

Moxifloxacin (Avelox)

Indication(s): Antibiotic Trauma, Cellulitis

Contraindications: Hypersensitivity to Moxifloxacin or another quinolone antibacterial agent. History of fluoroquinolone induced tendinopathy. History of myasthenia gravis.

Precautions: Ciprofloxacin is not recommended for use in pediatric patients (<18yo) or during pregnancy (Weigh Benefit vs. Risk). There are reports of possible tendonitis or tendon rupture associated with ciprofloxacin use. Consider discontinuation/alternate therapy if joint or tendon pain occurs.

Drug Interactions: Reports of QT Prolongation – Class effect – Consider other Meds/Co-morbidities. Administration of an NSAID with a quinolone may increase the risk of CNS stimulation and convulsions. Divalent or trivalent metal cations, e.g., calcium, iron salts, zinc (including within multivitamins), antacids containing aluminum or magnesium – Give 4hrs before or 8hrs after (Chelation risk).

Adverse Effects: ($\geq 1\%$) Nausea (1-7%); Diarrhea (1-6%); Headache (1-6%); Abdominal pain (~2%); Vomiting; Headache; Dizziness (~3%); Insomnia (~4%); Restlessness; ($\leq 1\%$). (<1%) Taste perversion, tendinopathy, QTc prolongation, palpitations, hypo/hyperglycemia, peripheral neuropathy, mood disturbances.

Pharmacology: Inhibition of bacterial DNA synthesis.

Dosage and Administration: 400mg PO once daily