

Drug—drug interactions

Drugs in interaction	Effect	Drugs in interaction	Effect
Quinolones + macrolides	QTc prolongation, arrhythmias	Digoxin + amiodarone	Digoxin toxicity
ACE inhibitors + spironolactone	Hyperkalemia	Digoxin + verapamil	Bradycardia, heart block, digoxin toxicity
ACE inhibitors + potassium supplements	Hyperkalemia	Theophylline + quinolones	Theophylline toxicity, seizures
SSRIs + triptans	Serotonin syndrome	Warfarin + macrolides, quinolones, or sulfa antibiotics	Bleeding
NSAIDs + glucocorticoids	Gastrointestinal bleeding	Warfarin + NSAIDs	Gastrointestinal bleeding
Gentamicin + ampicillin	Increased bactericidal effect	Warfarin + phenytoin	Warfarin toxicity, phenytoin toxicity
Acetaminophen + aspirin	Increased pain control	Simvastatin + fluconazole	Increased simvastatin levels, liver toxicity
Sildenafil + nitroglycerin	Severe hypotension	Levothyroxine + omeprazole	Decreased absorption of levothyroxine

Drug—food and alcohol interactions

Combination	Effect
MAO inhibitors + high-tyramine foods (cheese, wine, cured meats, bananas, etc.)	Potentially fatal increase in blood pressure, headache
Warfarin + vitamin K—rich foods (kale, broccoli, etc.)	Reduced effect of warfarin, causing blood clots
Metronidazole + alcohol	Nausea, vomiting, flushing, headache

Herbal supplement interactions

Herbal supplement	Drug involved	Effect
Ginkgo biloba	Warfarin, clopidogrel, aspirin	Risk of bleeding
Licorice	Warfarin; digoxin	Risk of clotting; digoxin toxicity
St. John's wort	Warfarin; multiple interactions with cardiac drugs, statins, immunosuppressants, antidepressants, benzodiazepines, antiepileptics, birth control pills, anti-HIV drugs	Risk of clotting; decreased effect, increased toxicity