

An Abattoir-Based Study on Relative Prevalence of Histopathologic Patterns of Hepatic Lesions in One-Humped Camels (*Camelus deromedari*), Semnan, Iran

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Abstract : An abattoir based study was carried out during spring 2011 to investigate pathological conditions of the liver in camels (*Camelus deromedari*) slaughtered in the Semnan slaughter house, Northern East of Iran. In this study, 40 carcasses out of 150 randomly selected carcasses inspected at postmortem, found with liver lesions. Proper tissue samples obtained from the livers with macroscopic lesions, fixed in 10% neutral buffer formaldehyde, processed for routine histopathological techniques, and finally embedded in paraffin blocks. Sections of 5µm thickness then cut and stained by H&E staining techniques. In histopathological examination of hepatic tissues, following changes were observed: Hydatid cysts; 65%, Cirrhosis; 10%, Hepatic lipidosis (Mild to Severe fatty changes); 12.5%, Glycogen deposition; 2.5%, Cholangitis; 2.8%, Cholangiohepatitis; 5%, Calcified hydatid cyst; 2.5%, Hepatic abscess; 2.5%, lipofuscin pigments; 17.5%. It is concluded that the highest and lowest prevalent patterns of hepatic lesions were hydatid cysts and Hepatic abscess respectively.

Keywords : camel, liver, lesion, pathology, slaughterhouse

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