

STUDY OF SOME BIOLOGICAL CHARACTERISTICS OF HYDATID CYSTS IN EQUINE

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ABSTRACT

The present study was implemented to identify some of the biological characteristics of 198 hydatid cysts in Equine of 19 natural infected slaughtered donkeys in Al-zawra park Zoo in Baghdad from 1/11/2001 till 31/10/2002. The result revealed that the diameter of hydatid cyst varies from (0.2-9.2) cm . The diameters ratio of hydatid cysts in female is higher than that of male in static significant of The cysts were unilocular, rounded and easy to open (except the caseated and calcified cysts). Furthermore, no daughter cysts were found. Hydatid fluid was clear for the most hydatid cysts. The volume of such fluid ranged between (0.4-170) ml. The protoscolexes were white in color –except in two cysts with diameter (8.4cm and 9.2 cm are sandy in color. The number of protoscolexes ranged between 3-973040 and 12-983350 protoscolexes in male and female respectively . The viability of hydatid cysts ranged from (0%-99.88%) The fertility percentage of the cysts was 45.25%, The results of the present study indicate no relation among diameter of hydatid cysts, fertility, and quantity of protoscolexes inside the cysts and viability of protoscolexes .