

## Rubella

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Rubella, commonly known as German measles, is a disease caused by Rubella virus. The name is derived from the Latin, meaning little red. Rubella is also known as German measles because the disease was first described by German physicians in the mid-eighteenth century. This disease is often mild and attacks often pass unnoticed. The disease can last one to five days. Children recover more quickly than adults. Infection of the mother by Rubella virus during pregnancy can be serious; if the mother is infected within the first 20 weeks of pregnancy, the child may be born with congenital rubella syndrome, which is a range of serious incurable illnesses. Spontaneous abortion occurs in up to 20% of cases. Rubella is a common childhood infection usually with minimal systemic upset although transient arthropathy may occur in adults. Serious complications, which include allergic encephalomyelitis and SSPE, are very rare. If it were not for the effects of transplacental infection on the developing foetus, rubella is a relatively trivial infection. Acquired, rubella is transmitted via airborne droplet emission from the upper respiratory tract of active cases. The virus may also be present in the urine, faeces and on the skin. There is no carrier state: the reservoir exists entirely in active human cases. The disease has an incubation period of 2 to 3 weeks. In most people the virus is rapidly eliminated however, it may persist for some months post partum in infants surviving the CRS. These children were an important source of infection to other infants and, more importantly pregnant female contacts ([From the Wikipedia article Rubella](#).)

### Recent Publications on Rubella:



- [Serum levels of rubella-specific antibodies in Swedish women following three decades of vaccination programmes.](#)  
*In Sweden, more than 30 years after the introduction of vaccination for...* 21st November, 2009  
Department of Virology, Swedish Institute for Infectious Disease Control,- Vaccine. 2009 Nov 16. ([DOI Direct Link](#))
- [\[Clinical and pathological features of adult patients with acquired rubella\]](#)  
*OBJECTIVE: To explore the clinical and pathological features of liver...* 17th November, 2009  
Department of Infectious Diseases, the 456th Hospital of PLA, Jinan- Zhonghua Gan Zang Bing Za Zhi. 2009 Jul;17(7):540-3.
- [Congenital rubella pneumonitis complicated by Pneumocystis jiroveci infection with positive long term respiratory outcome: A case report and literature review.](#)  
*Rubella remains to be a significant illness in the developing countries...* 17th November, 2009  
Queensland Respiratory Centre, Royal Children's Hospital, Herston,- *Pediatr Pulmonol*. 2009 Nov 12;44(12):1235-1239. ([DOI Direct Link](#))
- [Congenital rubella syndrome: pattern and presentation in a southern Nigerian tertiary hospital.](#)  
*BACKGROUND: Congenital rubella syndrome (CRS) resulting from maternal...* 17th November, 2009  
Department of Pediatrics and Child Health, University of Port Harcourt- *World J Pediatr*. 2009

- Nov;5(4):287-91. Epub 2009 Nov 13. ([DOI Direct Link](#))
- [Confocal Scan Features of Keratic Precipitates in Fuchs Heterochromic Iridocyclitis.](#)  
*PURPOSE:: To characterize confocal scan features of keratic precipitates...*13th November, 2009  
From the \*Ophthalmology Department and Ophthalmic Research Center,- Cornea. 2009 Nov 14. ([DOI Direct Link](#))
  - [Rubella vaccine-induced cellular immunity: evidence of associations with polymorphisms in the Toll-like, vitamin A and D receptors, and innate immune response genes.](#)  
*Toll-like, vitamin A and D receptors and other innate proteins participate...*11th November, 2009  
Mayo Vaccine Research Group, Mayo Clinic, Guggenheim 611C, 200 1st Street- Hum Genet. 2009 Nov 10. ([DOI Direct Link](#))
  - [\[Vaccination against chickenpox, shingles and rotavirus-infection\]](#)  
*The Dutch National Immunisation Programme (NIP) has been very successful...*11th November, 2009  
Erasmus Medisch Centrum-Sophia, Rotterdam, The Netherlands.- Ned Tijdschr Geneesk. 2009;153:A913.
  - [\[Initial results and evaluation of igg antibody levels for measles, mumps, rubella and chickenpox viruses in young adults born in 1989\]](#)  
*The study presents results of the examination of IgG antibody levels for...*11th November, 2009  
Mazowieckie Centrum Leczenia Chorob Pluc i Gruzlicy, 05-400 Otwock ul.- Przegl Epidemiol. 2009;63(3):363-7.
  - [The effect of HLA homozygosity on rubella vaccine-induced humoral and cell-mediated immune responses.](#)  
*Human Leukocyte Antigen (HLA) genes play a critical role in host immunity...*10th November, 2009  
Mayo Clinic Vaccine Research Group, Mayo Clinic, Rochester MN, USA;- Hum Immunol. 2009 Nov 4. ([DOI Direct Link](#))
  - [Low immunity to measles and rubella among female guest workers, northern Mariana Islands.](#)  
*Human Leukocyte Antigen (HLA) genes play a critical role in host immunity...*7th November, 2009  
- Emerg Infect Dis. 2009 Nov;15(11):1872-4.
  - [IgG antibodies against measles, rubella, and varicella zoster virus predict conversion to multiple sclerosis in clinically isolated syndrome.](#)  
*BACKGROUND: Multiple sclerosis (MS) is characterized by a polyspecific...*6th November, 2009  
Department of Neurology, University of Ulm, Ulm, Germany.- PLoS One. 2009 Nov 5;4(11):e7638. ([DOI Direct Link](#))
  - [Effect of Season of Inoculation on Immune Response to Rubella Vaccine in Children.](#)  
*The yearly seasons are marked by changes in the amount of sunlight...*6th November, 2009  
Department of Neonatology, Rabin Medical Center, Schneider Children's- J Trop Pediatr. 2009 Nov 4. ([DOI Direct Link](#))
  - [Is Routine TORCH Screening Warranted in Neonates with Lenticulostriate Vasculopathy?](#)  
*Background: Congenital infections are associated with a wide spectrum of...*6th November, 2009  
Division of Neonatology, Department of Paediatrics, Leiden University- Neonatology. 2009 Nov 4;97(3):274-278. ([DOI Direct Link](#))
  - [Simian varicella virus in pigtailed macaques \(Macaca nemestrina\): clinical, pathologic, and virologic features.](#)  
*Simian varicella virus (SVV; Cercopithecine herpesvirus 9) is a naturally...*6th November, 2009  
Washington National Primate Research Center, University of Washington,- Comp Med. 2009 Oct;59(5):482-7.

## BioNews Results for Rubella

- [HTDS' MMR vaccine passes SFDA's First Drug Evaluation](#)  
*Bio Spectrum Asia: Nov 19 2009 8:02AM Matching: rubella*

- ['Hard to Treat Diseases' \(HTDS\) MMR Vaccine Passed the Chinese SFDA's 'First Drug Evaluation'](#)  
*Individual.com: Nov 17 2009 9:52AM Matching: rubella*
- ['Hard to Treat Diseases' \(HTDS\) MMR Vaccine Passed the Chinese SFDA's 'First Drug Evaluation'](#)  
*Birmingham Business Journal: Nov 16 2009 8:55PM Matching: rubella*
- ['Hard to Treat Diseases' \(HTDS\) MMR Vaccine Passed the Chinese SFDA's 'First Drug Evaluation'](#)  
*Business Journal of Tampa Bay: Nov 16 2009 8:55PM Matching: rubella*
- ['Hard to Treat Diseases' \(HTDS\) MMR Vaccine Passed the Chinese SFDA's 'First Drug Evaluation'](#)  
*Reuters: Nov 16 2009 8:49PM Matching: rubella*
- ['Hard To Treat Diseases' MMR Vaccine Gets Approval From Chinese SFDA's 'First Drug Evaluation' - Quick Facts](#)  
*RTTNews.com: Nov 16 2009 8:40PM Matching: rubella*
- ['Hard to Treat Diseases' \(HTDS\) MMR Vaccine Passed the Chinese SFDA's 'First Drug Evaluation'](#)  
*Street Insider: Nov 16 2009 8:28PM Matching: rubella*
- ['Hard to Treat Diseases' \(HTDS\) MMR Vaccine Passed the Chinese SFDA's 'First Drug Evaluation'](#)  
*Houston Chronicle: Nov 16 2009 8:22PM Matching: rubella*
- ['Hard to Treat Diseases' \(HTDS\) MMR Vaccine Passed the Chinese](#)  
*PR Newswire via MSN Money: Nov 16 2009 8:22PM Matching: rubella*
- ['Hard to Treat Diseases' \(HTDS\) MMR Vaccine Passed the Chinese SFDA's 'First Drug Evaluation'](#)  
*Stockwatch: Nov 16 2009 8:21PM Matching: rubella*
- ['Hard to Treat Diseases' \(HTDS\) MMR Vaccine Passed the Chinese SFDA's 'First Drug Evaluation'](#)  
*PR Newswire via Yahoo!: Nov 16 2009 8:20PM Matching: rubella*
- [Project aims to boost Gwent teen vaccine rates](#)  
*South Wales Argus: Nov 16 2009 9:39PM Matching: rubella*
- [Mumps warning after cases triple](#)  
*Nottingham Evening Post: Nov 13 2009 5:52PM Matching: rubella*
- [Effect of Season of Inoculation on Immune Response to Rubella Vaccine in Children](#)  
*MDLinx: Nov 5 2009 10:04AM Matching: rubella*
- [What Is Erythema Infectiosum? What Is Slapped Cheek Syndrome?](#)  
*Medical News Today: Nov 4 2009 8:53PM Matching: rubella*

## Rubella Patents:



- 7597936- [Method of producing a pigmented composite microporous material](#)
- 7601870- [Substituted aniline derivatives](#)
- 7601872- [Transfection reagents](#)
- 7604801- [Methods for detecting parvovirus infections](#)
- 7604802- [Method of obtaining cellular immune responses from proteins](#)
- 7604935- [Soluble rubella E1 envelope protein variants](#)
- 7604960- [Transient protein expression methods](#)
- 7605138- [Nucleic acid compositions for stimulating immune responses](#)
- 7605161- [Pyridyl derivatives and their use as therapeutic agents](#)
- 7605226- [Meltrins](#)
- 7605236- [Antibodies that immunospecifically bind to B lymphocyte stimulator protein](#)
- 7601729- [Matrix metalloproteinase inhibitors](#)

- 7601507- [Electronic methods for the detection of analytes](#)
- 7601359- [Compositions and methods for the prevention and treatment of primary and metastatic neoplastic diseases and infectious diseases with heat shock/stress proteins](#)
- 7598072- [Assay to detect viral uncoating](#)
- 7598277- [Inhibitors of p38](#)
- 7598348- [Adiponectin receptor variant, AdipoR2v2](#)
- 7598355- [Characterization of GRP94-ligand interactions and purification, screening, and therapeutic methods relating thereto](#)
- 7598382- [Aryl substituted imidazoquinolines](#)
- 7598421- [Materials for the delivery of biologically-active material to cells](#)
- 7599726- [System and methods for processing analyte sensor data](#)
- 7601335- [Pretreatment of a biological sample from an autoimmune disease subject](#)
- 7601343- [Methods for treating cancers and pathogen infections using antigen-presenting cells loaded with RNA](#)
- 7601355- [Compositions and methods for altering immune function](#)
- 7605238- [Human CTLA-4 antibodies and their uses](#)
- 7605270- [Polymorphic forms of \(S\)-tetrahydrofuran-3-yl-3-\(3-\(3-methoxy-4-\(oxazol-5-yl\) phenyl\) ureido\) benzylcarbamate](#)
- 7615223- [Selected immunoconjugates for binding to aminophospholipids](#)
- 7615530- [Immunogenic compositions and methods of use](#)
- 7615531- [Methods of reducing the likelihood of spontaneous abortion](#)
- 7615539- [Nucleic acid-lipophilic conjugates](#)
- 7615552- [Fused heterocyclic compounds](#)
- 7618632- [Method of treating or ameliorating an immune cell associated pathology using GITR ligand antibodies](#)
- 7618637- [Heat shock protein-based vaccines and immunotherapies](#)
- 7618775- [Expanding the eukaryotic genetic code](#)
- 7618810- [Metering strip and method for lateral flow assay devices](#)
- 7618935- [Chaperonin 10 immunosuppression](#)
- 7615212- [Compositions and methods for the systemic treatment of arthritis](#)
- 7615007- [Analyte sensor](#)
- 7613491- [Silicone based membranes for use in implantable glucose sensors](#)
- 7605273- [Aryl-substituted pyrazole-amide compounds useful as kinase inhibitors](#)
- 7608276- [Staphylococcus aureus proteins and nucleic acids](#)
- 7608423- [Expanding the eukaryotic genetic code](#)
- 7608598- [Use of lipid conjugates in the treatment of conjunctivitis](#)
- 7608699- [Synthetic nuclear localization signal derived from lentiviral integrase and methods of use thereof](#)
- 7611704- [Compositions and methods for treating viral infections using antibodies and immunoconjugates to aminophospholipids](#)
- 7611721- [Adjuvant combination formulations](#)
- 7611858- [Detection of cannabinoid receptor biomarkers and uses thereof](#)
- 7611879- [27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- 7612093- [Compositions of treating hepatitis virus infections with N-substituted-1,5-dideoxy-1,5-imino-D-glucitol compounds in combination therapy](#)
- 7620502- [Methods for identifying sets of oligonucleotides for use in an in vitro recombination procedure](#)

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