

Anaphylaxis

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Anaphylaxis is an acute systemic and severe Type I Hypersensitivity allergic reaction in humans and other mammals. The term comes from the Greek words $\alpha\lambda\alpha\lambda\alpha\sigma\iota\varsigma$ ana and $\phi\lambda\alpha\lambda\alpha\sigma\iota\varsigma$ phylaxis . Anaphylaxis occurs when a person or animal is exposed to a trigger substance, called an allergen, to which they have already become sensitized. Minute amounts of allergens may cause a life-threatening anaphylactic reaction. Anaphylaxis may occur after ingestion, skin contact, injection of an allergen or, in rare cases, inhalation. Anaphylactic shock, the most severe type of anaphylaxis, occurs when an allergic response triggers a quick release from mast cells of large quantities of immunological mediators leading to systemic vasodilation and edema of bronchial mucosa . Anaphylactic shock can lead to death in a matter of minutes if left untreated. An estimated 1.24% to 16.8% of the population of the United States is considered "at risk" for having an anaphylactic reaction if they are exposed to one or more allergens, especially penicillin and insect stings. Most of these people successfully avoid their allergens and will never experience anaphylaxis. Of those people who actually experience anaphylaxis, up to 1% may die as a result. Anaphylaxis results in fewer than 1,000 deaths per year in the U.S. . The most common presentation includes sudden cardiovascular collapse . Researchers typically distinguish between "true anaphylaxis" and "pseudo-anaphylaxis or an anaphylactoid reaction." The symptoms, treatment, and risk of death are identical, but "true" anaphylaxis is always caused directly by degranulation of mast cells or basophils that is mediated by immunoglobulin E , and pseudo-anaphylaxis occurs due to all other causes. The distinction is primarily made by those studying mechanisms of allergic reactions. ([From the Wikipedia article Anaphylaxis](#) .)

Recent Publications on Anaphylaxis:



- [Acute stent thrombosis in a sirolimus eluting stent after wasp sting causing acute myocardial infarction: a case report.](#)
INTRODUCTION: Hymenoptera venoms contain thrombogenic substances that... 18th November, 2009
Department of Cardiology, Ludwig-Maximilians-University Munich, Germany- Cases J. 2009 Aug 12;2:7800. ([DOI Direct Link](#))
- [State of the art and new horizons in the diagnosis and management of egg allergy.](#)
Egg allergy is one of the most frequent food allergies in children below... 17th November, 2009
Children's Hospital, Geneva University Hospitals, Geneva, Switzerland.- Allergy. 2009 Nov 12. ([DOI Direct Link](#))
- [The prophylaxis of infective endocarditis: a joint position study of the Italian Federation of Cardiologists and the Italian Society of Infectious and Tropical Diseases.](#)
BACKGROUND: Antibiotic prophylaxis of patients believed to be at a risk of... 17th November, 2009
aDivisione di Cardiologia, Ospedale Maria Vittoria di Torino, Italy- J Cardiovasc Med (Hagerstown).

- 2009 Nov 11. ([DOI Direct Link](#))
- [Measles vaccine adverse events reported in the mass vaccination campaign of Sichuan province, China from 2007 to 2008.](#)
The aim of this study was to characterize the adverse events of attenuated... 17th November, 2009
 Department of Paediatrics, West China Second Hospital, Sichuan University,- Vaccine. 2009 Nov 9. ([DOI Direct Link](#))
 - [\[Wheat-dependent, exercise-induced anaphylaxis.\]](#)
Wheat-dependent exercise-induced anaphylaxis (WDEIA) is a rare... 13th November, 2009
 Klinik fur Allergologie und Dermatologie, Universitätsklinikum RWTH- Hautarzt. 2009 Nov 13. ([DOI Direct Link](#))
 - [Allergy skin testing in predicting adverse reactions to fluorescein: a prospective clinical study.](#)
Abstract. Purpose: To evaluate allergy skin testing as a diagnostic tool... 13th November, 2009
 Allergy Clinical Research Centre, Allergy Unit, 2nd Department of- Acta Ophthalmol. 2009 Nov 10. ([DOI Direct Link](#))
 - [Postmortem Findings After Anaphylactic Reactions to Drugs in Turkey.](#)
AIMS:: To determine the frequency of anaphylactic deaths at autopsies... 11th November, 2009
 From the *Council of Forensic Medicine, Istanbul, Turkey; and- Am J Forensic Med Pathol. 2009 Nov 6. ([DOI Direct Link](#))
 - [\[The inhibition effect of a synthetic analogue of prostaglandin e1 to the provocation by aspirin in the patients of wdeia.\]](#)
Background: Exercise or aspirin intake enhances symptoms by increasing... 11th November, 2009
 Department of Dermatology, Hyogo Prefectural Kakogawa Hospital.- Arerugi. 2009 Oct;58(10):1418-25.
 - [\[Long-term management of patients experienced anaphylaxis.\]](#)
Background: Exercise or aspirin intake enhances symptoms by increasing... 11th November, 2009
 Department of Respiratory Medicine, Allergy Center, Saitama Medical- Arerugi. 2009 Oct;58(10):1395-400.
 - [Desensitization of ovalbumin-sensitized mice by repeated co-administrations of di-\(2-ethylhexyl\) phthalate and ovalbumin.](#)
ABSTRACT: BACKGROUND: The plasticizer di-(2-ethylhexyl) phthalate (DEHP)... 11th November, 2009
 National Research Centre for the Working Environment, Lerso Parkalle 105,- BMC Res Notes. 2009 Nov 9;2:225. ([DOI Direct Link](#))
 - [\[The roles for basophils in allergy\]](#)
Basophils are the least common granulocytes, and account for less than 1%... 11th November, 2009
 Department of Immune Regulation, Tokyo Medical and Dental University- Nippon Rinsho. 2009 Nov;67(11):2095-9.
 - [Mutation of tyrosine 145 of lymphocyte cytosolic protein 2 protects mice from anaphylaxis and arthritis.](#)
BACKGROUND: Lymphocyte cytosolic protein 2, also known as Src homology 2... 10th November, 2009
 Abramson Family Cancer Research Institute, University of Pennsylvania- J Allergy Clin Immunol. 2009 Nov;124(5):1088-98. ([DOI Direct Link](#))
 - [Two cases of wheat-dependent anaphylaxis induced by aspirin administration but not by exercise.](#)
Background. Aspirin and other nonsteroidal anti-inflammatory drugs... 6th November, 2009
 Department of Dermatology, Yokohama City University Medical Center,- Clin Exp Dermatol. 2009 Nov 19. ([DOI Direct Link](#))
 - [Monoclonal Antibodies in Allergy: Current Applications and Promising Trials.](#)
Allergic disorders, including asthma, allergic rhinoconjunctivitis, atopic... 6th November, 2009
 Marmara University, Division of Pediatric Allergy and Immunology,- Recent Pat Inflamm Allergy Drug Discov. 2009 Nov;3(3):201-210.

BioNews Results for Anaphylaxis

- [Hypersensitivity Therapy: Researchers from University of Wurzburg describe findings in hypersensitivity therapy](#)
NewsRX: Nov 21 2009 5:48AM Matching: anaphylaxis
- [GSK Recalls One Lot of H1N1 Vaccine Over Anaphylaxis Concerns](#)
FDA News: Nov 21 2009 4:47AM Matching: anaphylaxis
- [Food allergies among children is increasing: Study](#)
News-Medical.Net: Nov 17 2009 7:03AM Matching: anaphylaxis
- [Pediatrics, Anaphylaxis](#)
Abstracts in Hematology and Oncology: Nov 16 2009 11:57PM Matching: anaphylaxis
- [Child Food Allergies on the Rise in U.S](#)
National Womens Health Information Center: Nov 16 2009 4:27PM Matching: anaphylaxis
- [New data on diagnosis and treatment of allergic diseases to be presented at the ACAAI meeting](#)
News-Medical.Net: Nov 9 2009 8:59AM Matching: anaphylaxis
- [Researchers Present Investigational Findings on Allergic Diseases](#)
Newswise: Nov 7 2009 1:52PM Matching: anaphylaxis
- [Food-Dependent Exercise-Induced Anaphylaxis -Importance of Omega-5 Gliadin and HMW-Glutenin as Causative Antigens for Wheat-Dependent Exercise-Induced Anaphylaxis-](#)
MDLinx: Oct 30 2009 10:19AM Matching: anaphylaxis
- [Medical News: Dey Launches And Unveils Next-Generation, Needle-Protected EpiPen\(R\) \(Epinephrine\) Auto-Injector With Enhanced Patient-Friendly Features](#)
Medical News Today: Oct 29 2009 2:32PM Matching: anaphylaxis
- [Dey Launches And Unveils Next-Generation, Needle-Protected EpiPen\(R\) \(Epinephrine\) Auto-Injector With Enhanced](#)
Medical News Today: Oct 29 2009 10:58AM Matching: anaphylaxis
- [Dey Launches and Unveils Next-Generation, Needle-Protected EpiPen \(Epinephrine\) Auto-Injector with Enhanced Pa](#)
Pharma Live: Oct 26 2009 10:51PM Matching: anaphylaxis
- [Dey Launches and Unveils Next-Generation, Needle-Protected EpiPen\(R\) \(Epinephrine\) Auto-Injector with Enhanced](#)
Pharmacy Choice: Oct 26 2009 7:45PM Matching: anaphylaxis
- [Effect of Oral Sodium Cromoglycate in 2 Children With Food-Dependent Exercise-Induced Anaphylaxis](#)
MDLinx: Oct 26 2009 11:33AM Matching: anaphylaxis
- [For Parents of Kids with Food Allergies, the Scariest Thing at Halloween is the Trick-or-Treat Bag](#)
Pharmacy Choice: Oct 23 2009 4:21PM Matching: anaphylaxis
- [NJ EpiPen Halloween](#)
Pharmacy Choice: Oct 23 2009 4:19PM Matching: anaphylaxis

Anaphylaxis Clinical Trials:



- [A Randomized, Double-Blind, Placebo-Controlled Study of Omalizumab for Idiopathic Anaphylaxis](#)



Anaphylaxis Patents:

- 7585968- [Compositions and their uses directed to thymus and activation-regulated chemokine \(TARC\)](#)
- 7595397- [Compounds which modulate the CB2 receptor](#)
- 7596411- [Apparatus and method for two-component bioelectrical impedance ratio measuring and monitoring](#)
- 7597886- [Tumor necrosis factor-gamma](#)
- 7597894- [Compositions and methods employing alternative reading frame polypeptides for the treatment of cancer and infectious disease](#)
- 7598050- [Methods of identifying compounds that modulate IL-4 receptor-mediated IgE synthesis utilizing a chloride intracellular channel 1 protein](#)
- 7598243- [Heterocyclic cyclopentyl tetrahydroisoquinoline and tetrahydropyridopyridine modulators of chemokine receptor activity](#)
- 7598244- [\[1,2,4\]triazolo\[1,5,a\]pyrimidin-2-ylurea derivative and use thereof](#)
- 7598245- [Aminotriazole compounds useful as inhibitors of protein kinases](#)
- 7598286- [\[\(1H-indazol-3-yl\)methyl\]phenols and \(hydroxyphenyl\)\(1H-indazol-3-yl\)methanones](#)
- 7598289- [Ketones and reduced ketones as therapeutic agents for the treatment of bone conditions](#)
- 7595052- [Composition and method for the prevention and/or the treatment of allergy](#)
- 7595038- [Methods of treatment using antibodies to follistatin-3](#)
- 7588788- [Immune modulation and anti-allergy activities of Zingiber zerumbet](#)
- 7588930- [Compositions and methods for enhancing the immunogenicity of antigens](#)
- 7589085- [Tetrahydropyran heterocyclic cyclopentyl heteroaryl modulators of chemokine receptor activity](#)
- 7589187- [Dermatophagoides nucleic acid molecules](#)
- 7589199- [Substituted piperazines](#)
- 7589200- [5-Fluoro-4N-phenyl-4-pyrimidineamine compounds](#)
- 7592010- [Albumin fusion proteins](#)
- 7592332- [Cytokine inhibitors](#)
- 7592340- [Quinoxalines useful as inhibitors of protein kinases](#)
- 7592453- [Fused quinoline derivative and use thereof](#)
- 7598348- [Adiponectin receptor variant, AdipoR2v2](#)
- 7598423- [Potentiators of glutamate receptors](#)
- 7601335- [Pretreatment of a biological sample from an autoimmune disease subject](#)
- 7605236- [Antibodies that immunospecifically bind to B lymphocyte stimulator protein](#)
- 7608284- [Enamel matrix protein composition for treatment of systemic inflammatory response syndrome](#)
- 7608594- [Novobiocin analogues as anticancer agents](#)
- 7608690- [IL-B30 antibodies](#)
- 7608704- [Secreted proteins](#)
- 7612182- [Anti-IL-6 antibodies, compositions, methods and uses](#)
- 7615548- [Method to inhibit ischemia and reperfusion injury](#)
- 7615556- [Piperazinyl derivatives as modulators of chemokine receptor activity](#)
- 7618376- [Device for assessing perfusion failure in a patient by measurement of blood flow](#)
- 7618669- [Low-lactose partially hydrolyzed infant formula](#)
- 7605143- [2-propynyl adenosine analogs with modified 5'-ribose groups having A.sub.2A agonist activity](#)
- 7604955- [Immunoglobulin E vaccines and methods of use thereof](#)

- 7601355- [Compositions and methods for altering immune function](#)
- 7601367- [Compositions and processes using siRNA, amphipathic compounds and polycations](#)
- 7601712- [Carboxylic acid compounds and medicinal compositions containing the same as the active ingredient](#)
- 7601713- [Kinase inhibitors and their uses](#)
- 7601727- [Pyrrolo\[2,3-d\]pyrimidine compounds](#)
- 7601808- [Immunomodulatory protein cloned from ganoderma microsporium](#)
- 7601844- [Piperidinyll derivatives as modulators of chemokine receptor activity](#)
- 7604811- [Oral-intestinal vaccines against diseases caused by enteropathic organisms using antigens encapsulated within biodegradable-biocompatible microspheres](#)
- 7604853- [Building material for interiors having odor eliminating property and interior structure of building using the same](#)
- 7604951- [Method for identifying compounds that modulate RXR associated processes with IgE production](#)
- 7618957- [Perfluoroalkyl-containing complexes, process for their production as well as their use](#)

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