

## Drug-Induced QT Prolongation

<b>Drugs Associated with QT Prolongation and TdP</b>				
<b>Antiarrhythmics</b>	<b>Antimicrobials</b>	<b>Antidepressants</b>	<b>Antipsychotics</b>	<b>Others</b>
Amiodarone	Levofloxacin	Amitriptyline	Haloperidol	Cisapride
Sotalol	Ciprofloxacin	Desipramine	Droperidol	Sumatriptan
Quinidine	Gatifloxacin	Imipramine	Quetiapine	Zolmitriptan
Procainamide	Moxifloxacin	Doxepin	Thioridazine	Arsenic
Dofetilide	Clarithromycin	Fluoxetine	Ziprasidone	Dolasetron
Ibutilide	Erythromycin	Sertraline		Methadone
	Ketoconazole	Venlafaxine		
	Itraconazole	Trazodone		

<b>Drug Interactions That May Delay Repolarization</b>		
<b>Isozyme</b>	<b>Drug Shown to Prolong QT</b>	<b>Inhibitor</b>
CYP3A4	Amiodarone Erythromycin Quinidine Haloperidol Pimozide Tacrolimus Cisapride Dofetilide Disopyramide Tamoxifen Mesoridazine	Cimetidine Erythromycin Indinavir Ketoconazole Ritonavir Diltiazem Clarithromycin Itraconazole
CYP1A2	Imipramine	Cimetidine Fluvoxamine Ciprofloxacin
CYP2D6	Thioridazine Imipramine Amitriptyline Flecainide Doxepin Tamoxifen	Amiodarone Diphenhydramine Chlorpheniramine Quinidine Fluoxetine

<b>Risk Factors</b>
Age
Female gender
Bradycardia
Left ventricular failure
Recent cardioversion
Congenital long QT syndrome
Electrolyte abnormalities
Hypomagnesemia
Hypokalemia
Hypocalcemia
Hepatic dysfunction