

POSTER PRESENTATION

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# Clinical and biological correlations in acute toxoplasmosis

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## Background

Toxoplasmosis is a zoonosis caused by a coccidian protozoan, *Toxoplasma gondii*.

## Methods

The study included 407 non-pregnant women with high risk for toxoplasmosis, presented to the Infectious Diseases Clinic in Oradea in the period 01.01.2009-31.12.2012. By MEIA (Microparticle Enzyme Immunoassay) performed in Bioclinica laboratories, values of *Toxoplasma* IgM and IgG antibodies were determined and by EIA (Enzyme Immunoassay), the values of IgA *Toxoplasma* antibodies, as well as the dynamic tracing of their evolution over a period of 12 month.

## Results

The results of investigations showed that 24.3% of non-pregnant women had acute toxoplasmosis, 25.6% had acute toxoplasmosis in their past, at a rate of 60% the serology was completely negative. Most cases of acute toxoplasmosis were diagnosed in spring and autumn ( $p=0.0373$ ). The most affected range was the age group 21-25 and 26-30 ( $p<0.0001$ ). The gynecologist and the patients' own initiative has an important role in guiding them to make analysis ( $p<0.0001$ ). The main reason for presentation to the Infectious Clinic was the appearance of adenopathies with cervical localization ( $p=0.0001$ ). The optimum period of time necessary to achieve negative level of IgM and IgA *Toxoplasma* was between 3 to 6 months after presentation ( $p<0.0001$ ).

## Conclusion

The infection with *Toxoplasma gondii* affects especially young women; most of the cases appear in spring and autumn.

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