

UNILATERAL ECTOPIC TESTES IN A DOG

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ABSTRACT

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A case of unilateral ectopic testes in a one year old pug in the subcutaneous tissue is reported.

Key words: Ectopic testes, canine.

INTRODUCTION

Testicular malposition represents a common developmental defect in dogs (Shulz *et al.*, 1996). The Present report describes a case of unilateral ectopic testes in the subcutaneous tissue in a pug.

CASE HISTORY AND OBSERVATION

A purebred male pug, aged one year was brought to the Department of Veterinary Gynaecology and Obstetrics with complaint of having only one testicle in the scrotum. Palpation of the scrotal sac revealed absence of one testicle in the scrotum. Abdominal palpation revealed the ectopic testis to be retained in the subcutaneous tissue near the penile integument on the lateral side.

TREATMENT AND DISCUSSION

Bilateral orchiectomy was performed. The surgical site was aseptically prepared. Preanesthetic Inj. Glycopyrollate @ 0.04 mg/kg BW and Inj. Diazepam @ 0.5 mg/kg BW were administered intravenously. Anesthesia was induced and maintained using a combination of Inj. Propofol @ 5mg/kg BW and Inj. Ketamine @ 5mg/kg BW (1:1) intravenously. Dog

was given Inj. Cefazolin 500 mg I/v before start of the operation

The animal was casted on dorsal recumbency, prescrotal incision was made and the left testis was exteriorized and the vascular part of the spermatic cord was ligated. The right testis located in the subcutaneous tissue was pushed towards the incision site, exteriorized to remove the testis. The subcutaneous layer was opposed using No. 0 chromic catgut. The skin was sutured using No.0 non absorbable suture material. Postoperative antibiotic was administered for seven days. The dog recovered uneventfully.

Grossly the ectopic testis (right) was small and measured 2 x 1.7 x 1.5 cms while; the left testis measured 3.3 x 2 x 1.8 cms. Histopathology of the ectopic testis revealed small tubules and the tubules showed maturation arrest with no spermatocytes. The testis located in the scrotum showed normal seminiferous tubules with spermatozoa (Fig.1). Since the condition has a familial predisposition, bilateral orchiectomy is recommended.

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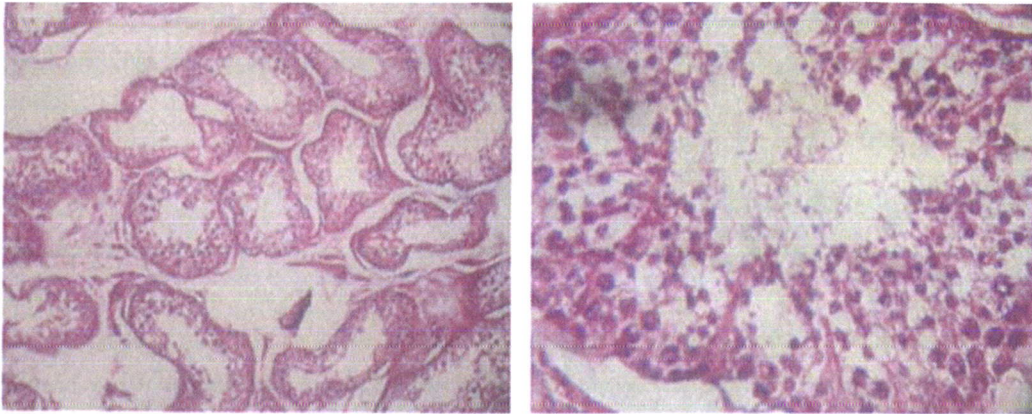


Fig. 1 Cryptorchid testis (left) with small seminiferous tubules and maturation arrest. Normal testis on the right showing seminiferous tubule with spermatozoa.

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