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Surgical management of paraphimosis in bullock: A case report

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Abstract

A 5 year old bullock was presented with a history of sustained penis since coitus. Clinical examination revealed edematous penile protrusion with adhesions between preputial skin and penis. Under local analgesia repositioned and retention the penis into the preputial cavity.

Keywords: Bullock, Paraphimosis, Purse string sutures

1. Introduction

Paraphimosis is inability to completely retract the penis into the preputial cavity. It usually occurs after erection [2]. It may be due to either the constriction of penis behind the glans penis or swelling of glans penis, making it impossible to draw the organ back through the naturally small preputial orifice [5]. This paper communicates successful management of paraphimosis in bullock.

Clinical history and Observations

A 5 year old bullock was presented to the Veterinary Dispensary, Koppole, Nalgonda District, Telangana with a history of anorexia, constant bleating, anuria, sustained penile protrusion (Figure 1) since coitus i.e. five days ago. On clinical examination the glans penis was edematous, adhesions were presented between preputial skin and gland penis.

Treatment and Discussion

Lignocaine jelly was applied to the exposed glans penis and waited for ten minutes for local analgesia. By passing the lubricated urinary catheter through the penile orifice urine flow was established and evacuated the accumulated urine. The adhesions between the preputial skin and glans penis were separated by making a circular incision at the junction of glans penis and preputial orifice. Repositioned the glans penis by sliding it into the preputial cavity and retention was achieved by applying purse string sutures to the preputial orifice (Figure 2). Postoperatively animal was administered with amoxicillin-cloxacillin- 3 g to prevent secondary bacterial infections and meloxicam @ 0.2 mg/kg body weight to reduce swelling of glans penis intramuscularly for 5 days. Purse string suture was removed on 9th postoperative day and animal was recovered uneventfully without any complications.

Acquired paraphimosis is a result of trauma to the penis which causes damage to the innervations of the penis leading to the paralysis of penile retractor muscles [6]. In the present case paraphimosis might be due to the trauma to the penis during coitus. Temporary purse string sutures were applied to the preputial orifice to keep the penis in the preputial cavity as one of the options in the initial surgical treatment of paraphimosis in which purse string sutures used for retention of penis [3, 4] whereas purse string sutures used tension release incision with simple interrupted sutures for treatment of paraphimosis in dogs [1].

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Fig 1: Photograph showing the bullock with protruded penis from prepuce.



Fig 2: Photograph showing the reposition of glans penis into preputial cavity

References

1. Adeola BS, Enobong H. Surgical management of paraphimosis in dog: a case report. *Global Veterinaria*. 2016; 16(1):49-51.
2. Davidson AP. Management of reproduction in small animals, In: *The Mercks Veterinary manual*, 10th Edition. 2010, 1287-1288.
3. Fossum TW. Surgery of the male reproductive tract, In: *Text book of small animal surgery*, 2nd Edition, Philadelphia. 2002, 666-674.
4. Kumaresan A, Prakash S, Selvaraju M. Congenital paraphimosis in a pup- a case report. *Shanlax International Journal of Veterinary Science*. 2014; 1(3):39-40.
5. Neal FC. Surgical problems of the penis and prepuce of bulls, part I, Iowa University, digital repository. 1960; 22(2):85-87.
6. Nevi TO, Kisani AI, Wachida N. Paraphimosis in a 7 month old weather: A case report, *ParipexIndian Journal of Research*. 2015; 4(9):148-149.