Normal ocular ecobiometry of the dromedary camels

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Abstract:

This study is aimed to document the normal measurements of different ocular components of 24 adult live dromedary camels (Camelus dromedarius) using B-mode ultrasonography. Corneal thickness measured was 0.9±0.2 mm at the centre and 1.2±0.03 mm at the periphery. Anterior chamber depth was 2.3±0.1, while vitreous depth was 15.6±0.2 mm. Lens thickness and diameter were 9.6±0.1 mm and 15.8±0.4 mm, respectively. Globe axial length was 29.8±0.3 mm; whereas the sagittal length was 33±0.3 mm. Camel eye was aspherical and appeared to be smaller than that of cattle and horse. Corneal thickness differed significantly with the eye-side, sex and age. Ocular axial and sagittal readings differed significantly with sex and age; however, lens diameter differed with age.

Keywords:

Biometry, camel, ocular, ultrasound

Published In:

Journal of Camel Practice and Research, 19, 13-17