HISTOPATHOLOGY DESCRIPTION OF VAGINA MICE (Mus musculus) IN THE INFECTION by Toxoplasma gondii INTRAVAGINAL

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ABSTRACT

The aim of this research is to determine T. gondii infection intravaginal in mice (Mus musculus). Experimental animals used in study were eighteen mice age 2-3 month with body weight 20-25 grams. Experimental animals were divided into two groups: mice in first group is given NaCl for control group, and second group was infected by tachyzoites of T. gondii 1x10³ by intravagina. Eight days after experiment, mice sacrificed and vagina of all mice were taken for vagina histopathology preparations, were made for further observation. Each of the vagina of mice processed by Hematoxylin Eosin staining method. The data’s of observation were used descriptivy. This research showed that vagina mice infected by tachyzoites of T. gondii intravagina could be find erosion of the stratum corneum vagina, inflammatory cell, and hiperplation vagina mucosa. Base on the result showed that the infection of T. gondii tachyzoites cause pathological changes such as erosion , infiltration of inflammatory cells , and hiperplation.

Keywords: Toxoplasma gondii, vagina histology, erosion epitel, inflammatory cell, hiperplation.