

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:



- [\[Maggots in the wound, debridement, disinfection and wound healing\]](#)
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 Geneeskd. 2009;153:A624.
- [Imported tropical diseases.](#)
Imported tropical diseases are among the top three leading causes for... 6th November, 2009
Section of Dermatology, University of Chicago Medical Center, Chicago, IL- Dermatol Ther. 2009 Nov-Dec;22(6):538-49. ([DOI Direct Link](#))
- [Cutaneous ectoparasites.](#)
Parasites inhabit many places in the world. Some of these can inhabit the... 6th November, 2009
Wright State Boonshoft School of Medicine, Dayton, OH 45202, USA.- Dermatol Ther. 2009 Nov-Dec;22(6):503-17. ([DOI Direct Link](#))
- [Cutaneous myiasis due to Dermatobia hominis \(the human botfly\) in a New Zealand traveller returned from South America.](#)
We report a case of botfly myiasis presenting as an ankle cellulitis in a... 5th November, 2009
- N Z Med J. 2009 Sep 11;122(1302):95-9.
- [Otomiasis by Wohlfahrtia magnifica.](#)
Myiasis has been defined as the infestation of tissue with dipterous... 4th November, 2009
From the Departments of *Otorhinolaryngology and daggerMicrobiology and- J Craniofac Surg. 2009

- Oct 30. ([DOI Direct Link](#))
- [Oestrus ovis larval myiasis among sheep and goats in Central Oromia, Ethiopia.](#)
A study was conducted to determine the prevalence, larval burden, and...3rd November, 2009
School of Veterinary Medicine, College of Agriculture and Veterinary- Trop Anim Health Prod. 2009
Nov 1. ([DOI Direct Link](#))
 - [Wound myiasis in a patient with squamous cell carcinoma.](#)
A 60-year-old, otherwise healthy, male farmer presented to our Dermatology...3rd November, 2009
Dermatology Department, Faghihi Hospital, Shiraz, Iran.- ScientificWorldJournal. 2009 Nov 1;9:1192-3.
([DOI Direct Link](#))
 - [Furuncular myiasis in a child caused by Wohlfahrtia magnifica \(Diptera: Sarcophagidae\) associated with eosinophilia.](#)
We report the case of an eight-year-old boy with hypereosinophilia who...30th October, 2009
Department of Pediatric Infectious Diseases, Dr. Sami Ulus Children's- Turk J Pediatr. 2009
May-Jun;51(3):279-81.
 - [Military tropical medicine.](#)
Tropical diseases remain a significant threat to deployed military...29th October, 2009
Department of Military Medicine, Royal Centre for Defence Medicine,- J R Army Med Corps. 2009
Mar;155(1):34-7.
 - [\[A furuncular ankle cellulitis in a teenager with a difference: Dermatobia hominis\]](#)
We report a case of botfly myiasis presenting as an ankle cellulitis in a...20th October, 2009
Service de pediatrie et neonatologie, Service de bacteriologie, CHG Robert- Arch Pediatr. 2009 Oct;16
Suppl 2:S127-8. ([DOI Direct Link](#))
 - [Myiasis after study trip to French Guiana.](#)
Summary Cutaneous myiasis is usually a harmless tropical disease caused by...17th October, 2009
Department of Dermatology and Allergy, University of Ulm, Germany.- J Dtsch Dermatol Ges. 2009 Oct
13. ([DOI Direct Link](#))
 - [\[A Danish intestinal pseudomyiasis case caused by Eristalis tenax\]](#)
Intestinal pseudomyiasis caused by the larvae of the drone fly Eristalis...17th October, 2009
Klinisk Mikrobiologisk Afdeling, Regionshospitalet Herning, Gl. landevej- Ugeskr Laeger. 2009 Sep
28;171(40):2922-3.
 - [The dangers of an adventurous partner: Cordylobia anthropophaga infestation in London.](#)
We describe a case of cutaneous myiasis caused by Cordylobia anthropophaga...13th October, 2009
Hospital for Tropical Diseases, University College London Hospitals NHS- Trans R Soc Trop Med Hyg.
2009 Oct 7. ([DOI Direct Link](#))
 - [Myiasis caused by the New World screwworm fly Cochliomyia hominivorax \(Diptera: Calliphoridae\) in cats from Brazil: report of five cases.](#)
This paper reports five cases of intact adult male crossbreed cats...3rd October, 2009
Departamento de Parasitologia Animal, Instituto de Veterinaria (IV),- J Feline Med Surg. 2009 Sep 29. ([DOI Direct Link](#))
 - [Detection of cutaneous myiasis in sheep using an 'electronic nose'](#)
Cutaneous myiasis (flystrike), in Australia caused primarily by Lucilia...29th September, 2009
Animal Research Institute, Queensland Primary Industries and Fisheries,- Vet Parasitol. 2009 Sep 4. ([DOI Direct Link](#))

Myiasis Patents:



- [6875748- Compositions and methods for in vivo delivery of polynucleotide-based therapeutics](#)
- [7323477- 7-\(\(1H-imidazol-4-yl\)methyl\)-5,6,7,8-tetrahydroquinoline](#)
- [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](#)
- [7359748- Apparatus for total immersion photography](#)
- [7375122- Compounds useful as pesticides](#)
- [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](#)
- [7314627- Cationic lipid-mediated enhancement of nucleic acid immunization of cats](#)
- [7294647- Kappa agonist compounds and pharmaceutical formulations thereof](#)
- [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](#)
- [6960612- Kappa agonist compounds, pharmaceutical formulations and method of prevention and treatment of pruritus therewith](#)
- [7053181- Canine and feline B7-2 proteins, compositions and uses thereof](#)
- [7060723- Treating neurological disorders using selective antagonists of persistent sodium current](#)
- [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](#)
- [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](#)
- [7427685- Therapeutic substituted cyclopentanes](#)
- [7435753- Substituted arylpyrazoles](#)
- [7547718- Substituted imidazoles](#)
- [7557132- Compounds useful as pesticides](#)
- [7560456- Pesticidal pyridinecarboxamide derivatives](#)
- [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](#)
- [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](#)
- [7544706- Substituted imidazoles](#)
- [7538134- Substituted arylpyrazoles](#)
- [7517877- 5-substituted-alkylaminopyrazole derivatives as pesticides](#)
- [7439372- Therapeutic compounds](#)

- 7468360- [Therapeutic amides and related compounds](#)
- 7470675- [Methods for treating cancer using interferon-omega.-expressing polynucleotides](#)
- 7476685- [Pyridine carboxamide derivatives and their use 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](#)
- 7592362- [Substituted imidazoles](#)

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