

# Amyloidosis

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In medicine, amyloidosis refers to a variety of conditions in which amyloid proteins are abnormally deposited in organs and/or tissues, causing disease. A protein is amyloid if, due to an alteration in its secondary structure, it takes on a particular insoluble form, called the beta-pleated sheet. Approximately 25 different proteins are known that can form amyloid in humans. Most of them are constituents of the plasma. Different amyloidoses can be systemic or organ-specific. Some are inherited, due to mutations in the precursor protein. Other, secondary forms are due to different diseases causing overabundant or abnormal protein production-such as with over production of immunoglobulin light chains in multiple myeloma , or with continuous overproduction of acute phase proteins in chronic inflammation . ( [From the Wikipedia article Amyloidosis](#) .)

## Recent Publications on Amyloidosis:



- [Amyloidosis and Neurodegenerative Diseases: Current Treatments and New Pharmacological Options.](#)  
*Most neurodegenerative diseases share several clinical, genetic and...*20th November, 2009  
Academie Nationale de Medecine Paris, Paris, France.- Pharmacology. 2009 Nov 18;85(1):1-17. ([DOI Direct Link](#))
- [Marked shrinkage of amyloid lymphadenopathy after an intensive chemotherapy in a patient with IgM-associated AL amyloidosis.](#)  
*A male patient with primary AL amyloidosis who had been suffering from...*20th November, 2009  
Department of Medicine (Neurology and Rheumatology), Shinshu University- Amyloid. 2009 Dec;16(4):243-245.
- [Primary systemic amyloidosis and persistent pleural effusions.](#)  
*Persistent pleural effusions are not common in patients with primary...*20th November, 2009  
Alpert School of Medicine, Brown University, Providence, Rhode Island,- Amyloid. 2009 Dec;16(4):239-242.
- [Usefulness of labial salivary gland biopsy in familial amyloid polyneuropathy Portuguese type.](#)  
*Background. The diagnosis of amyloidosis of all types is definitively made...*20th November, 2009  
Department of Stomatology and Maxillofacial Surgery, Hospital de Santo- Amyloid. 2009 Dec;16(4):232-238.
- [Amyloid arthropathy mimicking seronegative rheumatoid arthritis in multiple myeloma: case reports and review of the literature.](#)  
*We report two patients who suffered from symmetrical polyarthritis...*20th November, 2009  
Department of Internal Medicine.- Amyloid. 2009 Dec;16(4):226-231.
- [Spontaneous pericardial hematoma with familial amyloid polyneuropathy.](#)  
*There are more than a few risks of hemorrhage complication in patients...*20th November, 2009  
Department of Cardiovascular Medicine, Kyoto Prefectural University of- Amyloid. 2009

- Dec;16(4):221-225.
- [Isolation and characterization of monoclonal antibodies against bovine serum amyloid A1 protein.](#)  
*Bovine AA amyloidosis is the most frequently encountered amyloid type in...*20th November, 2009  
Laboratory of Food and Environmental Hygiene, Department of Veterinary- Amyloid. 2009  
Dec;16(4):215-220.
  - [Report of five rare or previously unknown amyloidogenic transthyretin mutations disclosed in Sweden.](#)  
*The number of amyloidogenic transthyretin (TTR) mutations described in the...*20th November, 2009  
Department of Medicine, Umea University Hospital, Umea, Sweden.- Amyloid. 2009  
Dec;16(4):208-214.
  - [Identification and quantitative analysis of human transthyretin variants in human serum by Fourier transform ion-cyclotron resonance mass spectrometry.](#)  
*Transthyretin (TTR) is a homotetrameric protein involved in thyroid...*20th November, 2009  
Departamento de Quimica e Bioquimica, Centro de Quimica e Bioquimica,- Amyloid. 2009  
Dec;16(4):201-207.
  - [Differential affinity of serum amyloid A1 isotypes for high-density lipoprotein.](#)  
*Serum amyloid A (SAA), a precursor of reactive amyloid deposits, is a...*20th November, 2009  
Department of Clinical and Laboratory Medicine, Jichi Medical University,- Amyloid. 2009  
Dec;16(4):196-200.
  - [Serum levels of NT-proBNP as surrogate for cardiac amyloid burden: new evidence from gadolinium-enhanced cardiac magnetic resonance imaging in patients with amyloidosis.](#)  
*Background. The prognostic value of NT-proBNP has been recognized in...*20th November, 2009  
Department of Medicine III, Division of Cardiology, University Hospital- Amyloid. 2009  
Dec;16(4):187-195.
  - [Pulmonary amyloidosis with calcified nodules and masses - a six-year computed tomography follow-up: a case report.](#)  
*INTRODUCTION: Pulmonary amyloidosis is an uncommon disease, characterized...*18th November, 2009  
- Cases J. 2009 Sep 8;2:6540. ([DOI Direct Link](#))
  - [Microalbuminuria as an early marker of renal involvement in Behcet's disease: it is associated with neurological involvement and duration of the disease.](#)  
*Abstract Background Despite its nature as a systemic vasculitis, renal...*21st April, 2009  
Department of Dermatology, Goztepe Training and Research Hospital,- J Eur Acad Dermatol Venereol. 2009 Nov 17. ([DOI Direct Link](#))
  - [White matter disorders with autosomal dominant heredity: a review with personal clinical case studies and their MRI findings.](#)  
*Background - Leukoencephalopathies are a heterogeneous group of severe...*21st April, 2009  
Department of Neurology, Sahlgrenska University Hospital, Gothenburg,- Acta Neurol Scand. 2009 Nov 19. ([DOI Direct Link](#))
  - [Absence of Heart Failure in Severe Cardiac and Autonomic Amyloidosis: The Essential Role of Sympathetic Activation and Venous Tone in the Development of the Congestive Heart Failure Syndrome.](#)  
*Background - Leukoencephalopathies are a heterogeneous group of severe...*21st April, 2009  
From the Department of Medicine, Division of Cardiology, Columbia- Congest Heart Fail. 2009 Nov 1;15(6):288-290. ([DOI Direct Link](#))

## BioNews Results for Amyloidosis

- [Mayo Clinic Licenses Expression Pathology Technology for MS-based Amyloidosis Assay](#)  
*GenomeWeb: Nov 18 2009 5:59PM Matching: amyloidosis*
- [Liquid Tissue\(R\) Patent Licensed for Amyloidosis Proteomic Assay Expression Pathology's Method](#)

[Enables Mass Spec Analysis of Amyloid Proteins in Micr](#)

*Yahoo! Canada: Nov 17 2009 7:13PM Matching: amyloidosis*

- [Alnylam Pharmaceuticals \(ALNY\) Provides Update on RNAi Pipeline, Platform, and Technology at Its R&D Day](#)  
*BioSpace: Nov 13 2009 3:44PM Matching: amyloidosis*
- [Alnylam Provides Update on RNAi Pipeline, Platform, and Technology at Its R&D Day](#)  
*Pharma Live: Nov 13 2009 3:50AM Matching: amyloidosis*
- [Alnylam Provides Update on RNAi Pipeline, Platform, and Technology at Its R&D Day](#)  
*Pharmacy Choice: Nov 12 2009 8:20PM Matching: amyloidosis*
- [Alnylam Provides Update on RNAi Pipeline, Platform, and Technology at Its R&D Day](#)  
*Genetic Engineering News: Nov 12 2009 2:37PM Matching: amyloidosis*
- [Alnylam Provides Update on RNAi Pipeline, Platform, and Technology at Its R&D Day](#)  
*Freshnews.com: Nov 12 2009 1:29PM Matching: amyloidosis*
- [Alnylam Pharma \(ALNY\) To Provide RNAi Pipeline, Platform, and Tech Update at R&D Day in NY](#)  
*Street Insider: Nov 12 2009 1:22PM Matching: amyloidosis*
- [Onyx Pharmaceuticals Announces Data Presentations Highlighting Carfilzomib and ONX 0803 at 51st American Society of Hematology Annual Meeting](#)  
*Earthtimes.org: Nov 10 2009 9:34PM Matching: amyloidosis*
- [Alnylam to Webcast R&D Day on Thursday, November 12, 2009](#)  
*Pharma Live: Nov 9 2009 10:10PM Matching: amyloidosis*
- [Alnylam Pharmaceuticals Reports Third Quarter 2009 Financial Results](#)  
*Pharmacy Choice: Nov 5 2009 5:12AM Matching: amyloidosis*
- [Alnylam Pharmaceuticals Reports Third Quarter 2009 Financial Results](#)  
*Business Wire: Nov 4 2009 9:08PM Matching: amyloidosis*
- [Alnylam Presents New Pre-Clinical Data on ALN-TTR, an RNAi Therapeutic for the Treatment of Transthyretin-Mediated Amyloidosis](#)  
*SmartBrief: Nov 3 2009 12:39AM Matching: amyloidosis*
- [Alnylam Releases Preclinical Data Showing Efficacy of TTR Amyloidosis Rx Candidate](#)  
*GenomeWeb: Nov 2 2009 4:53PM Matching: amyloidosis*
- [Canakinumab Approved in EU for Patients 4 Years and Older With Cryopyrin-Associated Periodic Syndromes](#)  
*Doctors Guide: Oct 28 2009 3:43PM Matching: amyloidosis*

**Amyloidosis Clinical Trials:**



- [Lenalidomide, Dexamethasone and Cyclophosphamide in Amyloidosis \(AL\)](#)



## Amyloidosis Patents:

- 7589094- [N- \(3-amino-2-hydroxy-propyl\) substituted alkylamide compounds](#)
- 7601335- [Pretreatment of a biological sample from an autoimmune disease subject](#)
- 7601514- [Nucleic acid encoding PRO10268 polypeptides](#)
- 7601751- [Indole acetic acid acyl guanidines as .beta.-secretase inhibitors](#)
- 7601809- [Cytokine receptor zcytor19](#)
- 7601876- [Compounds, compositions and methods for the treatment of amyloid diseases such as systemic AA amyloidosis](#)
- 7604599- [Systems and methods for using dynamic vascular assessment to improve vascular stent placement, application, design and marketing](#)
- 7604954- [Method for evaluating kidney function in a feline](#)
- 7605149- [Modulation of the phospholipase A2 pathway as a therapeutic](#)
- 7605179- [Naphthoquinone derivatives as inhibitors of tau aggregation for the treatment of alzheimer's and related neurodegenerative disorders](#)
- 7605229- [PRO87299 polypeptides](#)
- 7598364- [Plasmid encoding canine BMP-7](#)
- 7598282- [Neuroprotective agents](#)
- 7598269- [Methods and compositions for treating amyloid-related diseases](#)
- 7589105- [Preventives or remedies for alzheimer's disease, or amyloid protein fibril-formation inhibitors, which include a nitrogen-containing heteroaryl compound](#)
- 7589219- [2,5-bis-diamine-\[1,4\]benzoquinonic derivatives, useful for the treatment of alzheimer's disease, method for preparing them and intermediates of said method](#)
- 7590493- [Methods for determining hepatotoxins](#)
- 7592010- [Albumin fusion proteins](#)
- 7592152- [Chondroitinase ABC I and methods of analyzing therewith](#)
- 7592326- [Method for stimulating the immune, inflammatory or neuroprotective response](#)
- 7595159- [Prediction of Parkinson's disease using gene expression levels of peripheral blood samples](#)
- 7595199- [Method of detecting amyloid-like fibrils or protein aggregates](#)
- 7595308- [Compositions for treating and/or preventing diseases characterized by the presence of metal ions](#)
- 7598031- [Method for the detection of gene transcripts in blood and uses thereof](#)
- 7608262- [Methods of preventing or treating thrombosis with tumor necrosis factor antagonists](#)
- 7608452- [Polynucleotides encoding cytokine receptor zcytor19](#)
- 7612179- [antibodies binding to a C-terminal fragment of apolioprotein E](#)
- 7612180- [Humanized L243 antibodies](#)
- 7615543- [Treatment and prevention of tissue damage](#)
- 7615611- [Human cytokine receptor](#)
- 7618632- [Method of treating or ameliorating an immune cell associated pathology using G1TR ligand antibodies](#)
- 7618791- [Methods of detecting cancer with antibodies to cytokine receptor ZCYTOR19](#)
- 7618793- [Identifying agents for decreasing cellular toxicity associated with huntingin polypeptide](#)
- 7618944- [Encapsulated amyloid-beta peptides](#)
- 7618960- [Morpholine type cinnamide compound](#)
- 7618978- [Amides as BACE inhibitors](#)
- 7612086- [JNK inhibitors](#)

- 7612080- [GTPase inhibitors and use thereof for controlling platelet hyperactivity](#)
- 7612069- [Acyl guanidines as beta-secretase inhibitors](#)
- 7608585- [Compositions for inhibition of necrosis induced by a neurotrophin](#)
- 7608586- [Soluble low-density lipoprotein receptor related protein binds directly to Alzheimer's amyloid-beta peptide](#)
- 7608686- [Human tumor necrosis factor receptor](#)
- 7608704- [Secreted proteins](#)
- 7608716- [Pyrazolonaphthyridine derivative](#)
- 7608749- [Monitoring APP cleavage in transgenic rodents comprising an APP Swedish mutation](#)
- 7611721- [Adjuvant combination formulations](#)
- 7611879- [27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- 7612054- [Dibenzo\[b,f\]oxepine-10-carboxamides and pharmaceutical uses thereof](#)
- 7612055- [Macrocyclic lactams and pharmaceutical use thereof](#)
- 7619091- [8-hydroxy quinoline derivatives](#)

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