

- Bacteriuria : bacteria in urine
- Asymptomatic or symptomatic
- Bacteriuria + pyuria= infection
- Bacteriuria NO pyuria = colonization



- Pyuria :
- WBCs in urine.
- Infection
- T.B
- Bladder stone.



Complicated VS uncomplicated

Un complicated UTI:

UTI structurally & functionally normal urinary tract.

Female.

Respond to short course of antibiotic

- Complicated UTI:
- Anatomical or functional abnormality.
- Male.
- Longer time to respond to



- Isolated UTI:
- 6 months between infections.



- Recurrent UTI:>2 infections in 6 months
- 3 UTI in 12 months.
- Reinfection by different bacteria.
- Persistence : same organism from focus within the urinary tract
- Struvate stone.
- Bacterial prostatitis.
- Fistula
- Urethral diverticulum.
- atrophic infected kidney.



- Unresolved infection:
- in adequate therapy , bacterial resistance to ttt.

