HISTOPATHOLOGICAL CHANGES of MICE (Mus musculus) 
DUODENUM INFECTED by Toxoplasma gondii 
TACHYZOITE ORALLY

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ABSTRACT

The purpose of this study was to know the histopathological changes of mice duodenum which is infected by Toxoplasma gondii tachyzoites orally. Twenty male mice divide into four groups (n=5). P0 as a control group, gave sterile aquadest 0.2 ml, P1 were treated with 1X10^3, P2 were treated with 1X10^4 and P3 were treated with 1X10^5 of Toxoplasma gondii tachyzoite orally. Four days post infection, mice were euthanized, duodenum were collected and processed as histopathology microslide’s stained with HE. The data were analyzed by Kruskal-Wallis test and Mann-Whitney test. The results showed that Toxoplasma gondii tachyzoites orally significantly caused duodenum histopathology change as congestion and epithel integrity (p<0.05).

Key words: tachyzoite Toxoplasma gondii, orally, duodenum histopathology change.