



DOI: 10.22034/vj.2016.106300

• Veterinary Journal (Pajouhesh & Sazandegi) No 112 pp: 73-76

The first report of oral myiasis caused by *Lucilia sericata* (Diptera: Calliphoridae) in the goat from Kerman, Iran
 By: Samimi, A.S., (Corresponding Author) Assistant professor of Clinical Sciences Department, School of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran. Noorollahifard, S.R., Associate professor of pathobiology Department, School of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran. Khedri, Kh., Ph.D Student of parasitology, School of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran. Khalili, H., Resident of Large Animal Internal Medicine, School of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran.

Email: amirsamimi90@yahoo.com

Received: October 2015 Accepted: October 2015

Lucilia sericata is one of the facultative parasites which cause myiasis in animals and rarely in humans as an ectoparasite. Infestation in humans and domestic herbivorous animals occurs in wounds which causes itching and inflammation. We report on a 4-year-old goat from Kerman, with signs of anorexia, progressive emaciation, decreasing mental clearness, and coma. From the wounds of her oral cavity, many live larvae were removed. The larvae proved to be *L. sericata*. This present report is the first report of oral myiasis with osteolysis caused by *L. sericata* in goat.

Key words: *Lucilia sericata*, Calliphoridae, Oral myiasis, Goat, Kerman

1840 Hope
 26() :
 17()
 220()
 1()
 93/7/6
 150 ()
 113()
 50-150)1 19()
 30-14) ()
 70) ()
 14-6)
 15()

.)2 (

L. sericata

()

.)12(

L. sericata

.)16(

Strike

.)1(

Lucilia

L. sericata

.)7(

L. sericata

Strike myiasis .)1(

:

.)1(

L. sericata

.)1(

1826

.)5(

.)2009(

L. sericata

.)2004(

L. sericata

.)1(

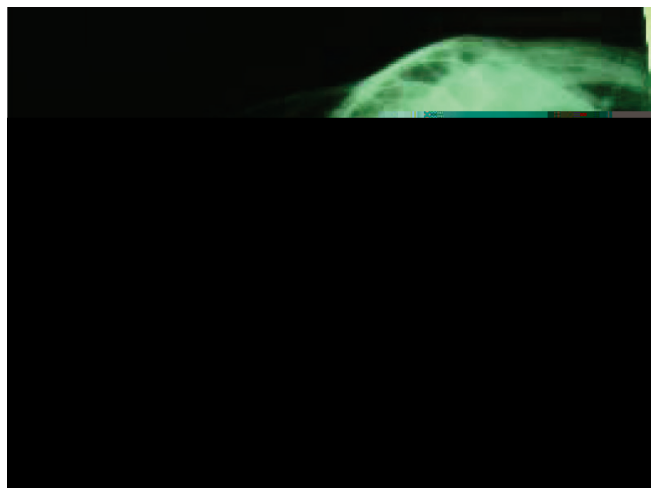
.)1 14(

.)2(



-1

L. sericata



-2

1388

-1

.290-234

1392

-2

Wohlfahrtia magnifica (Diptera: Sarcophagidae)

- 3-Anil, S, Jacob, O.A. and Hari, S. (1989) Oral myiasis: A case report. *Ann Dentist*, 48: 28-30.
- 4-Aydenizöz, M. and Dik, B. (2008) Bir Kuzuda Wohlfahrtia magnifica (Diptera: Sarcophagidae)'dan kaynaklanan gingival miyaz olgusu. *Türkiye Parazitoloji Dergisi*, 32: 79-81.
- 5-Daniel, M., Sramova, H., Zalabska, E. (1994) *Lucilia sericata* (Diptera: Calliphoridae) causing hospital-acquired myiasis of a traumatic wound. *The Journal of Hospital Infection*, 28: 149-52.
- 6-Hope, F.W. (1840) On insects and their larvae occasionally found in the human body. *Transaction of the Entomological Society*, 2: 256.
- 7-Kaufman, G.L., Gandevia, B.H., Bellas, T.E., Tovey, E.R., Baldo, B.A. (1989) Occupational allergy in an entomological research center. Clinical aspects of reactions to the sheep blowfly *Lucilia cuprina*. *British Journal Medical*, 46: 473 – 8.
- 8-Laurence, S.M. (1909) Dipterous larvae infection. *British Medical Journal*, 9: 88-90.
- 9-Magnerelli, L., and Andreadis, T. (1981) Human cases of furuncular, traumatic, and nasal myiasis in Connecticut. *American Journal of Tropical Medicine*, 30: 864-96.
- 10-Martinez, I.R., Soler-Cruz, M.D., Benitez-Rodriguez, R., Perez-Jimenez, J.M. and Diaz-Lopez, M. (1989) Postembryonic development of *Wohlfahrtia magnifica* (Diptera: Sarcophagidae). *Journal of Parasitology*, 75: 531-539.
- 11-Martinez, I.R., and Leclercq, M. (1994) Data on distribution of screw worm fly *Wohlfahrtia magnifica* (Schiner) in Southwestern Europe (Diptera: Sarcophagidae). *Notes fauniques de Gembloux*, 28: 53-60.
- 12-Mateos, M., Leon, A., Gonzalez-Herranz, P., Burgos, J., Lopez-Mondejar, J.A., Baquero, F. (1990) *Lucilia sericata* infestation of the skin openings for the bone traction device in lengthening of the tibia: apropos of a case [in Spanish]. *Enfermedades Infecciosas Microbiologia Clinica*, 8: 365 – 367.
- 13-Patton, W.S. (1922) Notes on the myiasis-producing diptera of man and animals. *Bulletin of Entomological Research*, 12: 239–261.
- 14-Pirali-kheirabadi, K.H., Cheraghchi-Bashi, M., Navidpour, S.H. (2010) Infestation of an owl (*Bubo bubo*) with *Lucilia spp.* *Comparative Clinical Pathology*, 19: 221-224.
- 15-Talari, S.A., Sadr, F., Doroodgar, A., Talari, M.R., Gharabagh, A.S. (2004) Wound myiasis caused by *Lucilia sericata*. *Archives of Iranian Medicine*, 7: 128-129.
- 16-Service, M.W. (1996) *Medical Entomology for Students*. London; New York: Chapman and Hall.
- 17-Sharma, J., Mamatha, G.P. and Acharya, R. (2008) Primary oral myiasis: A case report. *Medicina Oral Patologia Oral Cirugia Bucal*, 13: 714- 6.
- 18-Soler-Cruz, M.D., Vega Robles, M.C. and Thomas, G. (1966) In vivo rearing and development of *Wohlfahrtia magnifica* (Diptera: Sarcophagidae). *Journal of Medical Entomology*, 33: 586-591.
- 19-Wall, R., and Shearer, D. (2001) *Veterinary ectoparasites: biology, pathology and control*. London: Blackwell science.
- 20-Zumpt, F. (1965) *Myiasis in man and animals in the old world*. London: Butterworths.

