

## Edema

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:This page is about the medical condition. For the rock band, see Adema. Edema, oedema or œdema, formerly known as dropsy or hydropsy, is the increase of interstitial fluid in any organ &mdash; swelling.

Generally, the amount of interstitial fluid is in the balance of homeostasis. Increased secretion of fluid into the interstitium or impaired removal of this fluid may cause edema. Generation of interstitial fluid is regulated by the Starling equation of tissue fluid which states that it depends on the balance of osmotic pressure and of hydrostatic pressure which act in opposite directions across the semipermeable capillary walls.

Consequently, anything that increases oncotic pressure outside blood vessels, or reduces oncotic pressure in the blood will cause edema. Increased hydrostatic pressure inside the blood vessel will have the same effect. If the permeability of the capillary walls increases, more fluid will tend to escape out of the capillary, as can happen when there is inflammation. Abnormal removal of interstitial fluid is caused by obstruction of the lymphatic system, for example due to pressure from a cancer or enlarged lymph nodes, destruction of lymph vessels by radiotherapy, or infiltration of the lymphatics by infection such as elephantiasis. ([From the Wikipedia article Edema.](#))

### Recent Publications on Edema:



- [Evaluation of laryngeal findings in users of inhaled steroids.](#)  
*The objective of the prospective study is to examine the laryngeal changes...* 13th November, 2009  
Department of Otorhinolaryngology, Istanbul Goztepe Training and Research- Eur Arch Otorhinolaryngol. 2009 Nov 12. ([DOI Direct Link](#))
- [The Histamine H\(4\) Receptor Mediates Inflammation and Pruritus in Th2-Dependent Dermal Inflammation.](#)  
*The role of histamine H(4) receptor (H(4)R) was investigated in a T-helper...* 13th November, 2009  
Department of Immunology, Johnson & Johnson Pharmaceutical Research &- J Invest Dermatol. 2009 Nov 12. ([DOI Direct Link](#))
- [Glaucoma Tube Shunt Implantation Through the Ciliary Sulcus in Pseudophakic Eyes With High Risk of Corneal Decompensation.](#)  
*PURPOSE: To summarize our clinical experience with implanting Baerveldt...* 13th November, 2009  
\*Beaumont Eye Institute section sign Beaumont Research Institute, William- J Glaucoma. 2009 Nov 10. ([DOI Direct Link](#))
- [Cardiac Efficiency Improvement after Slow Continuous Ultrafiltration Is Assessed by Beat-to-Beat Minimally Invasive Monitoring in Congestive Heart Failure Patients: A Preliminary Report.](#)  
*Background: We have evaluate the effect of slow continuous ultrafiltration...* 13th November, 2009  
Department of Cardiac and Vascular Sciences, University of Florence,- Blood Purif. 2009 Nov 12;29(1):44-51. ([DOI Direct Link](#))
- [GIANT LYMPHOCELE AFTER RENAL TRANSPLANTATION. CASE REPORT AND BIBLIOGRAPHIC](#)

## REVIEW.

- OBJECTIVES: To report the case and iconography of a lymphocele after renal...*13th November, 2009  
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- [Regulation of lymphatic-blood vessel separation by endothelial Rac1.](#)  
*Sprouting angiogenesis and lymphatic-blood vessel segregation both involve...*13th November, 2009  
Adhesion and Angiogenesis Laboratory, Institute of Cancer and Cancer- Development. 2009  
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  - [The miR-30 miRNA family regulates Xenopus pronephros development and targets the transcription factor Xlim1/Lhx1.](#)  
*MicroRNAs (miRNAs) are small non-coding RNA molecules that regulate gene...*13th November, 2009  
Department of Cell Biology and Anatomy, LSU Health Sciences Center, MEB- Development. 2009  
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  - [Selective peroxisome proliferator-activated receptor {gamma} \(PPAR{gamma}\) modulation as a strategy for safer therapeutic PPAR{gamma} activation.](#)  
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  - [Takotsubo cardiomyopathy after nasal application of epinephrine-A magnetic resonance study.](#)  
*Takotsubo cardiomyopathy (TTC), which is characterized by transient left...*13th November, 2009  
Medical University Berlin, Charite Campus Buch, Franz-Volhard-Klinik for- Int J Cardiol. 2009 Nov 9. ([DOI Direct Link](#))
  - [The effect of ovariectomy and estrogen on penetrating brain arterioles and blood-brain barrier permeability.](#)  
*OBJECTIVE: We investigated the effect of estrogen replacement on the...*13th November, 2009  
Department of Neurology, University of Vermont, Burlington, Vermont, USA.- Microcirculation. 2009  
Nov;16(8):685-93.
  - [Nephrotic syndrome in adults: diagnosis and management.](#)  
*Nephrotic syndrome may be caused by primary (idiopathic) renal disease or...*13th November, 2009  
Department of Family and Geriatric Medicine, University of Louisville- Am Fam Physician. 2009 Nov  
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  - [Evaluation of a nonsteroidal topical cream in a guinea pig model of Malassezia furfur infection.](#)  
*Malassezia furfur is an important causal factor for seborrheic dermatitis,...*13th November, 2009  
Research and Development, Promius Pharma, LLC, Bridgewater, NJ 08807, USA.- Clin Dermatol.  
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  - [Antioxidant CR-6 protects against reperfusion injury after a transient episode of focal brain ischemia in rats.](#)  
*Oxidative and nitrosative stress are targets for intervention after...*12th November, 2009  
Department of Brain Ischemia and Neurodegeneration, Institut- J Cereb Blood Flow Metab. 2009 Nov  
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From the Departments of \*Surgery, daggerNutritional Sciences, and double- Pancreas. 2009 Nov 9. ([DOI Direct Link](#))
  - [Interaction of oxidative stress, astrocyte swelling and cerebral ammonia toxicity.](#)  
*PURPOSE OF REVIEW: Description of the role of oxidative stress in the...*12th November, 2009  
Heinrich-Heine-University Dusseldorf, Clinic for Gastroenterology,- Curr Opin Clin Nutr Metab Care.  
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- [Nov 12 N Engl J Med letter](#)  
*New England Journal of Medicine: Nov 13 2009 5:25PM Matching: edema*
- [pSivida Corp. Reports Results for the First Quarter Ended September 30, 2009](#)  
*Pharma Live: Nov 13 2009 9:39PM Matching: edema*
- [Researchers detail lung damage in fatal cases](#)  
*New England Journal of Medicine: Nov 13 2009 5:25PM Matching: edema*
- [OD-OS earns FDA Approval for its NAVILAS navigated laser therapy system](#)  
*Open PR: Nov 12 2009 9:16AM Matching: edema*
- [pSivida Corp. Reports Results for the First Quarter Ended September 30, 2009](#)  
*Yahoo! Canada: Nov 12 2009 11:26PM Matching: edema*
- [pSivida Corp. Reports Results for the First Quarter Ended September 30, 2009](#)  
*Genetic Engineering News: Nov 12 2009 9:50PM Matching: edema*
- [pSivida Corp. Reports Results for the First Quarter Ended September 30, 2009](#)  
*Business Wire UK: Nov 12 2009 9:47PM Matching: edema*
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- [Nephrotic Syndrome in Adults: Diagnosis and Management](#)  
*MDLinx: Nov 12 2009 12:33PM Matching: edema*
- [Knee Splint's Multi-Compartment Technology Speeds Rehabilitation from Injuries -- Cost-Effective PKS Cryo's\(TM\) Individual Chambers Eliminate Migrati](#)  
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- [Key RNAi-Based Drugs in the Clinic](#)  
*GenomeWeb: Nov 11 2009 8:32PM Matching: edema*
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- [ACAAI: Ecallantide Effective for Hereditary Angioedema](#)  
*Modern Medicine: Nov 10 2009 10:28PM Matching: edema*
- [Trius and Alimera Join Growing Roster of Biotech IPO Hopefuls](#)  
*Therapeutics Daily: Nov 10 2009 2:23AM Matching: edema*
- [Alpharetta biotech plans \\$80M public offering](#)  
*Atlanta Business Chronicle: Nov 9 2009 5:57PM Matching: edema*

#### Edema Clinical Trials:

- [Effect of Choline Fenofibrate \(SLV348\) on Macular Edema](#)





## Edema Patents:

- 7610074- [Multi-functional plasmon-resonant contrast agents for optical coherence tomography](#)
- 7611897- [AP1 amine oxidase variants](#)
- 7612035- [Inhibition of mitogen-activated protein kinase \(MAPK\) pathway: a selective therapeutic strategy against melanoma](#)
- 7612047- [Degradation-resistant mononucleoside phosphate compounds](#)
- 7612060- [Triazoles and methods of use](#)
- 7612065- [Inhibitors of c-JUN N-terminal kinases \(JNK\)](#)
- 7612078- [Piperidinylamino-thieno\[2,3-D\] pyrimidine compounds](#)
- 7612080- [GTPase inhibitors and use thereof for controlling platelet hyperactivity](#)
- 7612082- [Prostaglandin EP.sub.4 antagonists](#)
- 7612096- [Methods for treatment, modification and management of radiculopathy using 1-oxo-2-\(2,6-dioxopiperidin-3yl\)-4-aminoisoindoline](#)
- 7612102- [Pre-mixed, ready-to-use pharmaceutical compositions](#)
- 7611896- [Practical serological assay for the clinical diagnosis of Leishmaniasis](#)
- 7611879- [27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- 7611858- [Detection of cannabinoid receptor biomarkers and uses thereof](#)
- 7610082- [Optical system and method for in-vivo transcranial examination of brain tissue of a subject](#)
- 7610092- [Leadless tissue stimulation systems and methods](#)
- 7610094- [Synergistic use of medical devices for detecting medical disorders](#)
- 7610095- [Diagnosis, treatment, and research of brain disorders](#)
- 7611453- [Apparatus and method for static magnetic field treatment of tissue, organs, cells, and molecules](#)
- 7611483- [Indicator metrics for infection monitoring](#)
- 7611526- [Spinous process reinforcement device and method](#)
- 7611704- [Compositions and methods for treating viral infections using antibodies and immunoconjugates to aminophospholipids](#)
- 7611711- [VEGFR-3 inhibitor materials and methods](#)
- 7611732- [Nutritional supplement for osteoarthritis](#)
- 7612108- [2-phenylthiophene derivative](#)
- 7612113- [Hydroxy tetrahydro-naphthalenylurea derivatives](#)
- 7615209- [Compositions of NDV and methods of use thereof for treatment of cancer](#)
- 7615213- [Antibodies against human interleukin-13 and pharmaceutical compositions thereof](#)
- 7615223- [Selected immunoconjugates for binding to aminophospholipids](#)
- 7615531- [Methods of reducing the likelihood of spontaneous abortion](#)
- 7615548- [Method to inhibit ischemia and reperfusion injury](#)
- 7615557- [Tetrahydro-naphthalene and urea derivatives](#)
- 7615569- [Inhibitors of ion channels](#)
- 7615575- [Compounds for the treatment of metabolic disorders](#)
- 7615642- [Therapeutic compounds](#)
- 7616991- [Method for digital cardiac rhythm management](#)
- 7615208- [Metal ion-labeled bis-aminoethanethiol-targeting ligand conjugates, compositions, and methods for tissue-specific disease imaging](#)
- 7615028- [Extracorporeal blood treatment and system having reversible blood pumps](#)

- 7615024- [Elastic material for compression braces and the like](#)
- 7612180- [Humanized L243 antibodies](#)
- 7612182- [Anti-IL-6 antibodies, compositions, methods and uses](#)
- 7612225- [Crystal of triterpene derivative](#)
- 7612880- [Advanced polarization imaging method, apparatus, and computer program product for retinal imaging, liquid crystal testing, active remote sensing, and other applications](#)
- 7613336- [Methods and apparatus for image recognition and dictation](#)
- 7613343- [Nosologic system of diagnosis](#)
- 7613518- [Interferential and neuromuscular electrical stimulation system and apparatus](#)
- 7613578- [Method for noninvasive determination of a distribution of electrical current and apparatus for the same](#)
- 7615010- [System for monitoring the physiologic parameters of patients with congestive heart failure](#)
- 7615013- [Methods and devices for cutting and collecting soft tissue](#)
- 7617072- [Device for creating a full three-dimensional representation of a limb of a patient from a reduced number of measurements taken from said limb](#)

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