

Myiasis

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Myiasis is an animal or human disease caused by parasitic dipterous fly larvae feeding on the host's necrotic or living tissue. Colloquialisms for Myiasis include "fly-strike" and "fly-blown". Blowfly strike, known as myiasis, is a common disease in sheep, especially in areas where there are hot and wet conditions. The female flies lay their eggs on the sheep in damp, protected areas soiled with urine and faeces, mainly on the sheep's breech. It takes approximately 8 hours to a day for the eggs to hatch, depending on the conditions. This results in sores as the larvae lacerate the skin and this is the primary reason for the early removal of lambs' tails. The larvae then tunnel into the host's tissue causing irritating lesions. After about the second day bacterial infection occurs and if left untreated causes toxemia or septicemia. This leads to anorexia and weakness and if untreated will lead to death. Blowfly strike accounts for over \$170 million a year in losses in the Australian sheep industry and so prevention measures such as mulesing are practiced. Infestation of vulvar area with larvae and maggots is called Vulvar Myiasis. German entomologist Fritz Zumpt describes myiasis as "the infestation of live human and vertebrate animals with dipterous larvae, which at least for a period, feed on the host's dead or living tissue, liquid body substances, or ingested food." ([From the Wikipedia article Myiasis](#).)

Recent Publications on Myiasis:



- [Orbital myiasis complicating squamous cell carcinoma of eyelid.](#)
Myiasis is infestation of the body by fly maggots. Immobile patients with... 4th February, 2010
Department of Ophthalmology, Queen Mary Hospital, Pokfulam Road, Hong- Hong Kong Med J. 2010 Feb;16(1):63-5.
- [A nasal myiasis in a 76-year-old female in Korea.](#)
On July 2009, 5 fly larvae were discovered inside the nose of a... 4th February, 2010
Department of Laboratory Medicine, Dankook University Hospital, Cheonan- Korean J Parasitol. 2009 Dec;47(4):405-7. Epub 2009 Dec 2. ([DOI Direct Link](#))
- [Furuncular Myiasis from *Dermatobia hominus*: A Case of Human Botfly Infestation.](#)
Background: Travelers to tropical regions are at risk for a myriad of... 2nd February, 2010
Department of Emergency Medicine, New York-Presbyterian: Weill-Cornell- J Emerg Med. 2010 Jan 29. ([DOI Direct Link](#))
- [Lymphadenopathy and expression of nodal mast cells and eosinophils in the myiasis by human bot fly.](#)
*Wistar rats (*Rattus norvegicus*) infested with *Dermatobia hominis* (L. Jr.,...* 2nd February, 2010
Department of Parasitology, Institute of Biological Sciences, Federal- J Med Entomol. 2009 Nov;46(6):1514-8.
- [High prevalence of myiasis by *Oestrus ovis* in the Balearic Islands.](#)
Background: Travelers to tropical regions are at risk for a myriad of... 23rd January, 2010
- Parasite. 2009 Dec;16(4):323-4.

- [Unilateral acute conjunctivitis due to ophthalmomyiasis externa caused by larva of Oestrus ovis.](#)
*Human cutaneous myiasis is a common disease in endemic tropical zones....*22nd January, 2010
- J Pediatr Ophthalmol Strabismus. 2009 Nov-Dec;46(6):380-1. doi: ([DOI Direct Link](#))
- [Human myiasis in anal carcinomatous ulcer--a case report.](#)
*A 65-year-old male having a painless ulcer in the perianal region for last...*21st January, 2010
Fine Morning Hospital and Research Center Gupta Nursing Home, Laxminagar,- Eur Rev Med Pharmacol Sci. 2009 Nov-Dec;13(6):473-4.
- [Nasal and ophthalmomyiasis: case report.](#)
*Objective:We report a rare case of a 51-year-old woman with ocular and...*14th January, 2010
Department of Otolaryngology, Head and Neck Surgery, Sunderland Royal- J Laryngol Otol. 2010 Jan 13:1-2. ([DOI Direct Link](#))
- [Cutaneous myiasis due to Cochliomyia hominivorax in a drug user.](#)
*Myiasis is the condition resulting from the invasion of tissues or organs...*12th January, 2010
Infectious Diseases Francisco J Muniz Hospital, Buenos Aires, Argentina.- J Infect Dev Ctries. 2009 Dec 14;3(11):873-6.
- [Nasal myiasis: the role of endoscopy.](#)
*Myiasis is the condition resulting from the invasion of tissues or organs...*17th December, 2009
Department of Otorhinolaryngology-Head and Neck Surgery, The Chinese- Ear Nose Throat J. 2009 Dec;88(12):1250-1.
- [Aural myiasis in a neonate in peninsular Malaysia.](#)
*ABSTRACT: Myiasis is a pathological condition in humans and animals caused...*17th December, 2009
Medical Entomology Unit, Infectious Diseases Research Centre, Institute- Parasit Vectors. 2009 Dec 15;2(1):63. ([DOI Direct Link](#))
- [Oral myiasis in a captive hippopotamus.](#)
*Causes of dental infections can be related to failed dental eruption,...*3rd December, 2009
Department of Surgery, Comparative Dental Laboratory, School of Veterinary- J Vet Dent. 2009 Fall;26(3):168-70.
- [Analysis of somatic and salivary gland antigens of third stage larvae of Rhinoestrus spp. \(Diptera, Oestridae\).](#)
*Larvae of Rhinoestrus spp. (Diptera, Oestridae) infect nasal and sinus...*2nd December, 2009
Department of Comparative Biomedical Sciences, Faculty of Veterinary- Exp Parasitol. 2009 Dec 3. ([DOI Direct Link](#))
- [Furuncular myiasis: unusual case of African Dermatobia hominis.](#)
*Human cutaneous myiasis is a common disease in endemic tropical zones....*26th November, 2009
Department of Dermatology, Military Hospital Mohamed V, Rabat, Morocco.- Dermatol Online J. 2009 Sep 15;15(9):11.
- [\[Maggots in the wound, debridement, disinfection and wound healing\]](#)
*An 87-year-old man had a longstanding untreated large basosquamous...*11th November, 2009
Jeroen Bosch Ziekenhuis, afd. Plastische Chirurgie, 's-Hertogenbosch, The- Ned Tijdschr Geneesk. 2009;153:A624.

Myiasis Patents:



- 7091232- [4-\(substituted cycloalkylmethyl\) imidazole-2-thiones, 4-\(substituted cycloalkenylmethyl\)](#)

- [imidazole-2-thiones, 4-\(substituted cycloalkylmethyl\) imidazol-2-ones and 4-\(substituted cycloalkenylmethyl\) imidazol-2-ones and related compounds](#)
- 7378557- [Methods for preparing isolongifolenone and its use in repelling arthropods](#)
- 7385045- [Canine B7-1 nucleic acid molecules](#)
- 7390829- [Alpha-2 adrenergic agonists](#)
- 7396849- [4-\(Condensed cyclicmethyl\)-imidazole-2-thiones acting as .alpha..sub.2 adrenergic agonists](#)
- 7399868- [4-\(Heteroaryl-methyl and substituted heteroaryl-methyl\)-imidazole-2-thiones acting as alpha2 adrenergic agonists](#)
- 7419994- [4-\(substituted cycloalkylmethyl\) imidazole-2-thiones, 4-\(substituted cycloalkenylmethyl\) imidazole-2- thiones, 4-\(substituted cycloalkylmethyl\) imidazol-2-ones and 4-\(substituted cyloalkenylmethyl\) imidazol-2-ones and related compounds](#)
- 7427685- [Therapeutic substituted cyclopentanes](#)
- 7435753- [Substituted arylpyrazoles](#)
- 7439372- [Therapeutic compounds](#)
- 7468360- [Therapeutic amides and related compounds](#)
- 7375122- [Compounds useful as pesticides](#)
- 7359748- [Apparatus for total immersion photography](#)
- 7345077- [4-\(substituted cycloalkylmethyl\) imidazole-2-thiones, 4-\(substituted cycloalkenylmethyl\) imidazole-2-thiones, 4- \(substituted cycloalkylmethyl\) imidazol-2-ones and 4- \(substituted cycloalkenylmethyl\) imidazol-2-ones and related compounds](#)
- 7105574- [Adjuvant compositions and methods for enhancing immune responses to polynucleotide-based vaccines](#)
- 7128921- [Dermatophagoides proteins and fragments thereof](#)
- 7166693- [Ectoparasite saliva proteins](#)
- 7172873- [Methods of detecting early renal disease in animals](#)
- 7256263- [Dermatophagoides proteins and uses thereof](#)
- 7268120- [Methods for treating cancer using cytokine-expressing polynucleotides](#)
- 7276522- [4-\(substituted cycloalkylmethyl\) imidazole-2-thiones, 4-\(substituted cycloalkenylmethyl\) imidazole-2-thiones, 4-\(substituted cycloalkylmethyl\) imidazol-2-ones, 4-\(substituted cycloalkenylmethyl\) imidazol-2-ones and related compounds](#)
- 7294647- [Kappa agonist compounds and pharmaceutical formulations thereof](#)
- 7314627- [Cationic lipid-mediated enhancement of nucleic acid immunization of cats](#)
- 7323477- [7-\(\(1H-imidazol-4-yl\)methyl\)-5,6,7,8-tetrahydroquinoline](#)
- 7470675- [Methods for treating cancer using interferon-.omega.-expressing polynucleotides](#)
- 7476685- [Pyridine carboxamide derivatives and their use as pesticides](#)
- 7576107- [5-substituted-alkylaminopyrazole derivatives as pesticides](#)
- 7579016- [Methods for repelling arthropods using isolongifolenone analogs](#)
- 7582613- [Adjuvant compositions and methods for enhancing immune responses to polynucleotide-based vaccines](#)
- 7585895- [Therapeutic substituted cyclopentanes](#)
- 7589057- [Oil-in-water method for making alpha-2 agonist polymeric drug delivery systems](#)
- 7589187- [Dermatophagoides nucleic acid molecules](#)
- 7592362- [Substituted imidazoles](#)
- 7625842- [1-arylpyrazole derivatives pesticidal agents](#)
- 7628982- [Composition and corresponding method of using spores of Bacillus subtilis to stimulate and/or enhance immune response in mammals](#)
- 7629446- [Nucleic acid molecules encoding a novel ectoparasite saliva protein](#)
- 7569584- [4-\(2-methyl-5,6,7,8-tetrahydro-quinolin-7-ylmethyl\)-1,3-dihydro-imidazole-- 2-thione as specific alpha.sub.2b agonist and methods of using the same](#)
- 7560456- [Pesticidal pyridinecarboxamide derivatives](#)
- 7557132- [Compounds useful as pesticides](#)
- 7482128- [Anti-feline albumin antibodies](#)
- 7491844- [Therapeutic cyclopentane derivatives](#)

- 7504362- [Pesticidal compositions](#)
- 7514428- [Pesticidal 1-aryl-3-amidoxime-pyrazole derivatives](#)
- 7514464- [Substituted arylpyrazoles](#)
- 7514561- [Pesticidal 5-\(acylamino\) pyrazole derivatives](#)
- 7517877- [5-substituted-alkylaminopyrazole derivatives as pesticides](#)
- 7538134- [Substituted arylpyrazoles](#)
- 7544706- [Substituted imidazoles](#)
- 7547718- [Substituted imidazoles](#)
- 7645786- [Substituted arylpyrazoles](#)

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