum Vaccin Immunother. 2015 Jul 15:0. Epub 2015 Jul 15. PMID: 26176493
Article Published Date: Jul 14, 2015
Authors: Richard K Zimmerman, Chyongchiou Jeng Lin, Jonathan M Raviotta, Mary Patricia Nowalk
Study Type: Human Study

Whooping Cough (AC 18) (CK 123)

"Primary infections with either B. pertussis or Bordetella parapertussis stimulated a vigorous antibody response to ACT. In contrast, patients in whom DTP and DTaP vaccines failed had minimal ACT antibody responses."

Article Published Date: Feb 14, 2004
Authors: James D Cherry, Dorothy X L Xing, Penny Newland, Kashmira Patel, Ulrich Heininger, Michael J Corbel
Study Type: Human Study
A case report of a 5-year-old, fully immunized boy with PCR proven consecutive B. pertussis and B. parapertussis infections.

Article Published Date: Jul 05, 2016
Authors: Ulrich Heininger, Detlef Schlassa
Study Type: Human: Case Report
Additional Links
Anti Therapeutic Actions: Vaccination: Pertussis: CK(158): AC(26)

All children who were primed by DTaP vaccines will be more susceptible to pertussis throughout their lifetimes.

Article Published Date: Feb 21, 2019
Authors: James D Cherry
Study Type: Review
Additional Links
Diseases: Whooping Cough: CK(147): AC(22)
Additional Keywords: Increased Risk: CK(1600): AC(192)

Asymptomatic transmission is the most parsimonious explanation for many of the observations surrounding the resurgence of B. pertussis in the US and UK.

Article Published Date: Dec 31, 2014
Authors: Benjamin M Althouse, Samuel V Scarpino
Study Type: Commentary
Additional Links
Diseases: Whooping Cough: CK(147): AC(22)
Additional Keywords: Asymptomatic Transmission: CK(1): AC(1)
Anti Therapeutic Actions: Vaccination: Pertussis: CK(158): AC(26)

Bordetella pertussis strains that are pertactin negative
have a greater ability of to colonize acellular vaccine immunised mice.

Pubmed Data : Vaccine. 2015 Oct 2. Epub 2015 Oct 2. PMID: 26432908
Article Published Date : Oct 01, 2015
Authors : Azadeh Safarchi, Sophie Octavia, Laurence Don Wai Luu, Chin Yen Tay, Vitali Sintchenko, Nicholas Wood, Helen Marshall, Peter McIntyre, Ruiting Lan
Study Type : Animal Study
Diseases : Whooping Cough : CK(147) : AC(22)
Additional Keywords : Risk Factors : CK(3057) : AC(392)
Anti Therapeutic Actions : Vaccination: Pertussis : CK(158) : AC(26)

Both whole-cell and acellular pertussis vaccines are effective at reducing disease severity but not transmission, resulting in outbreaks in vaccinated cohorts.

Article Published Date : Oct 31, 2015
Authors : Shelly Bolotin, Eric T Harvill, Natasha S Crowcroft
Study Type : Review
Diseases : Whooping Cough : CK(147) : AC(22)
Anti Therapeutic Actions : Vaccination: Pertussis : CK(158) : AC(26)

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

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(123) : AC(23), Whooping Cough : CK(147) : AC(22)
Lactobacillus bulgaricus contains a substance which may improve immunogenicity and reduce the toxicity of pertussis vaccination (whooping cough vaccine).


**Article Published Date**: Jan 01, 1986

**Authors**: I B Shepeleva, N S Zakharova, T N Remova, I G Bazhanova, M V Britsina

**Study Type**: Animal Study

**Substances**: Lactobacilius bulgaricus

**Diseases**: Pertussis, Whooping Cough

**Additional Keywords**: Vaccine Side Effect Attenuation

**Anti Therapeutic Actions**: Vaccination: Pertussis

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**Article Published Date**: Jan 31, 2019

**Authors**: Alex-Mikael Barkoff, Jussi Mertsola, Denis Pierard, Tine Dalby, Silje Vermedal Hoegh, Sophie Guillot, Paola Stefanelli, Marjolein van Gent, Guy Berbers, Didrik Vestrheim, Margrethe Greve-Isdahl, Lena Wehlin, Margaretha Ljungman, Norman K Fry, Kevin Markey, Qiushui He

**Study Type**: Meta Analysis

**Diseases**: Pertussis, Whooping Cough

**Anti Therapeutic Actions**: Vaccination: Pertussis

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

**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

**Diseases**: Pertussis, Whooping Cough

**Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus

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Pertussis vaccination and asthma: is there a link?
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.

The risk of adverse events from the pertussis vaccine outweighed the risk of pertussis infection.

The study results can be interpreted as a partial genetic escape of pathogenic strains of B. pertussis beyond the reach of the pertussis vaccines.
These results suggest that the immune pressure of vaccination is one major driving force for the evolution of *B. pertussis*.

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This study demonstrated the differences between natural *B. pertussis* immune response and vaccine induced immune response.

This study demonstrated the differences between natural *B. pertussis* immune response and vaccine induced immune response.

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

Vaccinated children and adults may serve as reservoirs for silent pertussis infection and become potential transmitters to unprotected infants.
Vaccinated siblings are important pertussis sources in infants 6 months of age and under.

*Publications*

- **Article Published Date**: Sep 29, 2014
- **Authors**: Christina Bertilone, Tania Wallace, Linda A Selvey
- **Study Type**: Human Study
- **Additional Links**
  - **Diseases**: Pertussis: CK(123): AC(23)
  - **Additional Keywords**: Reservoirs For Infection: CK(10): AC(1)
  - **Anti Therapeutic Actions**: Vaccination: All: CK(5147): AC(438)

**Yellow Fever (AC 1) (CK 1)**

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.

*Publications*

- **Pubmed Data**: Expert Rev Vaccines. 2012 Apr;11(4):427-48. PMID: [22551029](https://doi.org/10.1586/14760584.11.4.427)
- **Article Published Date**: Apr 01, 2012
- **Authors**: Thomas P Monath
- **Study Type**: Review
- **Additional Links**
  - **Diseases**: Vaccine-induced Toxicity: CK(1356): AC(210)
  - **Additional Keywords**: Vaccine Shedding: CK(31): AC(4)
  - **Anti Therapeutic Actions**: Vaccination: Diphtheria-Pertussis-Tetanus: CK(315): AC(36)
Zika Virus (AC 1) (CK 10)

There are conditions under which vaccination against dengue can significantly increase the Zika outbreak peaks.

Authors: Biao Tang, Yanni Xiao, Jianhong Wu
Study Type: Human Study
Additional Links
Diseases: Zika Virus: CK(1) : AC(1)
Additional Keywords: Increased Risk: CK(1600) : AC(192)
Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438)

Category: Adverse Pharmacological Actions

Apoptotic (AC 1) (CK 2)

Thimerosal had a proapoptotic effect on primary human lymphocytes at concentrations 100 times less to those contained in the multidose vaccine.

Authors: Emily Loison, Béatrice Poirier-Beaudouin, Valérie Seffer, Audrey Paoletti, Vered Abitbol, Eric Tartour, Odile Launay, Marie-Lise Gougeon
Study Type: Animal Study, In Vitro Study
Additional Links
Diseases: Vaccine-induced Toxicity: CK(1356) : AC(210)
Hepatotoxic (AC 1) (CK 2)

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


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

Diseases: Liver Damage : CK(877) : AC(329), Vaccine-induced Toxicity : CK(1356) : AC(210)

Anti Therapeutic Actions: Vaccination: All : CK(5147) : AC(438), Vaccination: Hepatitis B : CK(468) : AC(64)

Problem Substances: Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)

Adverse Pharmacological Actions: Hepatotoxic : CK(335) : AC(96)

Immunoreactive (AC 1) (CK 1)

This review concludes that vaccines alter adaptive immune cell populations and heterologous immune responses.


Article Published Date: Feb 19, 2019

Authors: Nicole L Messina, Petra Zimmermann, Nigel Curtis

Study Type: Review

Additional Links

Diseases: All-Cause Mortality : CK(343) : AC(27), Vaccine-induced Toxicity : CK(1356) : AC(210)
**Immunosuppressive (AC 1) (CK 10)**

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


**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(547) : AC(83), Influenza : CK(789) : AC(123)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438), Vaccination: Influenza : CK(521) : AC(64)

**Adverse Pharmacological Actions**: Immunosuppressive : CK(181) : AC(34)

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**Immunotoxic (AC 8) (CK 58)**

"Yellow fever vaccination and increased relapse rate in travelers with multiple sclerosis."


**Article Published Date**: Oct 01, 2011

**Authors**: Mauricio F Farez, Jorge Correale

**Study Type**: Human Study

**Additional Links**
Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.


Article Published Date: Nov 01, 2011

Authors: Lucija Tomljenovic, Christopher A Shaw

Study Type: Human Study

Additional Links


Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438)

Problem Substances: Aluminum Hydroxide: CK(79): AC(18)


Autoimmunity following hepatitis B vaccine has been reported.

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

Article Published Date: Jan 31, 2012

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

Study Type: Human: Case Report

Additional Links


Anti Therapeutic Actions: Vaccination: Hepatitis B: CK(468): AC(64)

Adverse Pharmacological Actions: Immunotoxic: CK(338): AC(66)

Increased risk (4.4 fold) of noninfluenza respiratory virus infections associated with receipt of inactivated influenza vaccine.


Article Published Date: May 31, 2012

Authors: Benjamin J Cowling, Vicky J Fang, Hiroshi Nishiura, Kwok-Hung Chan, Sophia Ng, Dennis K M Ip, Susan S Chiu, Gabriel M Leung, J S Malik Peiris

Study Type: Human Study

Additional Links

Diseases: Upper Respiratory Infections: CK(1017): AC(122)

Additional Keywords: Vaccine Failure: CK(255): AC(32)
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.


**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(275) : AC(40), Macrophagic myofasciitis : CK(36) : AC(7), Pseudolymphoma : CK(3) : AC(1)

**Anti Therapeutic Actions**: Vaccination: All : CK(5147) : AC(438)

**Problem Substances**: Aluminum Hydroxide : CK(79) : AC(18), Vaccine Adjuvants : CK(594) : AC(118)

**Adverse Pharmacological Actions**: Immunotoxic : CK(338) : AC(66)

Thimerosal had a proapoptotic effect on primary human lymphocytes at concentrations 100 times less to those contained in the multidose vaccine.


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

**Authors**: Emily Loison, Béatrice Poirier-Beaudouin, Valérie Seffer, Audrey Paoletti, Vered Abitbol, Eric Tartour, Odile Launay, Marie-Lise Gougeon

**Study Type**: Animal Study, In Vitro Study

**Additional Links**

**Diseases**: Vaccine-induced Toxicity : CK(1356) : AC(210)

**Anti Therapeutic Actions**: Vaccination: Influenza : CK(521) : AC(64)

**Problem Substances**: Thimerosal : CK(757) : AC(85)

**Adverse Pharmacological Actions**: Apoptotic : CK(8) : AC(7), Immunotoxic : CK(338) : AC(66)

This was a case study in which 3 patients with autoimmune/auto-inflammatory syndrome induced by adjuvants (ASIA) after quadrivalent human
Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).

This was a case study in which 3 patients with autoimmune/auto-inflammatory syndrome induced by adjuvants (ASIA) after quadrivalent human papillomavirus vaccination (HPV).
papillomavirus vaccination (HPV).

**Pubmed Data**: Clin Exp Rheumatol. 2015 May 11. Epub 2015 May 11. PMID: [25962455](https://doi.org/10.1136/clinrheum.2015.243462)

**Article Published Date**: May 10, 2015

**Authors**: Juan-Manuel Anaya, Benjamin Reyes, Ana M Perdomo-Arciniegas, Bernardo Camacho-Rodríguez, Adriana Rojas-Villarraga

**Study Type**: Human Study

**Additional Links**

**Diseases**: Autoimmune/inflammatory syndrome induced by adjuvants (ASIA)

**Additional Keywords**: Risk Factors

**Anti Therapeutic Actions**: Vaccination: HPV (Gardasil)

**Problem Substances**: Vaccine Adjuvants

**Adverse Pharmacological Actions**: Immunotoxic, Inflammatory

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**Typhoid vaccination produced significant impairments in several measures of sleep continuity.**


**Article Published Date**: Aug 08, 2016

**Authors**: Ann L Sharpley, Charlotte M Cooper, Clare Williams, Beata R Godlewska, Philip J Cowen

**Study Type**: Human Study

**Additional Links**

**Diseases**: Circadian Dysregulation, Sleep Disorders

**Anti Therapeutic Actions**: Vaccination: All

**Adverse Pharmacological Actions**: Inflammatory

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**Interleukin-6 up-regulation (AC 1) (CK 10)**

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

**Pubmed Data**: Vaccine. 2011 Sep 20. Epub 2011 Sep 20. PMID: [21945263](https://doi.org/10.1016/j.vaccine.2011.08.082)

**Article Published Date**: Sep 20, 2011
Myotoxicity (AC 1) (CK 3)

Influenza vaccine has been reported to be a possible trigger of rhabdomyolysis induced acute renal failure in those taking statin drugs.


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(1638): AC(327)

Anti Therapeutic Actions: Vaccination: All: CK(5147): AC(438), Vaccination: Influenza: CK(521): AC(64)

Problem Substances: Statin Drugs: CK(4369): AC(517)

Adverse Pharmacological Actions: Myotoxicity: CK(327): AC(80)

Neurotoxic (AC 12) (CK 54)

Alhydrogel injected at low dose in mouse muscle may selectively induce long-term Al cerebral accumulation and neurotoxic effects.
Aluminum vaccine adjuvants appear to contribute to the rising prevalence of autism.

Brain translocation of aluminum particles is linked to a trojan horse mechanism previously described for infectious particles.
Measles vaccine and glyphosate-induced parkinsonism has been reported.

Article Published Date: Jun 01, 2003
Authors: Maria do Desterro Leiros da Costa, Lílian Regina Gonçalves, Egberto Reis Barbosa, Luiz Alberto Bacheschi
Study Type: Human: Case Report
Additional Links
Diseases: Glyphosate Toxicity: CK(76) : AC(30), Parkinsonian Disorders: CK(25) : AC(13), Vaccine-induced Toxicity: CK(1356) : AC(210)
Anti Therapeutic Actions: Vaccination: Measles: CK(252) : AC(31)
Problem Substances: Glyphosate: CK(502) : AC(160)
Adverse Pharmacological Actions: Neurotoxic: CK(1396) : AC(289)

Neonatal HBV vaccination of mice results in neurobehavioral impairments in early adulthood.

Article Published Date: Aug 01, 2016
Authors: Junhua Yang, Fangfang Qi, Yang Yang, Qunfang Yuan, Juntao Zou, Kaihua Guo, Zhibin Yao
Study Type: Animal Study
Additional Links
Anti Therapeutic Actions: Vaccination: Hepatitis B: CK(468) : AC(64)
Adverse Pharmacological Actions: Neurotoxic: CK(1396) : AC(289)

Repetitive administration of aluminium to neonatal mice in amounts comparable to those to children receive via routine vaccinations result in neurodisruptive effects.
The putative role of environmental aluminium in the development of chronic neuropathology in adults and children.

Thimerosal at concentrations relevant for infants exposure in vaccines is toxic to cultured human brain cells and to laboratory animals.

This study provides new evidence to confirm a significant relationship between exposure to thimerosal and increased diagnosis for delays in development.
**Vaccination of any type was associated with an increased risk of CNS ADS onset within the first 30 days after vaccination only in younger (<50 years) individuals (OR, 2.32; 95% CI, 1.18-4.57).**

**exposure to thimerosal during early postnatal life produces lasting alterations in the densities of brain opioid receptors along with other neuropahtological changes, which may disturb brain development.**
Obesogenic (AC 1) (CK 10)

Increased organic mercury exposure from Thimerosal-containing hepatitis B vaccines could lead to an increased risk of obesity diagnosis.

Article Published Date: Jun 30, 2016
Authors: David A Geier, Janet K Kern, Kristin G Homme, Lisa K Sykes, Mark R Geier
Study Type: Human Study
Additional Links
Diseases: Obesity : CK(2443) : AC(521)
Additional Keywords: Risk Factors : CK(3057) : AC(392)
Anti Therapeutic Actions: Vaccination: Hepatitis B : CK(468) : AC(64)
Problem Substances: Thimerosal : CK(757) : AC(85)
Adverse Pharmacological Actions: Obesogenic : CK(88) : AC(18)

Teratogenic (AC 1) (CK 10)

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

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(47) : AC(9), Birth Defects : CK(204) : AC(39), Vaccine-induced Toxicity : CK(1356) : AC(210)
Tumor necrosis factorα (TNFα) up-regulation (AC 2) (CK 20)

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

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(517): AC(438), Vaccination: Influenza: CK(521): AC(64)
Adverse Pharmacological Actions: Interleukin-6 up-regulation: CK(18): AC(5), Tumor necrosis factorα (TNFα) up-regulation: CK(55): AC(7)

Thirty-five percent of children with juvenile idiopathic arthritis experienced flare of the disease after vaccination.

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
Anti Therapeutic Actions: Vaccination: All: CK(517): AC(438), Vaccination: Influenza: CK(521): AC(64)
Adverse Pharmacological Actions: Tumor necrosis factor α (TNFα) up-regulation: CK(55): AC(7)

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