TO DETERMINE THE PREVALENCE RATE OF ASYMPTOMATIC URINARY TRACT INFECTION DURING PREGNANCY IN SHIRAZ UNIVERSITY OF MEDICAL SCIENCE HOSPITALS, IRAN

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Background: Asymptomatic urinary tract infections are of the most common problems during pregnancy and if not managed properly may increase the incidence of pyelonephritis up to 25 percent and may cause problems for the mother and fetus1,2.

Objective: To determine the prevalence rate of asymptomatic urinary tract infection during pregnancy in university hospitals in Shiraz-Iran.

Methods: In this descriptive cross-sectional study, 220 pregnant women who were registered for the first time in these hospitals and who were free of acute renal symptoms participated. Positive urine cultures for two times were diagnosed as UTI.

Results: The rate of asymptomatic UTI in this study was 12.3 percent. Based on participant’s age, the following result showed: UTI in age below 14 year was 11.8 percent, age between 25-35 years was 13.5 percent, age more than 35 year was 7.1 percent. UTI was more prevalent in patients with 28 week of gestation (14.3 percent). It was least among those whose gestation was less than 12 weeks. Also UTI decreased with successive pregnancies as follows: In first pregnancy it was 17.6 percent, in second pregnancy it was 10.9 percent, in third pregnancy it was 10.3 percent, in fourth and other successive pregnancies it was 7 percent. 7.4 percent of the total number of UTI patients had previous history of UTI.

Conclusion: This study demonstrates the significance of screening asymptomatic UTI in pregnant women. The results of this study can be utilized for the training of nursing and maternity health care staff.

References:
