Anal Atresia with Rectovaginal Fistula In a female Afghan hound puppy

Mohammad Mehdi Oloumi¹, Amin Paidar Ardakani²*, Parham Razavi Ebrahimi¹, Hamzeh Soltaninezhad¹, Hadi Hassibi², Mohammad Farajli Abbasi²

¹Department of Clinical Sciences, Faculty of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran
²Postgraduate student of veterinary surgery, Faculty of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran
³Graduated student, Faculty of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran
⁴Postgraduate student of veterinary surgery, Faculty of Veterinary Medicine, Shiraz University, Shiraz, Iran

Email: amin_paidar@yahoo.com

Case Description- Congenital anomalies of the rectum and anus are rare in dogs. The most frequently reported anomaly is atresia ani. A female Afghan hound puppy was presented to Veterinary Teaching Hospital of Faculty of Veterinary Medicine, Shahid Bahonar University of kerman. The history included voiding of feces through the vulva.

Clinical Findings- Anorexia, depression, and presence of watery feces in vaginal canal were observed in clinical examination. In lateral abdominal radiography megacolon was observed.

Treatment and Outcome- The surgical repair was performed. The anal site was opened, the rectum released and pulled backward and sutured to the anus. The fistulous tract was transected, isolated and repaired through the anus. After mucosal closure the skin was also sutured.

Clinical Relevance- After surgical correction, antibiotic was administered for 5 days (ceftiraxone 33 mg/kg, sid), dexamethasone and laxative were also administrated. After 1.5 year the dog is completely healthy and the only complication was fecal incontinence. Animals with atresia ani type II and III that are unable to defecate if not treated surgically will die because of bowel stasis. Anoplasty is the most common procedure performed. The aim of surgery is to restore anorectal continuity, to preserve or restore colonic function.

Key Words- Afghan Hound, Anal Atresia, Rectovaginal Fistula

References

² Sheila C. Rahal, Cristiane S. Vicente, Ana C. Mortari, Maria J. Mamprim, Caporalli EHG. Rectovaginal fistula with anal atresia in 2 dogs. The Canadian veterinary journal La revue veterinaire canadienne.