

## CANINE CORNEAL THICKNESS PECULARITIES *IN VIVO* AND AFTER EYE BALL ENUCLEATION

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**Abstract.** The purpose of our study was to measure the normal corneal thickness of dogs *in vivo* and to determine the changes of corneal thickness *in vitro* by means of ultrasonic pachymeter. Corneal thickness was measured at 5 sites (central, upper peripheral, lower peripheral, temporal peripheral and nasal peripheral) in each cornea of each animal eye *in vivo* and 15, 35, 55, 75, 95 minutes and 24 hours after death. According to the data obtained, cornea thickness decreased after death, but during 15 minutes began to increase, after 35 minutes the corneal thickness was similar to that *in vivo*, and 24 hours later it increased significantly.

**Keywords:** ultrasonic pachymetry, corneal thickness, eye, dog.