

THE INFLUENCE OF INFECTIVE DOSE OF *TRICHINELLA SPIRALIS* ON IMMUNOLOGICAL PARAMETERS IN RATS

Ewa Dziemian, Barbara Machnicka

Institute of Parasitology PAN, Warszawa, Poland

The wistar rats were infected with different doses of *T. spiralis* / from 500 to 2500 per animal / larvae. The specific IgM and IgG antibodies as well as circulating antigens and circulating immune complexes were examined from the 3-rd dpi to the 6-th month pi.

The circulating antigens were detected during the whole first month pi. Their level was highest in sera of rats infected with the greatest dose of *T. spiralis* larvae. The level of circulating immune complexes was similar in sera of rats infected with different doses and showed the peak between the 4-th and the 20-th dpi.

IgM antibodies were detected from the 20-th dpi and their level was highest in sera of rats infected with intermediate dose of *T. spiralis* larvae / 1200 per animal /, the same referred to IgG antibodies.

The presented examinations demonstrated that there is no direct dependence on the infective dose with *T. spiralis* larvae to the level of antibodies.