

## Knowledge, Attitude and Practice of Urinary Tract Infection among Female in Aseer Region

Mona Alshahrani, MD, FRCP\* Ahmed Bakheet S.Alzahrani, MD\*\* Abdulbari Ahmed Alzahrani, MD\*\*\* Abdussalam Mohammed A Alqhtani, MD\*\*\* Haifa' Hisham Alwabel, MD\*\*\* Khalid Mohammed M Asiri, MD\*\*\* Yahia Mohammed Abumelha, MD\*\*\* Raghad Saad Hasan Alshahrani, MD\*\*\* Arwa Ayed M Alshahrani, MD\*\*\* Raghad Mohammed O Alhussain, \* Khalid Mohammed Saad Al-Qahtani, MD\*\*\* Abdullah Aiad Own Alqarni, MD\*\*\* Hatim Abdullah Mohammed Ayied, MD\*\*\* Hussain Abdullah Ali Zaqan, MD\*\*\* Merai Saeed Nasser Nasser, MD\*\*\*

### ABSTRACT

**Design:** A descriptive cross-sectional study.

**Aim:** The current study aims to assess the knowledge, attitude and practice of urinary tract infection among female in Aseer region.

**Methods:** A descriptive cross-sectional study was conducted targeting all women in Aseer region aging 18 years or more. All accessible women in general population were invited to fill the uploaded questionnaire consecutively during the period from April-2021 to October 2021 The questionnaire included women personal data, women knowledge of UTI, attitude and perception and practice regarding UTI. Questionnaire was uploaded online using social media platforms by the researchers and their relatives and friends.

**Results:** A total of 855 females fulfilling the inclusion criteria completed the study questionnaire. Female ages ranged from 18 to more than 40 years with mean age of  $31.6 \pm 9.7$  years old. Exact of 615 71.9% females were married and 205 24% were single. Exact of 80.5% of the study participants know what is UTI. A total of 14.6% defined UTI as inflammation of the balder, 9.9% defined it as inflammation of the urethra, and 74.3% defined as inflammation of bladder, kidney and urethra. As for causes of UTI, only 108 12.6% correctly reported for personal hygiene while 73.3% told about bacteria. A total of 569 66.5% participants reported experiencing UTI which was for only once per year among 58.3% of them, and for 2 times per year among 18.6%. Ad for symptoms experienced, 76.1% had pain in urination, 71.2% complained of abdominal pain, 56.6% had urge, 50.4% experienced frequent urination, while 41.5% had fever.

**Conclusion:** The study revealed that nearly two out of each three women were knowledgeable regarding UTIs and about one out of each two showed good perception and attitude. Women practice regarding UTIs was also satisfactory especially for seeking for medical consultation and fluid intake.

**Keywords:** Urinary tract infections, Women, Knowledge, Awareness, Attitude, Perception, Practice

*Bahrain Med Bull 2022; 44 (1): 775 - 780*

---

\* Assistant Professor  
Transplant Nephrologist  
King Khalid University, Saudi Arabia.  
E-mail: mmsaad@kku.edu.sa

\*\* Consultant of Urology  
Assir Central Hospital

\*\*\* Medical Student