

Pyelonephritis

Diagnosis of a urinary tract infection requires signs or symptoms to be present, including: dysuria, frequency, urgency, supra-pubic tenderness, and hematuria. Patients who have fever, flank pain, chills or CVA tenderness should be assessed for pyelonephritis.

Moderate (hospitalized)

Drug	Dose	Route	Duration
Cefuroxime	500 mg BID	PO	7 days
Amoxicillin-clavulante	875 mg BID	PO	7 days
TMP-SMX	1 DS tab BID	PO	7 days
Cefixime	400 mg daily	PO	7 days

Moderate (hospitalized) and IV therapy required

Drug	Dose	Route	Duration
Ceftriaxone	1 g q24h	IV	7-10 days
Tobramycin	6 mg/kg q24h	IV	7-10 days

Second-line (if severe β -lactam/TMP-SMX/aminoglycoside allergy)

Drug	Dose	Route	Duration
Ciprofloxacin	500 mg BID	PO	7 days

Severe (septic shock or ICU, or known/suspected ESBL)

Drug	Dose	Route	Duration
Piperacillin-tazobactam	3.375 g q6h	IV	7-10 days

OR if penicillin allergic:

Meropenem	500 mg q6h	IV	7-10 days
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