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Studies on Some Surgical Affections of the Genital System in Dogs and Cats

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Abstract



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Abstract

The present study was conducted over a period starting from September 2013 until January 2015. The affected animals were collected from the surgery clinic of Faculty of Veterinary Medicine, Cairo University and different pet clinics in Tanta and Cairo governorates. The total number of examined animals along the present study was (4686) animals suffered from different affections (3340 dogs and 1346 cats). The ages of the affected animals were ranging from two months to (15) years old and they were of different breeds and sex. The total number of animals suffered from surgical affections of genital system was 341 dogs and cats. It represented 7.3% of the total admitted animals. Surgical affections of the genital system were recorded in 227 dogs representing 6.6% out of total admitted dogs and in 114 cats representing 8.5% out of total admitted cats. The highest incidence among surgical affections of male genital system in dogs was recorded in scrotum and testes (24.7%) followed by penile and preputial affections (23.8%) then the prostatic affections (3.1%) from total affected dogs. The diagnosed scrotal and testicular affections were cryptorchidism (16.7%), scrotal dermatitis (5.3%), testicular hypoplasia (1.3%), orchitis (0.4%) and testicular biting (0.9%). The penile and preputial surgical affections were transmissible venereal tumor (T.V.T) (16.3%), balanoposthitis (4.4%), paraphimosis (0.9%), Penile and preputial wounds (0.9%), phimosis (0.9%), and urethral prolapsed (0.4%). The diagnosed surgical affections of the prostate in dogs were prostatitis (0.4%), benign prostatic hyperplasia (0.4%), prostatic cyst (0.9%), prostatic abscesses (0.9%) and prostatic neoplasm (0.4%). The highest incidence among surgical affections of female genital system in dogs was recorded in vagina and vulva (67.3%) followed by uterine and ovarian affections (15%) then mammary gland affections (17.7%). The diagnosed surgical affections of the vulva and vagina were vaginal and vulvar neoplasia (T.V.T) (25.1%), vaginal hyperplasia (4.4%), vulvar wound (0.9%), persist hymen (0.4%), vaginal

polyps (0.4%) and vaginal sinus (0.4%). Uterine and ovarian affections were pyometra (2.2%), dystocia (2.2%), uterine hemorrhage (0.9%), uterine tumor (0.4%), uterine prolapse (0.4%), uterine torsion (0.4%) and ovarian cyst (0.4%). The surgical affections of mammary gland in dogs were mammary neoplasms (4.4%), mammary abscesses (1.3%), mastitis (1.3%), supernumerary gland (0.9%) and mammary papilloma (0.4%). The incidence of genital system affection was higher in queen (13.2%) than tom cats (2.7%). The highest incidence of surgical affections in tom cat genital system was recorded as testicular affections (12.3%) followed by penile affections (2.6%) from total affected cats. Cryptorchidism was recorded in (10.6%) and testicular hypoplasia (1.7%). The highest incidence of surgical affections in female cats genital system was recorded as uterine affections (75.2%) and mammary gland affections (9.7%). Regarding the uterine affection in female cats, the highest incidence of uterine affection was recorded as pyometra (46.1%). The most common surgical affection of the mammary gland in queens was mammary neoplasm, representing (9.7%). It was concluded that surgical affections of genital system represent a considerable incidence among total surgical affections in dogs and cats. Cryptorchidism is the most detected genital affection in male dogs and tom cats, while transmissible venereal tumor and pyometra are the most common genital affections in bitches and queens respectively.



To my *husband*

To my *mother*

To my lovely *kids*

Mohanad and *Nourai*

And every *person* help me

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