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CASE REPORT OF GUNSHOT FRACTURE, METRA AND ABDOMINAL HERNIA IN A SHORT HAIR DOMESTIC CAT DUE TO TRAUMA AND COEXISTING INFECTION

Yazdan ARYAZAND,
Vet, Shiraz University of Veterinary Medicine
Mehrzad FOROUD,
Vet, Shiraz University of Veterinary Medicine
Nahid NIKAHVAL,
Vet, Shiraz University of Veterinary Medicine
Mehr MOGHISEH,
Vet, Shiraz University of Veterinary Medicine

Uroabdomen is an accumulation of urine in the peritoneal cavity. Urine may leak from kidney, ureter, bladder and proximal urethra. Bladder rupture is the most common cause of uroabdomen in dogs. Accurate diagnosis and prompt medical and surgical treatment is vital to save the animal. An eight-month-old Terrier dog weighing 5 kg with history of lethargy, loss of appetite, hematemesis and absence of urination, 24 hours after a blunt trauma was referred to veterinary teaching hospital. In physical examination abdominal distension, muscle tension and pain were observed. In ultrasonography bladder was not obvious and copious amount of fluid was evident. In subsequent radiography absence of the bladder and decreased visceral detail were seen. About 200 milliliter fluid obtained through abdominocentesis. Laboratory examination showed high Urea and low PCV. Pre-operative stabilization was performed by fluid therapy with NaCl 0.9%. In surgery, the ruptured bladder was closed in two layers and leakage was examined. In abdominal exploration progressive congestion of jejunum was observed. Five days post-operation, the dog returned to the clinic because of hematemesis and anorexia. A complete blood count, serum chemistry profile, radiography and endoscopy were performed. Total protein was (3.8 g/dl) and PCV was (38 %). Positive contrast cystography showed normal bladder without any leakage and in endoscopic examination gastric wall was intact.