

Coccidioidomycosis

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Coccidioidomycosis (coccidiomycosis) is a fungal disease caused by *Coccidioides immitis* or *C. posadasii*. It is endemic in certain parts of Arizona, California, Nevada, New Mexico, Texas, Utah and northwestern Mexico. *C. immitis* resides in the soil in certain parts of the southwestern United States, northern Mexico, and parts of Central and South America

[<http://www.mayoclinic.com/print/valley-fever/DS00695/DSECTION=all&METHOD=print>]. It is dormant during long dry spells, then develops as a mold with long filaments that break off into airborne spores when the rains come. The spores, known as arthroconidia, are swept into the air by disruption of the soil, such as during construction or farming. Infection is caused by inhalation of the particles. The disease is not transmitted from person to person. *C. immitis* is a dimorphic saprophytic organism that grows as a mycelium in the soil and produces a spherule form in the host organism. The disease is usually mild, with flu-like symptoms and rashes, and the Mayo Clinic estimates that half the population in some affected areas have suffered from the disease. On occasion, those particularly susceptible, including pregnant women, people with weakened immune systems, and those of Asian, Hispanic and African descent, may develop a serious or even fatal illness from valley fever. Serious complications include severe pneumonia, lung nodules, and disseminated disease, where the fungus spreads throughout the body. The disseminated form of valley fever can devastate the body, causing skin ulcers and abscesses to bone lesions, severe joint pain, heart inflammation, urinary tract problems, meningitis, and death. It has been known to infect humans, dogs, cattle, livestock, llamas, apes, monkeys, kangaroos, wallabies, tigers, bears, badgers, otters and marine mammals. Symptomatic infection usually presents as an influenza-like illness with fever, cough, headaches, rash, and myalgia. Some patients fail to recover and develop chronic pulmonary infection or widespread disseminated infection. Severe pulmonary disease may develop in HIV-infected persons. The disease can be fatal. ([From the Wikipedia article Coccidioidomycosis](#).)

Recent Publications on Coccidioidomycosis:



- [Pulmonary coccidioidomycosis: import illness and the importance of travel history.](#)
A 35-year-old man presented at the outpatient department of pulmonary... 17th November, 2009
Department of Internal Medicine, Reinier de Graaf Gasthuis, Delft, the- Neth J Med. 2009 Nov;67(10):353-5.
- [Fatal acute respiratory distress syndrome in a patient with paracoccidioidomycosis: first case report.](#)
Paracoccidioidomycosis is a systemic mycosis that is usually acquired... 13th November, 2009
Laboratory of Dermatology and Immunodeficiencies, and Laboratory of- Med Mycol. 2009 Nov 12.
- [Polyfunctional T lymphocytes are in the peripheral blood of donors naturally immune to coccidioidomycosis and are not induced by dendritic cells.](#)
Coccidioidomycosis is an endemic fungal infection of the southwestern... 11th November, 2009
From the Department of Immunobiology, the Department of Medicine, and the- Infect Immun. 2009 Nov

9. ([DOI Direct Link](#))
- [Outcomes among inmates treated for coccidioidomycosis at a correctional institution during a community outbreak, Kern County, California, 2004.](#)
*BACKGROUND: Treatment of pulmonary coccidioidomycosis is typically limited...*6th November, 2009
 Epidemic Intelligence Service, Office of Workforce and Career Development,- Clin Infect Dis. 2009 Dec 1;49(11):e113-9. ([DOI Direct Link](#))
 - [Refractory disseminated coccidioidomycosis and mycobacteriosis in interferon-gamma receptor 1 deficiency.](#)
*Severe coccidioidomycosis is rare, and specific genetic susceptibility to...*6th November, 2009
 Immunopathogenesis Section, Laboratory of Clinical Infectious Diseases,- Clin Infect Dis. 2009 Sep 15;49(6):e62-5. ([DOI Direct Link](#))
 - [Expert opinion: what to do when there is Coccidioides exposure in a laboratory.](#)
*Inadvertent exposure to Coccidioides species by laboratory staff and...*6th November, 2009
 Department of Medicine, Santa Clara Valley Medical Center, San Jose,- Clin Infect Dis. 2009 Sep 15;49(6):919-23. ([DOI Direct Link](#))
 - [Itraconazole Treatment of Nonmeningeal Coccidioidomycosis in Children: Two Case Reports and Review of the Literature.](#)
*Coccidioides immitis causes a wide range of disease in humans. Fluconazole...*4th November, 2009
 From the Division of Infectious Diseases, Department of Pediatrics,- Pediatr Infect Dis J. 2009 Oct 30. ([DOI Direct Link](#))
 - [Point-source outbreak of coccidioidomycosis in construction workers.](#)
*SUMMARYCoccidioidomycosis results from inhaling spores of the fungus...*23rd October, 2009
 Infectious Diseases Branch, Division of Communicable Disease Control,- Epidemiol Infect. 2009 Oct 22:1-5. ([DOI Direct Link](#))
 - [Chapter 2: coccidioidomycosis.](#)
*Coccidioidomycosis is a systemic mycosis caused by the dimorphic fungi...*13th October, 2009
 Universidade Federal- J Bras Pneumol. 2009 Sep;35(9):920-30.
 - [Coccidioidomycosis in transplant recipients: a primer for clinicians in nonendemic areas.](#)
*PURPOSE OF REVIEW: Coccidioidomycosis is a fungal infection caused by...*9th October, 2009
 Division of Infectious Diseases, Mayo Clinic Hospital, Phoenix, Arizona,- Curr Opin Organ Transplant. 2009 Dec;14(6):606-612. ([DOI Direct Link](#))
 - [Coccidioidomycosis: an unexpected diagnosis in a patient with persistent cough.](#)
*Coccidioidomycosis is an endemic fungal infection of the new world caused...*9th October, 2009
 Laboratoriumgeneeskunde, UZ Leuven, Belgium.- Acta Clin Belg. 2009 May-Jun;64(3):235-8.
 - [Cerebral coccidioidomycosis after renal transplantation in a non-endemic area.](#)
*Coccidioidomycosis is a fungal infection caused by Coccidioides species...*22nd September, 2009
 Nephrology, Research and Development Unit, School of Medicine, University- Transpl Infect Dis. 2009 Sep 17. ([DOI Direct Link](#))
 - [Comparative genomic analyses of the human fungal pathogens Coccidioides and their relatives.](#)
*While most Ascomycetes tend to associate principally with plants, the...*1st September, 2009
 Department of Plant and Microbial Biology, University of California,- Genome Res. 2009 Oct;19(10):1722-31. Epub 2009 Aug 28. ([DOI Direct Link](#))
 - [Detection of coccidioides antigenemia following dissociation of immune complexes.](#)
*Having reported that pretreatment of serum samples with EDTA at 100...*14th August, 2009
 MiraVista Diagnostics, Indianapolis, Indiana1; MiraBella Technologies,- Clin Vaccine Immunol. 2009 Oct;16(10):1453-6. Epub 2009 Aug 12. ([DOI Direct Link](#))
 - [Coccidioidomycosis as a rare cause of pneumonia in non-endemic areas: a short exposure history should not be ignored.](#)
*Coccidioidomycosis is endemic in the south-western USA. Two cases of...*4th August, 2009
 Hospital Authority Head Office, Queen Elizabeth Hospital, University of- Respiriology. 2009 May;14(4):617-20. ([DOI Direct Link](#))

BioNews Results for Coccidioidomycosis

- [Itraconazole Treatment of Nonmeningeal Coccidioidomycosis in Children: Two Case Reports and Review of the Literature](#)

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Coccidioidomycosis Patents:



- 7439333- [Vascular endothelial growth factor 2](#)
- 7491743- [Inhibitors of cellular necrosis](#)
- 7494979- [Method for treating congestive heart failure and other disorders](#)
- 7498027- [Methods of treatment using human tumor necrosis factor receptor TR17 antibodies](#)
- 7501123- [Human G-protein chemokine receptor \(CCR5\) HDGNR10](#)
- 7504105- [Treatment using antibodies to cytokine receptor common gamma chain like](#)
- 7504381- [Antimicrobial agents](#)
- 7504481- [TRP channel family member, LTRPC3 polypeptides](#)
- 7507413- [Albumin fusion proteins](#)
- 7507414- [Albumin fusion proteins](#)
- 7514099- [Lipid nanoparticle based compositions and methods for the delivery of biologically active molecules](#)
- 7491508- [Methods of generating chimeric adenoviruses and uses for such chimeric adenoviruses](#)
- 7482442- [HEMCM42 nucleic acids](#)
- 7482013- [Albumin fusion proteins](#)
- 7442532- [Essential fungal CaYLR100w polypeptides, and methods of use](#)
- 7446107- [Crystalline forms of conazoles and methods of making and using the same](#)
- 7446176- [12 human secreted proteins](#)
- 7446189- [Nucleic acids encoding mutant human CD80 and compositions comprising the same](#)
- 7456256- [BGS 4](#)
- 7459531- [50 Human secreted proteins](#)
- 7459532- [Variants of the TRP channel family member, LTRPC3G](#)
- 7465568- [Essential fungal polynucleotides, polypeptides, and methods of use](#)
- 7465707- [Methods of treatment with TR10 polypeptides](#)
- 7473433- [Pulmonary delivery of polyene antifungal agents](#)
- 7521424- [Albumin fusion proteins](#)
- 7527981- [Bioweapon-detecting fibrous-network products and methods for making same](#)
- 7582297- [Methods of treating respiratory conditions](#)
- 7582621- [Boron-containing small molecules](#)
- 7588774- [Molecules enhancing dermal delivery of influenza vaccines](#)
- 7592010- [Albumin fusion proteins](#)
- 7595038- [Methods of treatment using antibodies to follistatin-3](#)
- 7595192- [Process for the production of temperature-induced tumor cell lysates for use as immunogenic compounds](#)
- 7598348- [Adiponectin receptor variant, AdipoR2v2](#)

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- 7572628- [Eukaryotic layered vector initiation systems](#)
- 7534897- [Indole arylsulfonamide compounds exhibiting PGD 2 receptor antagonism](#)
- 7541434- [Polypeptide for a TRP channel family member, TRP-PLIK2, and splice variants](#)
- 7553798- [Heterocyclic carboxamides with microbiocidal activity](#)
- 7553805- [Methods and compositions for treating viral, fungal, and bacterial infections](#)
- 7553932- [Methods of treating viral infection with IL-10 receptor antagonists](#)
- 7556830- [Medicinal herbal composition for treating infection](#)
- 7560113- [Inactivating organisms using carbon dioxide at or near its supercritical pressure and temperature conditions](#)
- 7569384- [Albumin fusion proteins](#)
- 7569573- [Diketo acids with nucleobase scaffolds: anti-HIV replication inhibitors targeted at HIV integrase](#)
- 7572618- [Polynucleotides encoding novel PCSK9 variants](#)
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