

## Male Pseudohermaphroditism in a non-descript calf

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### Introduction

Hermaphroditism is a condition in which sexuality of an individual is confused by the presence of anatomical structure of both the sexes. Pseudohermaphroditism is common and is almost invariably of the male type where as true hermaphroditism are extremely rare (Roberts, 1971; Sane et. al. 1982). Hermaphroditism is of common occurrence in goats and pigs (Arthur, 1959) and rare in cattle (Bose et. al. 1981).

### Case history and clinical examination

In an animal treatment camp organized by iSAW (Indian Society for Animal-Human Welfare) a male calf is presented with the history of passing urine from just below the anus without observable penis & prepuce.

On clinical examination it was found that animal having both the testicles descended in scrotal sac but there is lack of complete prolongation of the pelvic and penile part of the penis which was restricted to pelvic part only and opening into the perineal region ventral to the anal opening. The preputial opening was represented like small valvular opening. Per rectal examination revealed presence of an elongated cord like structure without ovaries.

### Result and discussion

The case was diagnosed as a typical male Pseudohermaphroditism. Sethi et. al. (2000) observed similar teratogenic defects of genitalia in a male calf & proposed that it is due to arrest of genital tubercle in the embryonic or foetal life resulting in lack of complete prolongation of pelvic & penile part of penis. The observations recorded in this calf were in close proximity with those reported by Carroll et al,(1964)and Arey (1965).

### References

1. Arey, L.B.(1965): Developmental anatomy, 7th Ed. W.B.Saunders Company, Philadelphia.
2. Arthur, G.H. (1959): Vet. Rec. 71: 598-603.
3. Bose, A.S. Sreeraman, P.K. and Ramakrishna, O. (1981): Vet. Med. Rev. 2: 208-210.
4. Carroll, E.J., Aanes, W.A. and Ball, L. (1964): J. Am. Vet. Med. Assn., 144: 747.
5. Roberts S.J. (1971): Veterinary Obstetrics and Genital Diseases (Theriogenology), 2nd edn. CBS Publisher and Distributors, New Delhi, pp 64-67.
6. Sane, C.R. et.al.,(1982): In a text book of reproduction in Farm Animals (Theriogenology), Varghese Publishing House, Bombay, pp.137-138.
7. Sethi C. et.al.,(2000): Indian Vet. J. 77 : 349.

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## FM channel to manage livestock at IVRI

**Lucknow, April 12** The Indian Veterinary Research Institute is launching an FM radio channel to strengthen livestock practices among farmers. IVRI will set up a radio station at its Bareilly campus from where the training programmes for farmers would be aired. "We are setting up the radio station in association with the Indian Council of Agricultural Research. It will inform farmers about new technologies and methods for an efficient livestock management, thereby helping farmers to diversify their income sources," said IVRI Director, Dr S P S Ahlawat, adding that livestock has more potential than agriculture to alleviate poverty in India.

"Our radio programmes will cover the entire livestock practices related to dairy farming, goat farming, fish culture and poultry. There will be a special emphasis on livestock diseases, symptoms and treatment," said a senior faculty member at IVRI. Formalities for setting up the radio station have been cleared. "The Information and Broadcasting ministry has given us the green signal. Financial assistance of Rs 1.5 crore has also been provided," said senior IVRI officials, adding that in the next few months, the institute will develop the complete infrastructure needed to air the programmes.

<http://www.expressindia.com/latest-news/FM-channel-to-manage-livestock-at-IVRI/296254/>