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Diagnosis, prognosis and tumor recurrence after surgical treatment of canine intrascrotal hemangioma

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Genital system neoplasms are rare in dogs, although tumors of the testis in males are the most frequent. Hemangiomas are common in dogs, but rare in other domestic animals. A Great Dane dog with testicular mass was referred to Paytakht Pet hospital. All the scrotal masses were evaluated with ultrasonography. Serum biochemistries, CBC, urinalysis (UA), and thoracic radiographs and abdominal ultrasound were performed to rule out lung and visceral metastases. Cytology sample was prepared and stained with Giemsa and hemangioma was diagnosed. Surgical recommendation included orchiectomy with intrascrotal ablation although according to owners' preference just surgical excision of the masses was supposed to perform. The surgical samples of the intrascrotal tissue were collected and fixed in buffered formalin solution, embedded in paraffin, and sectioned at 3 μ m. The sections were stained routinely with hematoxylin and eosin (H & E). Each section was evaluated by two experienced clinical pathologists and hemangioma was diagnosed according to published criteria. After surgical excision of the tumor, the dog was followed-up. The dog was clinically evaluated every 5-6 months during a 1-year follow-up to detect the presence of local recurrences and/or distant metastases. Tumor recurrence was observed after 8 months and the case died after 12 months. The testicles are the second most common sites for tumors and hence castration has been recommended for prevention. The breeding dogs can be involved by a variety of the testicular and scrotal tumors, so increase of acknowledgement of the case owners in Iran is important issue. Although, orchiectomy with intrascrotal ablation is necessary for dogs with intrascrotal hemangioma.

Biography

Mohammadreza Ferdows is working as a Veterinary Specialist at Paytakht Pet Hospital, Iran. His experience includes various programs, contributions and participation in different events for diverse fields of study. His research interests reflect in his wide range of publications in various national and international journals.

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