

Emphysema

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Emphysema is a type of chronic obstructive pulmonary disease, formerly termed chronic obstructive lung disease. It is often caused by exposure to toxic chemicals or long-term exposure to tobacco smoke. Emphysema is caused by loss of elasticity of the lung tissue, from destruction of structures supporting the alveoli, and destruction of capillaries feeding the alveoli. The result is that the small airways collapse during exhalation, leading to an obstructive form of lung disease. Symptoms include shortness of breath on exertion, hyperventilation, and an expanded chest. Emphysema patients are sometimes referred to as "pink puffers". This is because emphysema sufferers may hyperventilate to maintain adequate blood oxygen levels. Hyperventilation explains why mild emphysema patients do not appear cyanotic as chronic bronchitis sufferers often do; hence they are "pink puffers". However, any severely chronically obstructed respiratory disease will result in hypoxia and hypercapnia, called Blue Bloaters. Blue Bloaters are so named as they have almost normal ventilatory drive, are plethoric and cyanotic. ([From the Wikipedia article Emphysema](#).)

Recent Publications on Emphysema:



- [Spontaneous pneumomediastinum: a rare complication of bronchial asthma.](#)
Pneumomediastinum is a rare complication of an acute exacerbation of... 13th November, 2009
Department of Respiratory Medicine, Castle Hill Hospital, Cottingham HU16- J Asthma. 2009 Nov;46(9):969-71.
- [Pleuropulmonary blastoma in an infant.](#)
Pleuropulmonary blastomas (PPB) are rare and highly aggressive tumors.... 12th November, 2009
Department of Pulmonology, the Children's Hospital of Zhejiang University- Indian J Pediatr. 2009 Sep;76(9):948-9. Epub 2009 Nov 4. ([DOI Direct Link](#))
- [Complete traumatic laryngo-tracheal separation.](#)
Laryngotracheal separation injuries are rare and potentially fatal.... 12th November, 2009
Department of Otolaryngology, Head and Neck Surgery, St James's Hospital,- Ir Med J. 2009 Oct;102(9):291-2.
- [Endothelin-1 receptor antagonists prevent the development of pulmonary emphysema in rats.](#)
We hypothesized that endothelin-1 (ET-1) plays an important role in the... 10th November, 2009
Shinshu University School of Medicine, Matsumoto, 390-8621, Japan; and- Eur Respir J. 2009 Nov 6. ([DOI Direct Link](#))
- [Role for cathepsin K in emphysema in smoke-exposed guinea pigs.](#)
The protease-antiprotease imbalance in the lung plays an important role in... 10th November, 2009
Division of Molecular Medicine, Department of Medicine, Columbia- Exp Lung Res. 2009 Oct;35(8):631-45.
- [CT scan appearance, densitometry, and health status in protease inhibitor SZ alpha1-antitrypsin deficiency.](#)

- BACKGROUND: The aim of this study was to uniquely describe CT scan...*7th November, 2009
University Hospital Birmingham NHS Foundation Trust, The University of- Chest. 2009
Nov;136(5):1284-90. ([DOI Direct Link](#))
- [Airway segmentation and analysis for the study of mouse models of lung disease using micro-CT.](#)
*Animal models of lung disease are gaining importance in understanding the...*6th November, 2009
Cancer Imaging Laboratory, Center for Applied Medical Research, 31008- Phys Med Biol. 2009 Nov
21;54(22):7009-24. Epub 2009 Nov 4. ([DOI Direct Link](#))
 - [Esophageal perforation during esophagogastroduodenoscopy.](#)
*An esophageal perforation occurred during an esophagogastroduodenoscopy...*6th November, 2009
East Cooper Medical- Am J Surg. 2009 Nov;198(5):e56-7. ([DOI Direct Link](#))
 - [Tracheal necrosis with surgical emphysema following thyroidectomy.](#)
*Tracheal necrosis after thyroidectomy is an extremely rare event with only...*4th November, 2009
Department of Surgical Oncology, Army Hospital (R and R), Delhi Cantt,- J Postgrad Med. 2009
Jul-Sep;55(3):193-5. ([DOI Direct Link](#))
 - [Modification of the rat airway explant transcriptome by cigarette smoke.](#)
*Although a number of animal model studies have addressed changes in gene...*4th November, 2009
GlaxoSmithKline, King of Prussia, Pennsylvania, USA.- Inhal Toxicol. 2009 Nov 2. ([DOI Direct Link](#))
 - [Multivariate models of determinants of health-related quality of life in severe chronic obstructive pulmonary disease.](#)
*Persons with severe chronic obstructive pulmonary disease (COPD) and...*3rd November, 2009
Department of Veteran Affairs (VA), Veterans Health Administration,- J Rehabil Res Dev.
2009;46(5):643-54.
 - [The critical role of the cellular thiol homeostasis in cadmium perturbation of the lung extracellular matrix.](#)
*Cadmium (Cd) inhalation can result in emphysema. Cd exposure of rat lung...*3rd November, 2009
Department of Biochemistry, Boston University School of Medicine, 72 East- Toxicology. 2009 Oct 29. ([DOI Direct Link](#))
 - [Palovarotene, a novel retinoic acid receptor gamma agonist for the treatment of emphysema.](#)
*Emphysema is characterized by the destruction of alveoli and alveolar...*31st October, 2009
Royal Brompton Hospital, Biomedical Research Unit, Department of- Curr Opin Investig Drugs. 2009
Nov;10(11):1243-50.
 - [Pulmonary Hypertension and CT Measurement of Small Pulmonary Vessels in Severe Emphysema.](#)
*RATIONALE: Vascular alteration of small pulmonary vessels is one of the...*31st October, 2009
Department of Radiology, Brigham and Women's Hospital, Harvard Medical- Am J Respir Crit Care
Med. 2009 Oct 29. ([DOI Direct Link](#))
 - [Adverse health effects due to arsenic exposure: Modification by dietary supplementation of jaggery in mice.](#)
*Populations of villages of eastern India and Bangladesh and many other...*31st October, 2009
Preventive Toxicology Division, Indian Institute of Toxicology Research,- Toxicol Appl Pharmacol. 2009
Oct 27. ([DOI Direct Link](#))

BioNews Results for Emphysema

- [Talecris to Invest \\$268.7 Million to Expand its Manufacturing Facility in Clayton](#)
Genetic Engineering News: Nov 13 2009 10:48PM Matching: emphysema
- [Health warning over lung disease in Hackney](#)
Hackney Gazette: Nov 13 2009 8:38PM Matching: emphysema
- [Lung volume reduction using glue compositions](#)
PharmCast: Nov 12 2009 7:46AM Matching: emphysema
- [UT Southwestern aids national effort to recruit volunteers for medical research](#)
University of Texas: Nov 11 2009 10:37PM Matching: emphysema

- [Talecris Biotherapeutics Announces Third Quarter 2009 Results](#)
Genetic Engineering News: Nov 10 2009 12:22AM Matching: emphysema
- [ASTRO: Stereotactic Radiation Halts Spread of Lung CA](#)
MedPage Today: Nov 9 2009 3:17PM Matching: emphysema
- [Chantix helps people with emphysema stop smoking](#)
Reuters Health: Nov 6 2009 10:43PM Matching: emphysema
- [Precise radiotherapy offers highly effective tumor control](#)
Cancer Facts: Nov 6 2009 2:25PM Matching: emphysema
- [Activist Hester succumbs to cancer \(02/19/06\)](#)
Asbury Park Press: Nov 6 2009 10:39AM Matching: emphysema
- [Swine flu vaccine arrives](#)
Halstead Gazette: Nov 6 2009 10:30AM Matching: emphysema
- [More smokers with mild-to-moderate COPD quit smoking using varenicline compared with placebo: Study](#)
PharmaBiz: Nov 6 2009 5:54AM Matching: emphysema
- [CT Scan Appearance, Densitometry, and Health Status in Protease Inhibitor SZ \$\alpha\$ 1-Antitrypsin Deficiency](#)
CHEST: Nov 5 2009 9:36PM Matching: emphysema
- [Focused radiation may help some with lung cancer](#)
Channel 8 Eyewitness News: Nov 5 2009 11:40PM Matching: emphysema
- [Pfizer: Chantix reduces smoking in COPD patients](#)
Drug Store News: Nov 5 2009 9:18PM Matching: emphysema
- [Focused radiation may help some with lung cancer](#)
WLOX: Nov 5 2009 6:10PM Matching: emphysema

Emphysema Patents:



- 7592450- [Piperazinyl-, piperidinyl- and morpholinyl-derivatives as inhibitors of histone deacetylase](#)
- 7599892- [Method for secure diagnostic screening, servicing, treatment, and compliance monitoring for sleep apnea in truck drivers](#)
- 7601683- [Protein conformational isomers, methods of making, methods for using, compositions comprising and products made therewith](#)
- 7601713- [Kinase inhibitors and their uses](#)
- 7601720- [Nicotinic receptor agonists for the treatment of inflammatory diseases](#)
- 7601809- [Cytokine receptor zcytor19](#)
- 7601836- [Pyrido\[2,3-D\]pyrimidine inhibitors of phosphodiesterase \(PDE\) 7](#)
- 7601874- [Indene derivatives as pharmaceutical agents](#)
- 7604004- [Personal oxygen concentrator](#)
- 7604005- [Adsorbent cartridge for oxygen concentrator](#)
- 7604797- [Compositions and methods for treating burns](#)
- 7599535- [System and method for tree-model visualization for pulmonary embolism detection](#)
- 7598412- [Modulators of ATP-binding cassette transporters](#)
- 7593952- [Enhanced medical treatment system](#)
- 7595038- [Methods of treatment using antibodies to follistatin-3](#)

- [7595317- Barbituric acid derivatives as inhibitors of TNF-.alpha. converting enzyme \(TACE\) and/or matrix metalloproteinases](#)
- [7595341- Analogues of lipid mediators derived from .omega.-3 PUFAs and methods of use](#)
- [7595397- Compounds which modulate the CB2 receptor](#)
- [7596401- Method for expanding the domain of imaging software in a diagnostic work-up](#)
- [7598231- Tricyclic compound, compositions, and methods](#)
- [7598252- Compounds specific to adenosine A, receptors and uses thereof](#)
- [7598267- Muscarinic acetylcholine receptor antagonists](#)
- [7598348- Adiponectin receptor variant, AdipoR2v2](#)
- [7605159- Cathepsin cysteine protease inhibitors and their use](#)
- [7605168- PDE4B inhibitors](#)
- [7605171- \(3,4-disubstituted\)propanoic carboxylates as S1P \(Edg\) receptor agonists](#)
- [7611691- Compounds for treatment of copper overload](#)
- [7611846- Diagnostic methods involving human growth factor huXAG-1](#)
- [7611857- IL-receptor like molecules and uses thereof](#)
- [7611879- 27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- [7612084- Amine derivatives for the treatment of asthma and COPD](#)
- [7615000- Tissue resection device, system, and method](#)
- [7615017- High frequency chest wall oscillation system](#)
- [7615213- Antibodies against human interleukin-13 and pharmaceutical compositions thereof](#)
- [7615553- Inhibitors of histone deacetylase](#)
- [7615562- 2-aminopyrimidine derivatives and their medical use](#)
- [7610919- Intraoral aversion devices and methods](#)
- [7610094- Synergistic use of medical devices for detecting medical disorders](#)
- [7605239- Skeletal-targeted radiation to treat bone-associated pathologies](#)
- [7605258- Processes for the synthesis of individual isomers of mono-peg CCI-779](#)
- [7607436- Methods, devices and formulations for targeted endobronchial therapy](#)
- [7608406- Diagnostic markers of stroke and cerebral injury and methods of use thereof](#)
- [7608452- Polynucleotides encoding cytokine receptor zcytor19](#)
- [7608579- Lung volume reduction using glue compositions](#)
- [7608637- Pharmaceutical composition for treatment of diseases associated with decrease in bone mass comprising EP4 agonist as the active ingredient](#)
- [7608686- Human tumor necrosis factor receptor](#)
- [7608704- Secreted proteins](#)
- [7608716- Pyrazolonaphthyridine derivative](#)
- [7615610- Modified trafficking patterns for arrestin and G-protein-coupled receptors via arrestin-ubiquitin chimera](#)

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