



Anatomical and Histological Study of local dog Penis

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Abstract

The penis is the male organ of coition through it urine and semen go out via the penile urethra. The prepuce is an introverted fold of abdominal cavity skin that surrounds the free margin of the penis. There are scarce studies regarding

male dog genital system in Iraq. Therefore, this study intends to study the gross and histological features of the penis of the local dog. Five local adult dogs used in this study. Penis gross anatomy including the length, width, and Os – penis were evaluated. In addition, histological sections were also prepared from penis and Os –penis and stained with hematoxylin – eosin. Anatomically, the average length and width of the dog penis were 17 cm, and 2 cm respectively, while the Os – penis length was about 13 cm. The penis composed from root, body, and glans or free part, which appeared as a cone shape. Histologically, the body consist from corpus cavernosum and spongiosum while, the Os – penis was composed essentially of spongy bone. Moreover, the corpus cavernosum revealed to consist of intermediate caverns and connective tissue. The corpus spongiosum composed from large caverns. The skin of dog penis is devoid of hair as a result of absent of hair follicles. A part from retractor penis muscle was composed of smooth muscle. In conclusion, this study described the macroscopic and microscopic structures of dog penis and approved that dog penis classified as intermediate type according to the corpus cavernosum structure.

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