



## Infectious and non-infectious eye affections in camel : A review

Muna Tawfeeq Abd<sup>1\*</sup>, Ghasaq Sami Mshary<sup>2</sup>, Sarah A. Al\_Khafaji<sup>3</sup>, Iman K. M. Alabadi<sup>4</sup>,  
Mohenned A. Alsaadawi<sup>5</sup>

<sup>1\*</sup>Department of Internal and Preventive Medicine/ Veterinary Medicine College, Al-Muthanna University, Iraq. <https://orcid.org/0000-0003-4024-9487>. [munatawfeeq87@mu.edu.iq](mailto:munatawfeeq87@mu.edu.iq)

<sup>2</sup> Department of physiology and Pharmacology/ Veterinary Medicine College, Al-Muthanna University, Iraq. <https://orcid.org/0000-0002-8770-7468>. [ghassaq51@mu.edu.iq](mailto:ghassaq51@mu.edu.iq)

<sup>3</sup> Department of Microbiology / Veterinary Medicine College, Al-Muthanna University, Iraq. [sarahbiology89@mu.edu.iq](mailto:sarahbiology89@mu.edu.iq)

<sup>4</sup> Department of pathology and poultry/ Veterinary Medicine College, Al-Muthanna University, Iraq. [imankmalabadi@mu.edu.iq](mailto:imankmalabadi@mu.edu.iq)

<sup>5</sup> Department of Microbiology / Veterinary Medicine College, Al-Muthanna University, Iraq.

<https://orcid.org/0000-0003-1087-015X> . [mohenned.hemza@mu.edu.iq](mailto:mohenned.hemza@mu.edu.iq)

### ARTICLE INFO

**Received:** 05.06.2022

**Revised:** 10.07.2022

**Accepted:** 15.07.2022

**Publish online:** 20.07.2022

### \*Corresponding author:

**Muna Tawfeeq Abd:** Email address:  
[munatawfeeq87@mu.edu.iq](mailto:munatawfeeq87@mu.edu.iq)

### Abstract

*Camel environment can be varied as* this animal is a well-adapted in arid and semi-arid areas and contributing greatly to the food security of pastoralist. This kind of livestock animal can resist different illnesses. However, a lot of research discussed the increasingly sensitivity to a wide range of eye

diseases. This review will explain the ophthalmic diseases either that being infectious and non- infectious. The bacterial pathogens are responsible of the most prevalent pathogenic infections. Other infectious pathogens of eye diseases could be parasitic, fungal or viral. The non-infectious ophthalmic diseases relate mainly to laceration of cornea and eyelids, ophthalmitis, rupture or absent of eyeballs, uveitis, corneal opacity (cataract), conjunctivitis, keratitis, Blepharitis, glaucoma, entropion, corneal neoplasm, dacryocystitis and staphyloma. The research about eye infections in camels need more deepest and accurate studies focusing on detection of etiology, diagnosis and treatment since these diseases have serious effects and could be zoonotic.

**To Cite this article:** Muna Tawfeeq Abd; Ghasaq Sami Mshary; Sarah A. Al\_Khafaji; Iman K. M. Alabadi; Mohenned A. Alsaadawi (2022). Infectious and non-infectious eye affections in camel : A review (2022). MRVSA. 11 (1): 11-23. [Doi: http://dx.doi.org/10.22428/mrvsa-2022-00111-02](http://dx.doi.org/10.22428/mrvsa-2022-00111-02)

**Keywords:** Camel, Dromedary, Eye, ocular viral disease, ocular parasitology disease, ocular bacteriology disease.

Doi: <http://dx.doi.org/10.22428/mrvsa-2022-00111-02>

