

A Symptomatic Urinary Tract Infection Among Kirkuk Technical Institute Students Attending Primary Health Center

Wafa Mahmood Jasim (PhD)¹

Abstract

Background: Urinary tract infection is regarded as one of the most common health problem affecting female in all age groups.

Objective: To study the presences of a symptomatic urinary tract infection among female students attending primary health center belongs to Kirkuk Technical Institute.

Patients and Methods: Across- sectional study was done and a randomly selected sample (80 female students) from different scientific depts. in Kirkuk Technical Institute after receiving their agreements to participate in the study which was started from 1st December 2015 till 1st April 2016. A special questionnaire sheet prepared for this purpose. A general urine exam was done for each student and for the infected females, urine culture and sensitivity was performed.

Results: The results show that 80 female students were included in the study, 86.6 % of them aged (18- 20) years and there was a highly significant relationship between the age group < 18 years and the presence of infection with a p value = 0.000. More than half of infected female students (65.4%) having bacteria(bacteriuria) while 15.4% having pus cell (pyuria) and 80.8% of them having positive urine culture which was related to the presence of *Escherichia coli* (71.5%) .

Conclusion: *Escherichia coli* was the frequent bacteria among positive growth in infected females.

Key words: Female students, urinary tract infection, Kirkuk, Primary center.

Corresponding Author: Wafamahmod396@yahoo.com.

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¹ Department of Community Health - Kirkuk Technical Institute - Kirkuk - Iraq.