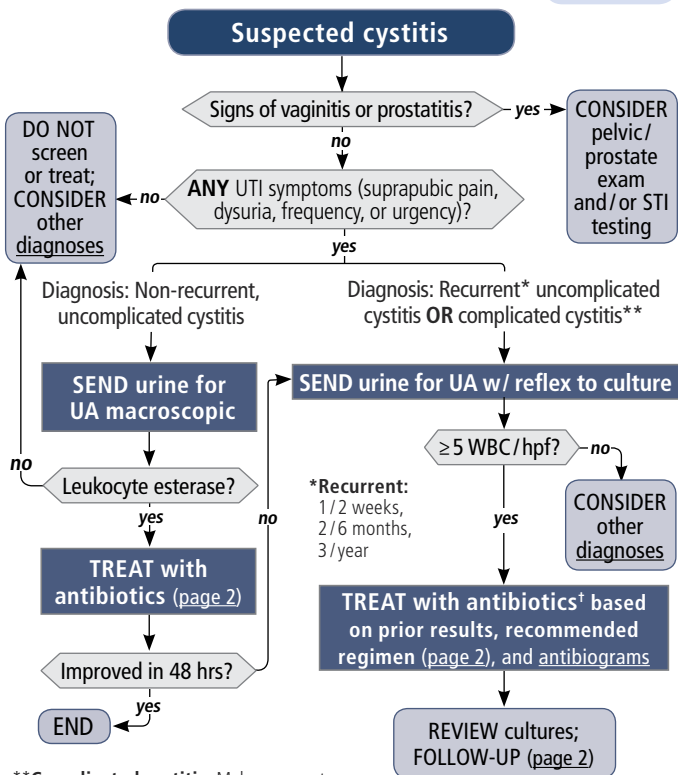


# Treatment of Cystitis

**UTI CPM**


\*\***Complicated cystitis:** Male, pregnant, uncontrolled diabetes, urinary tract obstruction/ abnormality, kidney injury, catheter, immunosuppressed, or hospital-acquired.

† In many cases of uncomplicated cystitis, antibiotic treatment can be delayed until culture results return.

# Treatment of Cystitis

**UTI CPM**

## Other diagnoses (cystitis mimics)

- Vaginitis/atrophic vaginitis
- Urethral stricture
- Irritant contact dermatitis
- Prostatitis
- STI
- Malignancies
- Interstitial cystitis
- Overactive bladder
- Bladder diverticulum

## Recommended antibiotics for cystitis

| Antibiotic   | Instructions  | Notes  |
|--|---|--|
| nitrofurantoin monohydrate <sup>1</sup> (Macrobid) | 100 mg orally 2 times per day for 5 days uncomplicated; 7 days complicated                | CONSIDER use if CrCl is 30–60 mL/min; AVOID use if CrCl < 30 mL/min. |
| Alternatives                                       |   |  |
| cephalexin <sup>1</sup>                            | 500 mg orally 4 times per day for 7 days  |  |
| trimethoprim (TMP)/sulfamethoxazole (SMX) DS       | 160 mg TMP/800 mg SMX orally 2 times per day for 3 days uncomplicated; 7 days complicated |  |
| ciprofloxacin                                      | 500 mg orally 2 times / day; 7 days; complicated <sup>2</sup>                             |  |
| fosfomycin   | 3 g orally once, uncomplicated  |  |

1. Not recommended for prostatitis

2. FDA warning against use in uncomplicated cystitis, only use if lack alternative

## REVIEW culture results and FOLLOW UP

| Patient improving  | Patient NOT improving   |  |
|--|---|--|
| <b>COMPLETE</b> current antibiotic regimen regardless of reported antibiotic susceptibility. | Culture is <b>susceptible</b> to current antibiotic   | Culture is <b>resistant</b> to current antibiotic  |
|  | <ul style="list-style-type: none"> <li>• CONSIDER cystitis mimics.</li> <li>• REPEAT urine culture; while waiting, if cystitis mimics are ruled out, INITIATE change in antibiotic therapy based on culture results.</li> </ul> | <ul style="list-style-type: none"> <li>• INITIATE change in antibiotic therapy</li> <li>• TARGET organism according to culture results.</li> </ul> |