The Increase of Desidual Macrophages Activity in Infected Toxoplasma gondii Pregnant mice

Abstrak :

The objective of this study was to know the effect of Toxoplasma gondii infection to the increase of macrophages activity in pregnant mice decidua. Forty-eight pregnant Swiss mice were divided into 6 groups. Group I, first week gestation non-infected mice. Group II, first week gestation infected mice. Group III, second week gestation non-infected mice. Group IV, second week gestation infected mice. Group V, third week gestation non-infected mice and group VI, third week gestation infected mice. Mice were infected with 1 x 10³ tachyzoites by intraperitoneal. Four days post infection, mice were sacrificed and placenta was removed to observe the macrophages activity. The increase of macrophages activity in pregnant mice decidua was determined by the increase of TNF-Î± expression in decidual macrophages by using immunohistochemistry method. The data were analysed by ANOVA. In comparison with uninfected mice, macrophages activity significantly increased in infected mice decidua (p

Keyword :

Decidual macrophage ,Toxoplasma gondii, TNF-Î±