Floroquinolones

Prototype Med	Ciprofloxacin (Cipro)
Other Meds	Ofloxacin
	Moxifloxacin (Avelox)

Used in the treatment of bacterial infections and UTIs. They also protect against anthrax after exposure to its spores.

Therapeutic Use

Treats a wide range of bacterial infections, including severe urinary tract disorders.

Prevents anthrax (following inhalation of anthrax spores) in both adults and children.

Adverse Drug Reactions

Dizziness, headache; confusion in older clients

nausea, vomiting, diarrhea

Achilles tendon rupture (rare), especially in older clients, and clients taking glucocorticoids, and transplant recipients

Photosensitivity (sunburn-like reaction) even with indirect sun exposure, sunlamp exposure; may occur despite use of sunscreen

Severe adverse reactions include seizures, intracranial pressure, suicidal ideation, hepatotoxicity, anaphylaxis, CDAD

Nursing Interventions

Monitor for and report GI symptoms (a decrease in the dose may need to occur).

Monitor for and report tendon pain during treatment (discontinue if pain occurs).

Don't allow clients to go outdoors without covering their skin with clothing. They also need to apply sunscreen to areas of exposure.

Interactions

Antacids, iron preparations, calcium (including dairy products), and sucralfate (Carafate) decrease oral absorption.

Increases theophylline levels and the risk for CNS symptoms.

Increases warfarin (Coumadin) levels.

Concurrent use of erythromycin, quinidine, some antipsychotics, and tricyclic antidepressants can increase the risk for torsade de pointes in those susceptible.

Increased hypoglycemia may occur when taken concurrently with antidiabetic medication.

Administrationdverse Drug Reactions**

Available in oral and IV forms.

- Infuse slowly over at least 60 min; follow recommendations for dilution.
- Incompatible with multiple other drugs in IV solution or IV tubing.

Patient Education

Report CNS and GI symptoms to provider.

Decrease caffeine use during treatment.

Report tendon pain to provider.

Avoid exposure to sunlight or sunlamp/wear sunscreen/protective clothes

Take antacids, iron, calcium, dairy products, and sucralfate 2 hr after or 6 hr before oral ciprofloxacin.

Encourage patients to drink at least 1,500 to 2,000 mL of fluids/day

Contraindications

Allergy to any fluoroquinolone

Tendon pain

Myasthenia gravis

Precautions

Serious CNS disorders (seizure disorder)/ GI disorders

Renal impairment

Coumadin therapy

Children under 18

Pregnancy risk

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