

International Conference on
General Practice & Hospital Management

December 8-9, 2016 | Dubai, UAE

**IS THERE ANY RELATION BETWEEN BODY MASS INDEX AND URINARY TRACT INFECTION:
A HOSPITAL -BASED CROSS SECTIONAL STUDY IN AL-KHARJ, SAUDI ARABIA**

Mohammad Al Homrani^a, Ahmed Hassan Gabr^b, Saud Binsaleem^b, Yazid Al Othibi^b and Hussain Al Barqi^b

^aPrince Sattam Bin Abdulaziz University, Saudi arabia

^bSattam Bin Abdulaziz University, Al-Kharj

Introduction: Body mass index (BMI) has been shown to be related to many aspects of the general health of the individual and affecting multiple body systems, Such as increasing the risk of coronary heart disease, diabetes, hypertension and recurrent kidney stones. Urinary tract infection (UTI) is considered one of the most common infections, affecting specially women more than men. Unfortunately, research data linking BMI to the increased risk of UTI are few.

Objectives: The aim of this study is to evaluate the relation between Body Mass Index (BMI) and UTI in Female patients attending the outpatient's clinic in Prince Sultan Bin Abdulaiziz University Hospital (PSAUH) in AL-Kharj, Saudi Arabia.

Methodology: This is a hospital -based cross sectional study in which information was collected using patients' records of Prince Sattam Bin Abdulaiziz University Hospital (PSAUH) in Al-Kharj Saudi Arabia. The data of all Female patients diagnosed with UTI, including socio-demographic information's, weight, high and all the relevant clinical data was collected and then analyzed using Statistical Package for the Social Sciences (SPSS).

Results: Out of a 192 patients diagnosed with UTI, (41.7%) were found to be an overweight. There was a significant relation between obesity (BMI ≥ 30) and urinary tract infection (p value: 0.0005) with 62 obese patients having infections compared to 28 patients who were normal or underweight.

Conclusion: Our results show a significant correlation between body weight and urinary tract infections. More prospective studies on larger cohort of patients are needed to validate our results.

Biography

Mohammed Ahmed alhomrani, has been Graduated from Prince Sattam Bin Abdulaziz University as Medical Doctor, with MBBS degree in 2016 ,and is now working as a routing intern in Riyadh, Saudi Arabia

General-ip@hotmail.com

Notes: