

The Differences between Direct Examination and ELISA Test during the Diagnosis of Fasciolosis in Jaundiced Slaughtered Sheep in Iraq

Authors : Azad A. Meerkhan, Alaa Hani Razak, Bayan M. S. Younis

Abstract : The efficiency of enzyme-linked immunosorbent assay (ELISA) in sheep infected with *Fasciola hepatica* was studied. 232 jaundiced sheep among 5208 sheep slaughter in the Duhok abattoir (regardless of the age and gender) between the period of May. 2012 to Oct. 2012 were examined by direct examination (Searching of adult flukes in the bile duct) and by Enzyme-linked immunosorbent assay (ELISA) to detect the prevalence of fascioliasis in the studied population which showed a high observed infection ratio in Sep. 2012 (12.2%) with the high (ELISA) result of infection in May. 2012 (25.36%). Significant differences were found between the two ways in all of the months with the highest difference in May. 2012 and the net deference between the both ways was 6.91%.

Keywords : fascioliasis, *Fasciola hepatica*, layers, liver fluk, ELISA, direct examination

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