

# Abscess

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An abscess is a collection of pus that has accumulated in a cavity formed by the tissue on the basis of an infectious process or other foreign materials. It is a defensive reaction of the tissue to prevent the spread of infectious materials to other parts of the body. The organisms or foreign materials kill the local cells, resulting in the release of toxins. The toxins trigger an inflammatory response, which draws large numbers of white blood cells to the area and increases the regional blood flow. The final structure of the abscess is an abscess wall, or capsule, that is formed by the adjacent healthy cells in an attempt to keep the pus from infecting neighboring structures. However, such encapsulation tends to prevent immune cells from attacking bacteria in the pus, or from reaching the causative organism or foreign object. Abscesses must be differentiated from empyemas, which are accumulations of pus in a preexisting rather than a newly formed anatomical cavity. ([From the Wikipedia article Abscess.](#))

## Recent Publications on Abscess:



- [Liver abscess and sepsis with \*Bacillus pantothenicus\* in an immunocompetent patient: A first case report.](#)  
*Bacillus species are aerobic, gram-positive, spore forming rods that are...* 13th November, 2009  
Division of Infectious Diseases, Department of Internal Medicine, Eulji- World J Gastroenterol. 2009 Nov 14;15(42):5360-3.
- [Experimental evidence of obesity as a risk factor for severe acute pancreatitis.](#)  
*The incidence of acute pancreatitis, an inflammation of the pancreas, is...* 13th November, 2009  
Service of Gastroenterology, Geneva University Hospitals, Geneva 1205,- World J Gastroenterol. 2009 Nov 14;15(42):5260-5.
- [Intractable lung abscess successfully treated with cavernostomy and free omental plompage using microvascular surgery.](#)  
*A 68-year-old man, complaining of fever and puriform sputum, was referred...* 13th November, 2009  
Department of Surgery, KKR Hokuriku Hospital, Izumigaoka, Kanazawa, Japan.- Gen Thorac Cardiovasc Surg. 2009 Nov;57(11):616-21. Epub 2009 Nov 12. ([DOI Direct Link](#))
- [Comparative study of catheter drainage and needle aspiration in management of large liver abscesses.](#)  
*OBJECTIVE: To compare the effectiveness of percutaneous catheter drainage...* 13th November, 2009  
Department of Surgery, M.G.M Medical College and M.Y. Hospital, Indore,- Indian J Gastroenterol. 2009 May-Jun;28(3):88-92. Epub 2009 Nov 12. ([DOI Direct Link](#))
- [Lung abscess secondary to non-typhoidal salmonellosis in an immunocompetent girl.](#)  
*OBJECTIVE: To compare the effectiveness of percutaneous catheter drainage...* 13th November, 2009  
Department of Pediatrics, The Institute of Child Health, 11 Dr Biresh Guha- Singapore Med J. 2009 Oct;50(10):1033-5.
- [GIANT MULTILOCULAR PROSTATIC ABSCESS.](#)

- OBJECTIVE: To compare the effectiveness of percutaneous catheter drainage...*13th November, 2009  
Urology Unit.Clinica La Luz. Madrid. Spain.- Arch Esp Urol. 2009 Oct;62(8):673-674.
- [Evaluation of capsular and acapsular strains of \*S. aureus\* in an experimental brain abscess model.](#)  
*Brain abscesses are mainly caused by either direct or indirect inoculation...*13th November, 2009  
Department of Neurology, Holtom-Garrett Program in Neuroimmunology,- J Neuroimmunol. 2009 Nov 9. ([DOI Direct Link](#))
  - [A Prospective Study on the Accuracy of Mucosally Supported Stereolithographic Surgical Guides in Fully Edentulous Maxillae.](#)  
*ABSTRACT Background: Flapless implant placement using guided surgery is...*13th November, 2009  
Department of Periodontology and Oral Implantology, Dental School, Faculty- Clin Implant Dent Relat Res. 2009 Nov 10. ([DOI Direct Link](#))
  - [Outcome of medical treatment of stricturing and penetrating Crohn's disease: A retrospective study.](#)  
*BACKGROUND:: Outcomes of medical treatment in patients with stricturing...*11th November, 2009  
Department of Medicine, University of Maryland School of Medicine,- Inflamm Bowel Dis. 2009 Nov 9. ([DOI Direct Link](#))
  - [Effectiveness of Prophylactic Antibiotics in a Population-Based Cohort of Patients Undergoing Planned Cholecystectomy.](#)  
*BACKGROUND: In the absence of randomized controlled trials with sufficient...*11th November, 2009  
Department of Surgery, Mora Hospital, Mora Lasarett, 79285, Mora, Sweden,- J Gastrointest Surg. 2009 Nov 10. ([DOI Direct Link](#))
  - [Management of colon wounds in the setting of damage control laparotomy: a cautionary tale.](#)  
*BACKGROUND: Although colon wounds are commonly treated in the setting of...*11th November, 2009  
Department of Surgery, University of Alabama at Birmingham, Birmingham,- J Trauma. 2009 Nov;67(5):929-35. ([DOI Direct Link](#))
  - [Localization of phosphatidylinositol \(3,4,5\)-trisphosphate to phagosomes in \*Entamoeba histolytica\* using GST- and GFP-tagged lipid biosensors.](#)  
*Entamoeba histolytica is an intestinal protozoan parasite that causes...*11th November, 2009  
Department of Biological Sciences, Clemson University, Clemson, SC 29634,- Infect Immun. 2009 Nov 9. ([DOI Direct Link](#))
  - [Synthesis and evaluation of \(99m\)Tc-moxifloxacin, a potential infection specific imaging agent.](#)  
*To synthesize and evaluate a (99m)Tc labeled fluoroquinolone, moxifloxacin...*11th November, 2009  
Radiopharmaceuticals Laboratory, Board of Radiation and Isotope- Appl Radiat Isot. 2009 Oct 24. ([DOI Direct Link](#))
  - [Fournier's gangrene. Descriptive analysis of 20 cases and literature review.](#)  
*BACKGROUND: Fournier's gangrene is a necrotising fasciitis that usually...*11th November, 2009  
Servicio de Urologia, Hospital General Universitario J.M. Morales- Actas Urol Esp. 2009 Sep;33(8):873-880.
  - [Spontaneous fistulization of a liver abscess into the stomach.](#)  
*ABSTRACT Background: Flapless implant placement using guided surgery is...*30th October, 2009  
Department of Gastroenterology and Hepatology, Centro Hospitalar Vila Nova- Endoscopy. 2009;41 Suppl 2:E260. Epub 2009 Oct 28. ([DOI Direct Link](#))

## BioNews Results for Abscess

- [Disseminated \*Rhodococcus equi\* infection in a kidney transplant patient without initial pulmonary involvement](#)  
*Diagnostic Microbiology and Infectious Disease: Nov 13 2009 4:14PM Matching: abscess*
- [Fat-dissolving procedure carries infection risks](#)  
*Reuters Health: Nov 13 2009 10:46PM Matching: abscess*
- [Photoclinic: MRSA Skin Abscess and Osteomyelitis](#)

- Consultant Live: Nov 12 2009 8:21AM Matching: abscess*
- [CT Contrast Considerations](#)  
*Advance for Imaging & Radiation Oncology: Nov 12 2009 7:09AM Matching: abscess*
  - [Percutaneous drainage remains initial treatment for iliopsoas abscess](#)  
*MedWire News: Nov 11 2009 6:41PM Matching: abscess*
  - [Tularaemia of middle ear with suppurative lymphadenopathy and retropharyngeal abscess](#)  
*MDLinx: Nov 11 2009 10:51AM Matching: abscess*
  - [Drainage Alone May Be Best in Treating Children's Abscesses](#)  
*Modern Medicine: Nov 10 2009 3:41PM Matching: abscess*
  - [Prostatic abscess due to Candida tropicalis](#)  
*Prostate Cancer and Prostatic Diseases: Nov 10 2009 3:59PM Matching: abscess*
  - [The REAL antibiotics scandal: Greedy drug firms are fuelling the rise in superbugs](#)  
*Mail Online UK: Nov 10 2009 3:01AM Matching: abscess*
  - [The REAL antibiotics scandal: Greedy drug firms, not GPs handing out antibiotics, are fuelling the rise in sup](#)  
*Mail Online UK: Nov 10 2009 2:42AM Matching: abscess*
  - [QIAGEN and British Veterinary Laboratories Agency Expand Partnership in Veterinary Testing](#)  
*Bionity.com: Nov 9 2009 8:41AM Matching: abscess*
  - [Medical News: What Is A Dental Abscess? What Causes Dental Abscesses?](#)  
*BioFind: Nov 7 2009 11:56AM Matching: abscess*
  - [Medical News: What Is A Dental Abscess? What Causes Dental Abscesses?](#)  
*BioFind: Nov 7 2009 11:56AM Matching: abscess*
  - [What Is A Dental Abscess? What Causes Dental Abscesses?](#)  
*Medical News Today: Nov 7 2009 11:54AM Matching: abscess*
  - [What Is A Dental Abscess? What Causes Dental Abscesses?](#)  
*MediLexicon: Nov 7 2009 8:51AM Matching: abscess*

#### Abscess Clinical Trials:



- [Management of Skin and Soft Tissue Abscesses in Pediatric Patients After Incision and Drainage](#)

#### Abscess Patents:



- 7569542- [Anti-microbial targeting chimeric pharmaceutical](#)
- 7579375- [Branched carboxylic acid compound and use thereof](#)
- 7579466- [Pyrimidinyl sulfonamide compounds which inhibit leukocyte adhesion mediated by VLA-4](#)
- 7579488- [Vitamin D receptor modulators](#)

- 7582283- [Contrast agents to improve gastrointestinal tract opacification during abdominal and pelvic CT scans](#)
- 7582291- [Bacteriophage lysins for Enterococcus faecalis, Enterococcus faecium and other bacteria](#)
- 7582604- [Template-fixed peptidomimetics with antibacterial activity](#)
- 7582670- [Methods of treating an inflammatory-related disease](#)
- 7582775- [Vitamin D receptor modulators](#)
- 7585515- [Crosslinkable polymeric materials and their applications](#)
- 7585658- [Staphylococcus aureus antigenic polypeptides and compositions](#)
- 7576319- [Systems for differential ion mobility analysis](#)
- 7576069- [2-polycyclic propynyl adenosine analogs having A2A agonist activity](#)
- 7569565- [Pharmaceutical composition for the prevention or treatment of cerebral oedemas](#)
- 7569573- [Diketo acids with nucleobase scaffolds: anti-HIV replication inhibitors targeted at HIV integrase](#)
- 7569608- [Pentanoic acid derivatives](#)
- 7569609- [Pentanoic acid derivatives](#)
- 7569677- [Antibiotic-conjugated antibodies](#)
- 7572580- [Promoter variants of the alpha-7 nicotinic acetylcholine receptor](#)
- 7572618- [Polynucleotides encoding novel PCSK9 variants](#)
- 7572782- [Use of targeted oxidative therapeutic formulation in bone regeneration](#)
- 7575781- [Method for depositing a polymeric coating on a substrate](#)
- 7575918- [Tissue-specific and pathogen-specific ribozymes](#)
- 7589076- [Substituted aryl piperidinylalkynyladenosines as A2AR agonists](#)
- 7592010- [Albumin fusion proteins](#)
- 7592321- [Methods of treating lysosomal storage related diseases by gene therapy](#)
- 7605120- [Antagonists of the bradykinin B1 receptor](#)
- 7605143- [2-propynyl adenosine analogs with modified 5'-ribose groups having A.sub.2A agonist activity](#)
- 7607777- [Method for diagnosis and treatment of processing difficulties, integration problems, imbalances and abnormal postures](#)
- 7608247- [Use of outer membrane protein a in treatment/prevention/diagnosis of bacterial infection in central nervous system and/or peripheral blood circulation](#)
- 7608579- [Lung volume reduction using glue compositions](#)
- 7608704- [Secreted proteins](#)
- 7611454- [Surgical procedure for the treatment of female urinary incontinence: tension-free inside-out transobturator urethral suspension](#)
- 7611702- [TNF-alpha blocker treatment for enterocolitis associated with immunostimulatory therapeutic antibody therapy](#)
- 7611858- [Detection of cannabinoid receptor biomarkers and uses thereof](#)
- 7611879- [27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- 7604802- [Method of obtaining cellular immune responses from proteins](#)
- 7604797- [Compositions and methods for treating burns](#)
- 7595345- [Vitamin D receptor modulators](#)
- 7597665- [Ultrasonic medical device and associated method](#)
- 7598348- [Adiponectin receptor variant, AdipoR2v2](#)
- 7601722- [Aryl sulfamide derivatives and methods of their use](#)
- 7601725- [Thienopyrimidines useful as Aurora kinase inhibitors](#)
- 7601744- [Benzothiadiazolylphenylalkylamine derivatives and methods of their use](#)
- 7601818- [Human anti-NGF neutralizing antibodies as selective NGF pathway inhibitors](#)
- 7601850- [Phenyl-thiophene type vitamin D receptor modulators](#)
- 7601876- [Compounds, compositions and methods for the treatment of amyloid diseases such as systemic AA amyloidosis](#)
- 7603166- [Method and apparatus for detection of vulnerable atherosclerotic plaque](#)
- 7612060- [Triazoles and methods of use](#)

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