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An HIV Information Site & HIV Educational Resource Site (HIS & HERS)

Fortovase - Invirase - saquinavir	
General Information	Saquinavir (Fortovase or Invirase) is always used as one component of a multidrug combination to suppress the human immunodeficiency (HIV) viral load.
Specifics	Saquinavir is the oldest protease inhibitor and one of the older antiviral drugs against HIV, and it is still being taken by many persons.
	Saquinavir works by inhibiting the production of HIV's proteins. It is classified as a protease inhibitor (PI).
Dosing	There are several ways to take saquinavir, both as the only protease inhibitor in a combination of antivirals and mixed with other protease inhibitors.
	The soft gel cap form of saquinavir (Fortovase) is better absorbed and is the form that is used when saquinavir is not given with another protease inhibitor such as ritonavir (Norvir), lopinavir/ritonavir (Kaletra), or indinavir (Crixivan). If another protease inhibitor is used, than the hard gel cap form (Invirase) is usually used.
	If the hard gel form (Invirase) is used WITHOUT another protease inhibitor, not enough saquinavir may be absorbed into your system and this drug may not be effective and HIV may development resistance to this drug and other protease inhibitors.
	This combination of ritonavir and saquinavir is termed "boosted saquinavir" because ritonavir increases the levels of saquinavir in the bloodstream. This boosted dosing is used when saquinavir is combined with nevirapine (Viramune) or efavirenz (Sustiva) or one must increase the dose of indinavir (Crixivan).
	Without boosting with ritonavir or another protease inhibitor: Take Fortovase soft gel caps 200 mg 6 three times a day with food. Fortovase must be taken with food or the absorption is poor which may cause the problems mentioned above (poor effectiveness and possible resistance to saquinavir and other protease inhibitors)

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summarized the important and more common problems here.	All drugs of this type can cause or contribute to abnormal fat redistribution characterized by an enlarged belly, thinning of the face, arms, or legs. In most cases this would be also accompanied by elevated cholesterol levels, elevated triglyceride levels, and perhaps a tendency to develop diabetes. To help minimize these possible problems, try to eat a healthy diet and get some exercise. If you are gaining weight, it is not just caused by the medications; it is also due to eating too many calories for your level of activity. Eat less and move more!
Interactions This refers to the way that saquinavir affects other medications	Many other drugs have interactions with saquinavir that may be helpful, harmful, or even deadly.
	Make sure that you tell your healthcare provider about all of your medications including over-the-counter ones.
	Some medications should NOT be taken at all with saquinavir:
	Antihistamines: terfenadine (Seldane), astemizole (Hismanal) Drugs to increase esophagus and stomach movement: cisapride Drugs to regulate heart rhythm: amiodarone (Carderone, Pacerone), quinidine (Quinidex), flecainide (Tambocor), propafenone (Rhythmol, Rhythmol SR), bepridil Ergot derivatives for migraine headaches: dihydroergotamine (D.H.E. 45), ergonovine, ergotamine, methylergonovine (Methergine) Drugs to treat mental health problems (Tourette's syndrome): pimozide (Orap) Sedatives/sleeping pills: midazolam (Versed), triazolam (Halcion) All statins (drugs to decrease cholesterol) other than atorvastatin (Lipitor), pravastatin (Pravachol) Natural remedies: St John's wort, garlic capsules Tuberculosis treatment: rifampin (Rifadin, Rimactane, Rifamate) Drugs to prevent seizures: carbemazepine (Tegretol), phenobarbital
	Certain drugs should be used only very cautiously:
	 Drugs to prevent seizures: phenytoin (Dilantin) All erectile dysfunction drugs: sildenafil (Viagra), tadalafil (Cialis), vardenafil (Levitra) Drugs to prevent rejection of transplanted organs or bone marrow: cyclosporine (Neoral, Sandimmune), tacrolimus (FK506, Prograf), sirolimus (Rapamune) Drugs to treat mycobacteria or TB-like infections: Rifabutin (Mycobutin) Pain medication: methadone (Dolophine, Methadose) Oral contraceptive pills (another form of contraception should be used in addition) Statin drugs: atorvastatin (Lipitor), pravastatin (Pravachol)

Report to you healthcare provider or go to an Emergency Room if you have severe side effects, increasing side effects, shortness of breath, uncontrollable diarrhea, fever, rash, weakness, jaundice (eyes and skin turn yellow,) muscle pain, nausea and vomiting so that you cannot hold down your food and liquids.

You can download this handout in PDF format by clicking **HERE**. You can download the handout for Invirase from the drug company **HERE**.

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