

## عنوان مقاله:

Maternal Serological Screening for Congenital Toxoplasmosis During Pregnancy and Evaluating the Pregnant Women's Knowledge on Toxoplasmosis in Qazvin, Iran

## محل انتشار:

مجله دانشگاه علوم پزشکی کرمان, دوره 29, شماره 5 (سال: 1401)

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## خلاصه مقاله:

**Background:** The present study was designed to determine the prevalence of *Toxoplasma gondii* seronegative pregnant women, estimate the frequency of fetuses at risk of congenital toxoplasmosis in the study area, and also to investigate the awareness of the studied mothers about *T. gondii* disease. **Methods:** A total of ۷۴۰ pregnant women referred to two health centers in Qazvin province were surveyed voluntarily for anti-*T. gondii* IgG and IgM antibodies by enzyme-linked immunosorbent assay (ELISA). IgG avidity test was used as a confirmatory test for samples showing positive or borderline results for IgM antibodies. Data on socioeconomic, demographic, and knowledge of participants about toxoplasmosis were collected using questionnaires and through face-to-face interviews. Multivariable logistic regression modeling was used to identify the potential predictor variables for *T. gondii* infection. **Results:** Overall, ۲۱.۲%

(۱۵۷/۷۴۰) and ۰.۲۷% (۲/۷۴۰) of pregnant women were positive for T. gondii IgG and IgM antibodies, respectively. Only ۱.۷% (۱۳/۷۴۰) of expectant mothers had prior information on toxoplasmosis. Among socioeconomic and demographic variables, contact with soil was the merely cause of a significant association with T. gondii infection. Other variables including age, occupation, education level, residential area, source of drinking water, abortion history, number of childbirth, consumption of raw/undercooked meat, having home cat and and consumption of raw vegetables failed to establish significant associations. Conclusion: Our results clarified that the prevalence of T. gondii has remarkably .reduced in the study area. This finding indicates a low risk of congenital toxoplasmosis in this region

### کلمات کلیدی:

Toxoplasma gondii, Prevalence, Pregnant women, Iran

### لینک ثابت مقاله در پایگاه سیویلیکا:

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