



Surgical Anatomy of the Third Eyelid in Camel, Buffalo and Donkey

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Abstract:

The conjunctiva covering both surfaces of the third eyelid of camel is highly folded but it is less folded in buffalo and donkey. The ample conjunctiva covering the third eyelid of camel aids in grasping of the third eyelid flap to treat cases of corneal affection. Camel has a reserve portion of palpebral conjunctiva covering numerous sebaceous glands. Lymphocytic infiltration was observed subconjunctivally on both surfaces of the third eyelid of buffalo. On the contrary, in donkey and camel, the bulbar surface has lymph nodules but the palpebral surface has lymphocytic infiltration. The gland of the third eyelid is thicker in camel followed by buffalo but it is thin in donkey. This gland opens by 2-4 ducts in donkey, 2 ducts in buffalo on the bulbar surface of the third eyelid. In camel, the duct system opens on the bulbar and palpebral surfaces by large and small ducts.

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