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| The condition | Duration | | Rout of administration | The antibiotic |
| Uncomplicated | 3 days | | orally | Amoxicillin without clavulanate |
| Cephalosporin |
| TMP-AMX |
| Nitrofurantoin |
| Fluoroquinolone (ciprofloxacin or norfloxacin) |
| Recurrent | Postictal:  After sexual activity | Prophylactic  For 6 months | - | TMP-SMX |
| Cephalexin |
| Ciprofloxacin |
| Nitrofurantoin |
| Uncomplicated pyelonephritis | 14 days | | First dose: IV  Other doses: orally | Ciprofloxacin |
| Amoxicillin with clavulanate |
| Cephalosporin |
| TMP-SMX |
| Pregnant | 7-10 days | | - | Ampicillin |
| Amoxicillin |
| Cephalosporin |
| Nitrofurantoin |
| Quinolones: contraindicated |
| Urethritis in men | 7 days for doxycycline | | - | Azithromycin |
| Doxycycline |
| Children | - | | IV | Gentamycin |
| TMP-SMX |
| cephalexin |
| Vesicoureteral reflex (VUR) | 2-4 days for cefixime | | - | Gentamicin |
| cefixime |
| Moderate to severe pyelonephritis | Antibiotic given IV for 3-5 until relive of the symptoms | | | - |
| Chronic pyelonephritis | The antibiotic given even when there is no symptoms | | | - |
| Diabetic | 7-14 days | | - | - |