

Serological study of toxoplasmosis among pregnant women of rasht in Golsar hospital a six months study

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Abstract: Background: Toxoplasmosis is one of the most common infectious diseases in humans and animals. Epidemiological studies have revealed anti-Toxoplasma antibodies in blood of about one-third of adult population worldwide that represents their previous infection with this organism. this issue verifies wide distribution and the high infectivity of the parasite for humans. Infection with Toxoplasma especially asymptomatic infections in pregnant women can lead to congenital toxoplasmosis. The aim of this study was to evaluate seroepidemiology of toxoplasmosis in pregnant women who attend a hospital in Rasht in the first six months of 2016. **Materials and Methods:** In this descriptive study 102 blood samples were collected pregnant women who attend Golsar hospital in Rasht city of Gilan province, northern Iran. Specific anti-Toxoplasma IgG was analyzed using ELISA method. **Results:** A total of 102 serum samples, 38 cases (37.3%) were sero-positive for IgG antibodies. Statistical analysis showed no significant correlation between sero-positivity and variables such as sex and place of residence. **Conclusion:** This study shows that 64 (62.7 %) of pregnant women in Rasht did not have history of infection with toxoplasma and were susceptible to be at high risk for toxoplasmosis during pregnancy.. **Keywords:** Toxoplasmosis, IgG anti-Toxoplasma, ELISA.

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