



Pharmaceutical Care

Ankara University
Faculty of Pharmacy



Risk factors

- *Some examples:*
- Structural abnormalities
- Neurological disorders
- Vesicoureteral reflux



Microbiology

- *Escherichia coli* (> 85%) is the most common cause



Uncomplicated Cases

- *First choices:*
- Co-trimoxazole
- Nitrofurantoin



Other Alternatives

- Fosfomicin
- Fluoroquinolones
- Beta-lactams



Recurrence

- Low dose
- ***Some examples:***
- Co-trimoxazole
- Nitrofurantoin
- Trimethoprim



Prevention

- *Some examples:*
- Drinking plenty of water
- Not keeping urine



Outpatient Appropriate Antibiotic Use

- Only when **needed and if necessary**
- Choosing the **right antibiotic**
- In the **right dosage**
- Prescribed in the **right time**



Drug Interactions

- Ciprofloxacin and multivalent cations
- Apply at least 2 hours before or 6 hours later