

## Unilateral retention of testis in a buck

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### ABSTRACT

A rare case of unilateral retention of testis in a buck has been reported in the present paper.

**Key words :** Testis retention, buck

Cryptorchidism in animals results in infertility/sterility. Spermatogenesis is completely inhibited by the elevation of the temperature of the affected testis. The interstitial or Leydig cells are not affected so sexual activity is normal or even exaggerated in bilateral cryptorchids. Failure of normal testicular descent appears in most commonly in pigs, horses and dogs and least commonly in cattle, sheep and cats (Roberts, 1971). This imperfect descent of the testes may result in impaired fertility with degeneration and atrophy due to difficulty of the thermoregulatory mechanism of the testes to operate properly.

**Case report :** A 8 year old buck of Osmanabadi breed was presented with history of presence of only one testis in the scrotum.

**Clinical observations :** The buck was horned, black and white coloured with 18 kg body weight. Detailed clinical examination of the buck revealed the presence of only one testis left in the scrotum and absence of the right testis. The penis and rudimentary teates were present. After the palpation of the inguinal region, no retained testis was found. The buck was showing normal sexual activity which is supported by the fact that spermatogenesis is usually inhibited by the elevation of the temperature of the affected testis however, the interstitial



Fig. 1 Unilateral retention of testis in a buck

or Leydig cells are not affected (Roberts, 1971), hence the sexual activity was normal in the present case. Such type of unilateral cryptorchidism in goat is a rare, hence the case is reported (Fig. 1). It is, therefore, concluded that in the unilateral cryptorchid buck sexual activity was normal.

### REFERENCES

- Roberts, S.J. (1971). *Veterinary Obstetrics and Genital Diseases*. 2nd edn., CBS Publishers and Distributors, New Delhi, pp 664.

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