

Ocular Manifestation in Dogs with Multicentric Lymphoma: 2 cases

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Signalment: Two dogs were referred to Royal animal medical center with a history of ocular problems. On the opthalmic examination, clinical signs of two dogs were severe hyperemia, corneal edema, chemosis, neovascularization, uveitis, hypopyon and blindness. On physical examination, peripheral lymph nodes were enlarged. Diagnostic work up included complete blood count, serum biochemistry, radiography, ultrasonography, conjunctival swab and puncture of aqueous humor.

Results: On radiographic and ultrasonographic examination, mesenteric lymph nodes were enlarged. Cytological examination of aqueous humor revealed lymphoma, and included severe uveitis. The dog's owners did not agree to treat their pets. One dog was euthanized at the time of diagnosis, and the other was sent home, died after 5 months.

Clinical relevance: Based on the physical and laboratory examination, radiographic and cytologic findings, these cases were diagnosed as multicentric lymphoma with involvement of the ocular region. This is reported that cytological examination of aqueous humor would be helpful to diagnosis ocular manifestation with multicentric lymphoma.

Key words: multicentric lymphoma, aqueous humor, dog

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