

Oncospheres of *Taenia solium* and *T. saginata asiatica* develop into metacestodes in normal and immunosuppressed mice

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摘要

Abstract

Normal and immunosuppressed mice were infected with oncospheres of *Taenia saginata asiatica* and *T. solium*. Although normal ICR mice were not susceptible to these 2 parasites, cysticerci were recovered from the immunosuppressed ones following venous injection. For *T. saginata asiatica*, immunosuppressed ICR mice had an infection rate of 12.5% and 6 cysticerci of this parasite were recovered from 3 males. After injection of *T. solium* oncospheres, a high infection rate of 57% was obtained and 23 cysticerci were collected from 13 male immunosuppressed ICR mice. The immunosuppressed C57 mice had the highest infection rate (100%) and cysticercus recovery rate (2.4%) for *T. solium*. The infection rate and cysticercus recovery rate in 6 normal C57 mice were 40 and 3% respectively. The immunosuppressed ICR, BALB/c and C3H mice were also susceptible to *T. saginata asiatica*.