

Gingival Myiasis of Dog Caused by *Wohlfahrtia magnifica*, Garmsar, Iran

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Abstract : Myiasis is defined as the infestation of living tissues of vertebrates by larvae of flies. Gingival myiasis is an uncommon type of myiasis. In oral inspection of a death dog (Garmsar, Iran) for routine training postmortem investigation, gingival myiasis was found. Only one larva was removed from the lesions and sent to a parasitology laboratory for identification. For histopathological studies, affected area of the gingiva was cut and placed in 10% formalin, and then sent to pathology laboratory. On parasitological examination the causative agent of this condition was found as larva of *Wohlfahrtia magnifica*. Histopathological examination of the injured gingiva showed hyperplasia of squamous epithelial tissue and acanthosis in mucosal membrane, hyperemia and infiltration of mononuclear cells and eosinophils into lamina propria. The present report seems to be the first report of gingival myiasis in dog in Iran.

Keywords : *Wohlfahrtia magnifica*, gingiva, myiasis, dog

Conference Title : ICLHWAC 2016 : International Conference on Livestock Health, Welfare and Animal Care

Conference Location : Istanbul, Türkiye

Conference Dates : April 19-20, 2016