

# Mastitis

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Mastitis is the inflammation of the mammalian mammary gland . It is called puerperal mastitis when it occurs in lactating mothers and non-puerperal otherwise. Mastitis can rarely occur in men. Inflammatory breast cancer has symptoms very similar to mastitis and must be ruled out. The popular misconception that mastitis is an infection is highly misleading and in many cases plain wrong. Infections play only a minor role in the pathogenesis of both puerperal and nonpuerperal mastitis and many cases of mastitis are completely aseptic under normal hygienic conditions. Infection as primary cause of mastitis is presumed to be more prevalent in veterinary mastitis and poor hygienic conditions. The symptoms are similar for puerperal and nonpuerperal mastitis but predisposing factors and treatment can be very different. Popular usage of the term mastitis varies by geographic region. Outside the US it is commonly used for puerperal and nonpuerperal cases, in the US the term nonpuerperal mastitis is rarely used and alternative names such as duct ectasia, subareolar abscess and plasma cell mastitis are more frequently used. Chronic cystic mastitis is a different name for fibrocystic disease. American usage: here mastitis usually refers to puerperal mastitis with symptoms of systemic infection. Lighter cases of puerperal mastitis are often called breast engorgement. Names for non-puerperal mastitis are not used very consistently and include Mastitis, Subareolar Abscess, Duct Ectasia, Periductal Inflammation, Zuska's Disease and others. Breast cancer may coincide with or mimic symptoms of mastitis. Only full resolution of symptoms and careful examination are sufficient to exclude the diagnosis of breast cancer. In this wikipedia article mastitis is used in the original sense of the definition as inflammation of the breast with additional qualifiers where appropriate. Mastitis is also a very common condition in Veterinary medicine. ( [From the Wikipedia article Mastitis](#) . )

## Recent Publications on Mastitis:



- [Use of a novel real-time PCR technique to monitor and quantitate Mycoplasma bovis infection in cattle herds with mastitis and respiratory disease.](#)  
*Mycoplasma bovis infection of cattle tends to persist in affected herds...* 21st November, 2009  
Institute of Molecular Pathogenesis, Friedrich-Loeffler-Institut, Federal- Vet J. 2009 Nov 17. ([DOI Direct Link](#))
- [Evaluating the in vitro susceptibility of bovine mastitis pathogens to a combination of kanamycin and cefalexin: Recommendations for a disk diffusion test.](#)  
*Cows suffering from bovine mastitis have markedly reduced milk production...* 20th November, 2009  
Eurofins Medinet, Chantilly, VA 20151.- J Dairy Sci. 2009 Dec;92(12):6217-6227. ([DOI Direct Link](#))
- [Effect of somatic cell count level on functional longevity in Valle del Belice dairy sheep assessed using survival analysis.](#)  
*The objectives of this study were to evaluate the effect of somatic cell...* 20th November, 2009  
Dipartimento S.En.Fi.Mi.Zo.-Sezione Produzioni Animali, Universita degli- J Dairy Sci. 2009 Dec;92(12):6160-6166. ([DOI Direct Link](#))

- [Invited review: Current state of genetic improvement in dairy sheep.](#)  
*Dairy sheep have been farmed traditionally in the Mediterranean basin in...*20th November, 2009  
Research Unit-Genetics and Biotechnology, DIRPA-AGRIS Sardegna, 07040- J Dairy Sci. 2009  
Dec;92(12):5814-5833. ([DOI Direct Link](#))
- [Evaluation of increased milking frequency as an additional treatment for cows with clinical mastitis.](#)  
*This field study focused on the possible effects of increased milking...*19th November, 2009  
Microbiology, Faculty of Mechanical and Bioprocess Engineering, University- J Dairy Res. 2009 Nov  
18:1-5. ([DOI Direct Link](#))
- [Distribution and Antimicrobial Resistance of Clinical and Subclinical Mastitis Pathogens in Dairy Cows in Rhone-Alpes, France.](#)  
*Abstract The goal of this study was to estimate the distribution of...*19th November, 2009  
1 Agence Francaise de Securite Sanitaire des Aliments , Lyon, France .- Foodborne Pathog Dis. 2009  
Nov 17. ([DOI Direct Link](#))
- [26S rDNA-Based Phylogenetic Investigation of Japanese Cattle-Associated Prototheca zopfii Isolates.](#)  
*The study has been conducted to assess the applicability of partial 26S...*17th November, 2009  
Department of Pathobiology, School of Veterinary Medicine, Nihon- J Vet Med Sci. 2009 Nov 13.
- [Molecular Epidemiology and Antimicrobial Resistance Mechanisms of Methicillin-Resistant Staphylococcus aureus Isolated from Bovine Milk.](#)  
*Summary The aim of this study was to identify methicillin-resistant...*17th November, 2009  
Adnan Menderes Universitesi, Veteriner Fakultesi, Mikrobiyoloji AD, Aydin,- Zoonoses Public Health.  
2009 Nov 13. ([DOI Direct Link](#))
- [Toward a Clarification of the Concept Mastitis as Used in Empirical Studies of Breast Inflammation During Lactation.](#)  
*The objective of this study is to clarify use of the term mastitis in...*17th November, 2009  
- J Hum Lact. 2009 Nov 12. ([DOI Direct Link](#))
- [Detection of intercellular adhesion genes and biofilm production in Staphylococcus aureus isolated from bovine subclinical mastitis.](#)  
*Biofilm production by Staphylococcus aureus, an important virulence factor...*11th November, 2009  
Nagpur Veterinary College, Maharashtra Animal and Fishery Sciences- Vet Res Commun. 2009 Nov  
10. ([DOI Direct Link](#))
- [Molecular typing of Staphylococcus aureus strains from ovine mastitis by pulsed-field gel electrophoresis and polymerase chain reaction based on coagulase and protein A gene polymorphisms.](#)  
*Staphylococcus aureus is one of the most important etiologic agents of...*11th November, 2009  
University of Ondokuz Mayıs, Faculty of Veterinary Medicine, Department of- J Vet Diagn Invest. 2009  
Nov;21(6):849-53.
- [In Vitro Activities of Antimicrobials Against Six Important Species of Gram-Negative Bacteria Isolated from Raw Milk Samples in Korea.](#)  
*Abstract Gram-negative bacteria (GNB) with multidrug resistance pose a...*10th November, 2009  
1 Bacteriology and Parasitology Division, National Veterinary Research and- Foodborne Pathog Dis.  
2009 Nov 6. ([DOI Direct Link](#))
- [Onco-reconstructive techniques in the treatment of tuberculosis of the breast.](#)  
*A 54-year-old woman presented with mastitis, which did not respond to...*7th November, 2009  
Department of Reconstructive Plastic Surgery, Royal Devon and Exeter- J Plast Reconstr Aesthet  
Surg. 2009 Nov 3. ([DOI Direct Link](#))
- [Breast Conserving Surgery and Accelerated Partial Breast Irradiation After Prior Breast Radiation Therapy.](#)  
*OBJECTIVE:: Although mastectomy has been traditional treatment for breast...*4th November, 2009  
From the \*Department of Human Oncology, University of Wisconsin, School of- Am J Clin Oncol. 2009  
Oct 30. ([DOI Direct Link](#))



- [Doctor tells Healthy Woman crowd: Lumps not always cancer](#)  
*State Gazette: Nov 7 2009 5:47AM Matching: mastitis*
- [Non-Cancerous Breast Conditions](#)  
*Q13 Fox: Oct 17 2009 4:02AM Matching: mastitis*
- [Non-Cancerous Breast Conditions](#)  
*WNEP-TV 16: Oct 16 2009 1:14PM Matching: mastitis*
- [Non-Cancerous Breast Conditions](#)  
*Hartford Courant: Oct 16 2009 4:54AM Matching: mastitis*

## Mastitis Patents:



- 7534927- [Vacuum bandage packing](#)
- 7563805- [Tri-, tetra-substituted-3-aminopyrrolidine derivative](#)
- 7566447- [Biocides](#)
- 7566542- [Use of protein ASC as a marker for breast cancer](#)
- 7569223- [Phage-associated lytic enzymes for treatment of Streptococcus pneumoniae and related conditions](#)
- 7569232- [Medium chain peroxycarboxylic acid compositions](#)
- 7569338- [Diagnostic assays of secreted biological fluids for detection of infection and inflammatory conditions](#)
- 7569384- [Albumin fusion proteins](#)
- 7570357- [Visible/near-infrared spectrometry and its device](#)
- 7572439- [Enzyme disruption of bacterial biofilms](#)
- 7572602- [Nucleic acid encoding endolysin fusion protein](#)
- 7553871- [Fatty acid antimicrobial](#)
- 7553828- [9-aminomethyl substituted minocycline compounds](#)
- 7553504- [Feeds containing hop acids and uses thereof as supplements in animal feeds](#)
- 7536975- [Plasma-assisted disinfection of milking machines](#)
- 7540848- [Negative pressure treatment system with heating and cooling provision](#)
- 7544356- [Composition for the improvement of liver function, the reduction of serum ethanol level and antioxidant activity enhancement](#)
- 7544709- [Derivatives of andrimide and moiramide B having antibacterial properties](#)
- 7547241- [Brassiere](#)
- 7547364- [Spray device for cooling cattle in sheds and method of using the same](#)
- 7547421- [Apparatus and method for making a peroxycarboxylic acid](#)
- 7550139- [Megasphaera elsdenii strain and its uses](#)
- 7550569- [Antibodies that specifically bind to GMAD](#)
- 7553306- [Negative pressure therapy using wall suction](#)
- 7572628- [Eukaryotic layered vector initiation systems](#)
- 7576132- [Arginine silicate inositol complex and use thereof](#)
- 7600484- [On-farm separation of milk components](#)
- 7600485- [Method for calibration of milk meters in a milking system](#)
- 7601804- [Streptococcus uberis protein, nucleic acid sequence encoding the same and its use in a mastitis vaccine](#)

- 7608451- [Gene regulation in transgenic animals using a transposon-based vector](#)
- 7608589- [Peptidyl diacylglycerides](#)
- 7611500- [Wound therapy device and related methods](#)
- 7611879- [27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- 7612053- [7-Substituted fused ring tetracycline compounds](#)
- 7615036- [Device and method for wound therapy](#)
- 7618382- [Therapeutic apparatus for treating ulcers by applying positive and/or negative pressures](#)
- 7598061- [Mold infections](#)
- 7597886- [Tumor necrosis factor-gamma](#)
- 7595399- [Tyrosine derivatives](#)
- 7579158- [Cellular retinoic acid binding protein II as a marker for breast cancer](#)
- 7579162- [Method of detection in homogeneous phase, especially of progesterone in mammals' milk, and corresponding kit](#)
- 7582729- [Nucleic acids and polypeptides of C.sub.1 bacteriophage and uses thereof](#)
- 7586003- [Derivatives of seleno-amino acids](#)
- 7588909- [Method for detecting Streptococcus agalactiae using .alpha.-glucosidase activity](#)
- 7589067- [6, 11-bridged tricyclic macrolides](#)
- 7592010- [Albumin fusion proteins](#)
- 7592011- [Genes and proteins, and their use](#)
- 7592326- [Method for stimulating the immune, inflammatory or neuroprotective response](#)
- 7595309- [7-substituted tetracycline compounds](#)
- 7618829- [Method of detecting multiple analytes](#)

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