

Thalassemia

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Thalassemia is an inherited autosomal recessive blood disease. In thalassemia, the genetic defect results in reduced rate of synthesis of one of the globin chains that make up hemoglobin. Reduced synthesis of one of the globin chains causes the formation of abnormal hemoglobin molecules, and this in turn causes the anemia which is the characteristic presenting symptom of the thalassemias. Thalassemia is a quantitative problem of too few globins synthesized, whereas sickle-cell disease is a qualitative problem of synthesis of a non-functioning globin. Thalassemias usually result in under production of normal globin proteins, often through mutations in regulatory genes. Hemoglobinopathies imply structural abnormalities in the globin proteins themselves. The two conditions may overlap, however, since some conditions which cause abnormalities in globin proteins also affect their production. Thus, some thalassemias are hemoglobinopathies, but most are not. Either or both of these conditions may cause anemia. The disease is particularly prevalent among Mediterranean peoples, and this geographical association was responsible for its naming: Thalassa is Greek for the sea, Haema is Greek for blood. ([From the Wikipedia article Thalassemia](#) .)

Recent Publications on Thalassemia:



- [pHCR: a Parallel Haplotype Configuration Reduction algorithm for haplotype interaction analysis.](#)
*Finding gene interaction models is one of the most important issues in...*21st November, 2009
[1] Department of Biochemistry, Faculty of Medicine Siriraj Hospital,- J Hum Genet. 2009 Nov 20. ([DOI Direct Link](#))
- [An autologous falciparum vaccine using the erythrocyte's band 3 molecule.](#)
*Protection against the serious complications of falciparum malaria is...*21st November, 2009
Manatee Memorial Hospital, 206 2(nd) Street East, Bradenton, FL 34209,- Med Hypotheses. 2009 Nov 17. ([DOI Direct Link](#))
- [A genome-wide association identified the common genetic variants influence disease severity in beta\(0\)-thalassemia/hemoglobin E.](#)
*beta-Thalassemia/HbE disease is clinically variable. In searching for...*20th November, 2009
Thalassemia Research Center, Institute of Molecular Biosciences, Mahidol- Hum Genet. 2009 Nov 19. ([DOI Direct Link](#))
- [Application of an expanded multiplex genotyping assay for the simultaneous detection of Hemoglobin Constant Spring and common deletion alpha-thalassemia mutations.](#)
*Hemoglobin Constant Spring (HbCS) is the most common nondeletional...*19th November, 2009
Hemoglobinopathy Reference Laboratory, Children's Hospital & Research- Int J Lab Hematol. 2009 Nov 16. ([DOI Direct Link](#))
- [Remodeling of skeletal muscle microvasculature in sickle cell trait and {alpha}-thalassemia.](#)
*The influence of sickle cell trait and/or alpha-thalassemia on skeletal...*17th November, 2009

- Universite de Savoie.- Am J Physiol Heart Circ Physiol. 2009 Nov 13. ([DOI Direct Link](#))
- [alpha-Thalassaemia Masked by beta Gene Defects and a New Polyadenylation Site Mutation on the alpha2-Globin Gene.](#)
*ABSTRACT We report three examples of chronic anaemia involving complex...*17th November, 2009
 The Reference Hemoglobinopathies Laboratory, Department of Human and- Eur J Haematol. 2009 Nov 12. ([DOI Direct Link](#))
 - [Iron metabolism and iron chelation in sickle cell disease.](#)
*This review highlights recent advances in iron metabolism that are...*13th November, 2009
 Children's Hospital & Research Center Oakland, Oakland, Calif., USA.- Acta Haematol. 2009;122(2-3):174-83. Epub 2009 Nov 10. ([DOI Direct Link](#))
 - [Deferasirox \(Exjade\) for the treatment of iron overload.](#)
*Deferasirox is a once-daily oral iron chelator with established...*13th November, 2009
 Fondazione Ospedale Maggiore Policlinico, Istituto di Ricovero e Cura a- Acta Haematol. 2009;122(2-3):165-73. Epub 2009 Nov 10. ([DOI Direct Link](#))
 - [Deferiprone chelation therapy for thalassemia major.](#)
*Iron overload is one of the major causes of morbidity in patients with...*13th November, 2009
 Dipartimento di Scienze Biomediche e Biotecnologie, Ospedale Regionale- Acta Haematol. 2009;122(2-3):155-64. Epub 2009 Nov 10. ([DOI Direct Link](#))
 - [The effect of prolonged administration of hydroxyurea on morbidity and mortality in adult patients with sickle-cell syndromes: results of a 17-year, single center trial \(LaSHS\).](#)
*The aim of this prospective study was to evaluate the long-term efficacy...*12th November, 2009
 Thalassemia Center, Laikon General Hospital, Athens, Greece;- Blood. 2009 Nov 10. ([DOI Direct Link](#))
 - [Pregnancy and {beta}-thalassemia: an Italian multicenter experience.](#)
*Background Recent advances on the management of thalassemia have...*12th November, 2009
 ASL Cagliari, Dipartimento di Scienze Biomediche e Biotecnologie,- Haematologica. 2009 Nov 10. ([DOI Direct Link](#))
 - [Pseudoxanthoma elasticum-like syndrome and thalassemia: an update.](#)
*Pseudoxanthoma Elasticum (PXE) is an autosomal recessive, multisystem...*12th November, 2009
 Pediatrics, University of Ferrara.- Dermatol Online J. 2009 Jul 15;15(7):7.
 - [Improvement in oxidative stress and antioxidant parameters in beta-thalassemia/Hb E patients treated with curcuminoids.](#)
*OBJECTIVES: To evaluate the hematological profile, oxidative stress, and...*11th November, 2009
 Department of Biochemistry, Faculty of Medicine Siriraj Hospital, Mahidol- Clin Biochem. 2009 Nov 10. ([DOI Direct Link](#))
 - [Update on the use of deferasirox in the management of iron overload.](#)
*Regular blood transfusions as supportive care for patients with chronic...*10th November, 2009
 American University of Beirut, Beirut, Lebanon;- Ther Clin Risk Manag. 2009;5:857-68. Epub 2009 Nov 2.
 - [Purified T-depleted, CD34+ peripheral blood and bone marrow cell transplantation from haploidentical mother to child with thalassemia.](#)
*Feto-maternal microchimerism suggests immunological tolerance between...*10th November, 2009
 International Center for Transplantation in Thalassemia and Sickle Cell- Blood. 2009 Nov 6. ([DOI Direct Link](#))

BioNews Results for Thalassemia

- [Mental Health](#)
KFSM: Nov 21 2009 9:33AM Matching: thalassemia
- [Mental Health](#)
NOLA38: Nov 18 2009 10:33AM Matching: thalassemia

- ['iPS Cell Technology Can Cure Blood Diseases'](#)
Express Healthcare Management: Nov 17 2009 7:26AM Matching: thalassemia
- [Hematologic Disorder Classification](#)
Advance for Medical Laboratory Professionals: Nov 17 2009 11:12PM Matching: thalassemia
- [Kids with cancer paint dream, see different world](#)
Philippine Daily Inquirer: Nov 13 2009 7:32PM Matching: thalassemia
- [Cryobanks to step up awareness on stem cell banking](#)
Business Standard India: Nov 11 2009 9:46PM Matching: thalassemia
- [Stem cell can treat blood cancers: Japanese scientist](#)
Livemint.com: Nov 9 2009 6:45AM Matching: thalassemia
- [Stem cell can treat blood cancers: Japanese scientist](#)
DNA India: Nov 9 2009 7:17AM Matching: thalassemia
- [Stem cells can treat blood cancers: Japanese scientist](#)
Yahoo! India: Nov 9 2009 5:08AM Matching: thalassemia
- [Stem cells can treat blood cancers: Japanese](#)
Yahoo! India: Nov 9 2009 4:47AM Matching: thalassemia
- [Local lodge donates to cancer, Cooley's Anemia](#)
Weirton Daily Times: Nov 2 2009 10:11PM Matching: thalassemia
- [Escalating doses of donor lymphocytes for incipient graft rejection following SCT for thalassemia](#)
Bone Marrow Transplantation: Nov 2 2009 12:38PM Matching: thalassemia
- [Genetic Testing Soon to Screen for Breast Cancer](#)
Khaleej Times: Oct 28 2009 7:54PM Matching: thalassemia
- [Stem cells engineered in NCRM lab in Japan could cure blood cancer: Dr Nakamura](#)
PharmaBiz: Oct 27 2009 8:26AM Matching: thalassemia
- [Japanese method for treating blood cancers](#)
The Hindu: Oct 25 2009 7:35PM Matching: thalassemia

Thalassemia Patents:



- 7560256- [Automated process for detecting the presence of a target nucleic acid in a sample](#)
- 7582421- [Methods for determination of single nucleic acid polymorphisms using a bioelectronic microchip](#)
- 7582744- [Chemically modified oligonucleotides](#)
- 7583990- [System and methods for processing analyte sensor data](#)
- 7585634- [Method of predicting risk of lung cancer recurrence, and a composition, kit and microarray for the same](#)
- 7586589- [Methods of determination of responsiveness to erythropoietin treatment](#)
- 7589071- [Large capacity viral amplicon using a minimal orilyt from human cytomegalovirus](#)
- 7592010- [Albumin fusion proteins](#)
- 7592429- [Sclerostin-binding antibody](#)
- 7592438- [Human gene](#)
- 7595159- [Prediction of Parkinson's disease using gene expression levels of peripheral blood samples](#)
- 7582292- [Adipose tissue derived stromal cells for the treatment of neurological disorders](#)
- 7579372- [Histone deacetylase inhibitors based on alpha-ketoepoxide compounds](#)

- [7576186- Compositions and methods for stem cell delivery](#)
- [7563617- Hybrid adenovirus/adeno-associated virus vectors and methods of use thereof](#)
- [7566535- Enhanced oligonucleotide-mediated nucleic acid sequence alteration](#)
- [7566693- Elastin protective polyphenolics and methods of using the same](#)
- [7569384- Albumin fusion proteins](#)
- [7569385- Multipotent amniotic fetal stem cells](#)
- [7569726- Indanone derivatives that inhibit prolyl hydroxylase](#)
- [7572827- Use of angelicin and of its structural analogues for the treatment of thalassemia](#)
- [7575925- Cell preparations comprising cells of the T cell lineage and methods of making and using them](#)
- [7576057- Cyclic peptides](#)
- [7576067- Pulsatile release compositions and methods for enhanced intestinal oligonucleotide drug absorption](#)
- [7595402- Prodrugs of selective androgen receptor modulators and methods of use thereof](#)
- [7598031- Method for the detection of gene transcripts in blood and uses thereof](#)
- [7608422- Simian immunodeficiency virus \(SIV\) molecular clone encoding mutant gag gene lacking inhibitory/instability regions](#)
- [7609369- Methods of detection of iron deficiency and hemochromatosis](#)
- [7611704- Compositions and methods for treating viral infections using antibodies and immunoconjugates to aminophospholipids](#)
- [7611729- Dosage forms having prolonged active ingredient release](#)
- [7611839- Methods for diagnosing RCC and other solid tumors](#)
- [7612073- Methods of administering tetrahydrobiopterin, associated compositions, and methods of measuring](#)
- [7612080- GTPase inhibitors and use thereof for controlling platelet hyperactivity](#)
- [7613491- Silicone based membranes for use in implantable glucose sensors](#)
- [7615007- Analyte sensor](#)
- [7618657- Active ingredients preparation and single compound purification from traditional Chinese herbal medicine Fructus Trichosanthis and uses thereof](#)
- [7605388- Monitoring and control system for blood processing](#)
- [7605239- Skeletal-targeted radiation to treat bone-associated pathologies](#)
- [7605182- Compounds that selectively bind to membranes of apoptotic cells](#)
- [7598060- Rapid analysis of variations in a genome](#)
- [7599726- System and methods for processing analyte sensor data](#)
- [7601335- Pretreatment of a biological sample from an autoimmune disease subject](#)
- [7601342- Cell fusions and methods of making and using the same](#)
- [7601493- Methods and apparatus for screening and detecting multiple genetic mutations](#)
- [7601496- Cleavage of nucleic acids](#)
- [7601717- Pterin analogs](#)
- [7604798- Methods and compositions for importing nucleic acids into cell nuclei](#)
- [7604990- Methods of regulating differentiation in stem cells](#)
- [7605142- Expression of cyclin G1 in tumors](#)
- [7619091- 8-hydroxy quinoline derivatives](#)

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