



THE ULTRASONOGRAPHIC FINDINGS OF THE LIVER, GALL BLADDER AND THEIR RELATED VASCULATURES IN HEALTHY EGYPTIAN BUFFALOES (BUBALUS BUBALIS)

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Abstract:

This study provided a full description of the normal ultrasonographic findings of the hepatobiliary system and its blood vessels in Egyptian buffaloes. The reported results particularly those of ultrasonography were compared with the normal reference values of cattle that had been previously recorded. This study was carried out on thirty healthy buffaloes. Complete clinical examination, hematological pictures profiling, blood biochemical analysis of total blood serum proteins, albumins, globulins, aspartate aminotransferase (AST), alkaline phosphatase (AP), γ -glutamyltranspeptidase (GGT), triglycerides and cholesterol, radiography and ultrasonographic examination were conducted with all these animals. The results showed that the clinical findings, blood pictures and blood biochemical levels agreed with the previously reported reference values of healthy buffaloes. The outlines of cranial abdomen, line of diaphragm and the cardiac silhouette were displayed normally on the radiographs. The acoustic windows for ultrasonographic examination of the hepatobiliary system was the right 11th intercostal space. The gall bladder could not be imaged from the right 12th intercostal space. The description of these normal ultrasonographic findings of the aforementioned organs will be valuable in detection of the abnormalities of these organs.

Keywords:

Buffaloes, Gall bladder, Liver, Ultrasonography.

Published In:

Assiut Veterinary Medical Journal , (Vol 62 - No 149) , pp. 156-162