

## Hormonal management of rectal prolapse in a turtle

B.M.Raut, D.S.Raghuwanshi, S.V.Upadhye, B.M.Gahlod, G.S.Khante and A.P.Borghare

Department of Animal Reproduction, Gynaecology and Obstetric  
Nagpur Veterinary College, Nagpur, INDIA.

In rectal prolapse, one or more layers of the rectum protrude through the anus due to persistent tenesmus associated with intestinal, anorectal or urogenital disease. Prolapse may be classified as incomplete, in which only the rectal mucosa is everted, or complete, in which all rectal layers are protruded (Merck, 2008).

### Case History

A three year old turtle weighing about 300gm was presented to the "Teaching Veterinary Clinical Service Complex, Nagpur" for correction of rectal prolapse which had developed since 2 days. In the hospital, purse string suture was applied twice after reducing the prolapse with great effort. However, the sutures had given way. There was constant attempt by the tortoise for defecation through the protruded rectum.

### Treatment

The rectal prolapse mass was washed with chilled normal saline solution and cold fomentation with ice for reducing the congestion and edema of prolapse. The mass was pushed manually after applying lignocain jelly. 'Estriol cream' was applied 3 to 4 times in a day for 3 to 4 days. The straining reduced gradually within 3 days and prolapse was not reported further.

### Discussion

Rectal prolapse can be encountered due to affection of rectum or anus leading to irritation, constipation etc., thereby straining resulting in exposing the everted rectal mucosa. It is also being reported to be due to excessive straining in order to remove foreign bodies, smaller stones accidentally ingested by the turtle (Robin scott, 2007). Exposure of prolapse mass to the surrounding lead to congestion, soiling and contamination leading to irritation resulting in further straining and aggravation of the condition.

Although repositioning of the prolapse mass and application of purse string suture is routinely performed the straining persist if the route cause of irritation is not removed. Application of pendistrin - SH ointment helped in reducing the local infection and inflammation. Whereas the application of estriol cream helped to reduce the possible hormone dependent congestion in the present case.

### References

1. Scott Robin (2007): Gulf coast turtle and tortoise society. In: Health and Husbandry (google.com)
2. Siegmund O.H. (ed.) (2008): Rectal prolapse. In: Merck Veterinary Manual-441 (google.com)

\*\*\*\*\*

Please visit our journal website  
**[www.veterinaryworld.org](http://www.veterinaryworld.org)**  
We publish Full Text of each issue online free of cost  
after publication of six month of printed issue.