

Fluoroquinolone interactions

Interacting drug	FQ involved	Possible outcome of interaction
Antacids Class Ia and III anti-arrhythmics Antidiabetics	Ciprofloxacin (Cipro), Levofloxacin (Levo), Gatifloxacin (Gati) Levo, Gati Cipro, Levo, Gati	Decreased absorption can lead to subtherapeutic FQ levels. Additive prolongation of QTc interval could lead to arrhythmia. Reports of hypo- and hyperglycemia have occurred in patients receiving <u>antidiabetic medications</u> .
Caffeine	Cipro, Levo	Patients who ingest large amounts of caffeine may experience increased stimulatory effects.
Clozapine/olanzapine	Cipro	Some patients might experience increased sedation/orthostatic hypotension.
Cyclosporine	Cipro	Monitor cyclosporine and serum <u>creatinine levels in transplant patients</u> .
Diazepam	Cipro	Monitor for increased diazepam effects (sedation/ataxia).
Didanosine	Cipro, Levo, Gati	FQ absorption can be decreased to subtherapeutic levels.
Digoxin	Gati	Monitor for signs of digoxin toxicity and check level if appropriate.
Food (high fat, high calcium, e.g., milk, cheese, sardines, almonds)	Cipro, Levo, Gati	FQ absorption can be decreased to <u>subtherapeutic levels</u> .
Foscarnet	Cipro	Some case reports of seizure have occurred. Avoid in patients at high risk of seizure.
Iron salts	Cipro, Levo	FQ absorption can be decreased to subtherapeutic levels.
Metoprolol	Cipro	Monitor for any changes in blood pressure or cardiac function in <u>high-risk patients</u> .
NSAIDs	Levo, Gati	Monitor patients for any signs of CNS stimulation.
Phenytoin	Cipro, Levo	Monitor for increased phenytoin levels and observe patient for nausea, vomiting, blurred vision, slurred speech, etc.
Probenecid	Cipro, Levo, Gati	FQ concentration may be increased. Monitor for increased incidence of headache, GI upset, etc.
Ropinirole	Cipro	Ropinirole concentration may be increased. Monitor for nausea, <u>dizziness, somnolence</u> .
Sucralfate	Cipro, Levo, Gati	FQ absorption can be decreased to <u>subtherapeutic levels</u> .
Theophylline (THP)	Cipro, Levo	Monitor and adjust THP dose as necessary.
Vitamins (with elemental cations)	Cipro, Levo, Gati	FQ absorption may be decreased to <u>subtherapeutic levels</u> .
Warfarin	Cipro, Levo	Monitor PT/INR and adjust warfarin as necessary.
Zinc	Cipro, Levo, Gati	FQ absorption can be decreased to <u>subtherapeutic levels</u> .