

Urinary Tract Infections

Diagnosis	Treatment	Severe Penicillin Allergy
Uncomplicated cystitis (outpatient treatment)	Cefdinir 300mg po BID x 3 days OR Nitrofurantoin 100mg po BID x 3 days [€] OR TMP/SMX DS 1 tab po BID x 3 days OR Ciprofloxacin 250mg po BID x 3 days ⁱ	Nitrofurantoin 100mg po BID x 3 days [€] OR TMP/SMX DS 1 tab po BID x 3 days OR Ciprofloxacin 250mg po BID x 3 days ⁱ
Complicated cystitis WITH risk factors for resistance* (outpatient treatment)	Cefdinir 300mg po BID x 7 days [¥] OR Nitrofurantoin 100mg po BID x 7 days ^{€¥} OR Fosfomycin 3gm po every 48 hours x 2 doses [¥] Optional (in addition to above): Ceftriaxone IV/IM x 1	Nitrofurantoin 100mg po BID x 7 days ^{€¥} OR Fosfomycin 3gm po every 48 hours x 2 doses [¥]
Complicated cystitis WITHOUT risk factors for resistance* (outpatient treatment)	Cefdinir 300mg PO BID x 7 days [¥] OR TMP/SMX DS one tab po BID x 7 days [¥] OR Ciprofloxacin 250mg po BID x 7 days ^{i¥} Optional (in addition to above): Ceftriaxone 1gm IV/IM x 1	TMP/SMX DS one tab po BID x 7 days [¥] OR Ciprofloxacin 250mg po BID x 7 days ^{i¥}
Pyelonephritis [‡]	Ceftriaxone 1gm IV/IM q24h x 14 days	Gentamicin 5mg/kg IV q24h x 14 days OR Gentamicin 160mg IM (80mg IM x 2 doses)
Pregnancy Cystitis (outpatient) Pyelonephritis	Cefdinir 300mg PO BID x 7 days Ceftriaxone 1gm IV q24h x 14 days	Nitrofurantoin 100mg po BID x 7 days [€] Gentamicin 5mg/kg IV q24h x 14 days
Associated with catheter or urostomy, nursing home/healthcare acquired [‡]	Piperacillin-tazobactam 3.375gm q8h x 10-14 days	Gentamicin 5mg/kg IV q24h x 10-14 days PLUS Ciprofloxacin 500mg po q12h x 10-14 days
Prostatitis	Doxycycline 100mg BID OR TMP/SMX DS one tab po BID OR Ciprofloxacin 750mg po BID	Doxycycline 100mg po BID OR TMP/SMX DS one tab po BID OR Ciprofloxacin 750mg po BID

* Risk factors for resistant infections:

- Hospitalization within the past 6 months
- Treatment for urinary tract infection within the past 6 months
- Treatment with fluoroquinolones within the past 6 months
- Presence of indwelling urinary catheter

[¥] May consider treatment duration of 14 days if catheter present which cannot be removed

[€] Nitrofurantoin should not be used for patients with CrCl < 50 mL/min

ⁱ Fluoroquinolones should be reserved for those patients with history of allergy or intolerance to other listed therapies

[‡] Modify antibiotics in response to culture results and sensitivities