



Approach for Diagnosis of Complicated Traumatic Reticuloperitonitis in Cattle using Ultrasonography

Arafat Khalphallah, Ali Hussein El-Sebaie, Mohamed F. Raghib

Abstract:

The current study indicated that the complicated sequellae of traumatic reticuloperitonitis (TRP) in cattle could be efficiently diagnosed by using of ultrasonography and some other diagnostic tools. The affections in these cases included reticulum and spleen with extension to one or more of the other organs such as rumen and abomasum. This study included two groups of animals; one of them kept as a control one (n.=16) and the other was a diseased group (n.= 12). All animals were subjected to clinical examination, whole blood profiling, blood serum biochemical assay, radiography and ultrasonographic examination. Rumenotomy was carried out in some cases. The reticulum was mostly displaced in cases of complicated TRP by a distance of 3-6 cm. Sometimes, the reticulum was not displaced such as in case of diaphragmatic hernia. The reticular contractions in the complicated traumatic cows were either reduced to 2 or 1/3mins, or completely reduced to 0/3mins. Reticular abscess and peritoneal effusions were imaged in all these diseased cases. Here, Vagus indigestion syndrome and diaphragmatic hernia were successfully diagnosed by using of ultrasonography with the aid of radiography and rumenotomy. Ultrasonography was useful in imaging non metal objects (Ropes and plastic tubes) within the rumen especially in cases of severe ruminal distension.

Keywords:

Cattle, Diaphragmatic hernia, Reticuloperitonitis, Ultrasonography

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