



Done By

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## scenario

43 year old woman of has ☐ **Urinary frequency every** 20 – 30 minutes, Pain with increasingly **full bladder (suprapubic pain )** , dyspareunia and oliguria ☐ No anatomic abnormality mass, No history of infection (HPV, STD, UTI)

## investigation

Urine test show **elevated in bacteria and pus** and blood test shows increase in WBC number

### What are the differential diagnoses ?

- 1- Cystitis usually
- 2- Urethritis

### 3 microorganism could cause the diseases ?

- 1- E.coli most common
- 2- Enterococcus facials
- 3- candida

### How can to treat the patient ?

- 1- Ciprofloxacin for gram –ve
- 2- Nitrofurantoin most effective

### What are the nerve and blood supply of bladder ?

Internal iliac artery

S2,3,4 and L1,2

## **Why female more affected than male by UTI ?**

Due to short urethra and genetic

## **Some risk factor can cause the diseases**

1-infection of prostate

2-pregnancy

3-stones

4-diabetes mellitus

## **How to diagnose ?**

1- Suprapubic aspiration or catheterization

2- Microscopic examination

3- Urine test and culture