



Clinical and Ultrasonographic Observations of Functional and Mechanical Intestinal Obstruction in Buffaloes (*Bubalus bubalis*)

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Abstract:

Abstract Aim: This study was designed for clinical and laboratory evaluation of intestinal obstruction (IO) in buffaloes (*Bubalus bubalis*) with special emphasis on the diagnostic value of ultrasonographic findings. **Materials and Methods:** A total number of 30 buffaloes were included in the study and divided into 2 groups: Healthy (n=10) and diseased group (n=20). Diseased buffaloes were admitted to the Veterinary Teaching Hospital at Assiut University, Egypt, with a history of anorexia, abdominal pain, various degrees of abdominal distention, and absence or presence of scanty mucoid faeces. These animals were subjected to clinical and ultrasonographic as well as laboratory examinations. **Results:** Based on ultrasonographic findings, various forms of IO were diagnosed. Functional obstruction, paralytic ileus, was diagnosed in 17 cases (85%) while mechanical IO was diagnosed only in 3 cases (15%). Out of 17 cases of paralytic ileus, both proximal and distal ileuses were successfully imaged in 8 and 9 cases, respectively. Proximal ileus was imaged from the right dorsal flank region as a single dilated loop of diameter >6 cm, while distal ileus was imaged as multiple dilated loops of diameter

Keywords:

buffalo, ileus, intestine, intussusception, ultrasonography.

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