

## Congenital Microphthalmos and a Limbal Dermoid in a Dog

Taehyun Kim, Manbok Jeong, Seeun Kim, Youngwoo Park, Jaesang Ahn, Jeongtaek Ahn,  
Yooncheol Ha<sup>1</sup>, Chanhee Chae<sup>1</sup> and Kangmoon Seo\*

*Department of Veterinary Surgery and Ophthalmology, and <sup>1</sup>Pathology, College of Veterinary  
Medicine and BK21 Program for Veterinary Science, Seoul National University*

**Signalment:** A 2-year-old castrated male Maltese dog was referred with a history of a mass on the temporal limbal region and small globe of the right eye since birth. The irritation by the mass had caused recurrent corneal ulcers with conjunctivitis. The mass and the ocular irritation had relapsed despite twice surgical treatments.

**Results:** On ophthalmic examinations, it was observed that the right eye was smaller than normal and the mass on the eye had typical skin-like appearance containing hairs. Although the globe size of the right eye was small, visual function of the eye was normal. The patient was diagnosed with microphthalmos and a limbal dermoid of the right eye. In order to prevent irritation to the cornea and conjunctiva, the dermoid was surgically removed using superficial keratectomy combined with conjunctivectomy. Third eyelid flap was performed to cover the wound and maintained for 2 weeks. There has been no recurrence for 11 months since the surgical removal.

**Clinical relevance:** This study reports concurrence of microphthalmos and a limbal dermoid founded uncommonly in a dog.

**Key words:** microphthalmos, limbal dermoid, superficial keratectomy, dog

\*Corresponding author: kmseo@snu.ac.kr