Concurrent bilateral traumatic orchitis and unilateral inguinal hernia in a stallion

Masoud Salaran*, Alireza Raayat Jahromi, Abdolhamid Meimandi Parizi, Hessam Savadkuhi, Asghar Mogheiseh

Department of clinical studies, School of Veterinary Medicine, Shiraz university, Shiraz, Iran

Email: m.salaran@gmail.com

Case Description- A 7 year old stallion with a history of being kicked in the inguino-scrotal region and signs of moderate colic referred to Shiraz University Veterinary Teaching Hospital.

Clinical Findings- Large scrotal swelling was obvious during observation. The stallion had signs of moderate colic pain. Clinical examination revealed slightly decreased gastrointestinal motility. The stallion was about 8% dehydrated, had normal vital signs and CBC values. Ultrasonographic examination confirmed presence of intestine and blood clots in the hernia sac concurrent with bilateral severe orchitis.

Treatment and Outcome- Following fluid therapy, premedication with acepromazine and xylazine, anesthesia was induced using ketamine and diazepam combination and maintained with halothane in oxygen. After positioning in dorsal recumbency, routine surgical preparations and using inguinal approach, right testis was removed by a closed castration while right inguinal ring was intact. Open castration of the left testis was done as the tunica vaginalis was ruptured. Huge amount of blood clots, presumably originated from severely injured testicular vasculature, were removed from the hernia sac and following replacing its reducible contents (parts of small intestine), the ring was closed with interrupted pattern of heavy absorbable suture. After placing a Penrose drain, fascia and skin were closed routinely. The stallion was treated for 7 and 5 days with broad-spectrum antibiotic and NSAID, respectively.

Clinical Relevance- In adult horses, inguinal rupture is primarily traumatic in origin. Although an acute increase in testicular size is suggestive inguinal herniation, it is also suggestive of torsion of the spermatic cord, orchitis or thrombosis of the testicular vasculature.

Key Words- Bilateral orchitis, scrotal herniation, stallion.

References