Dear Fellow CML Patient:

This chart contains a comprehensive list of all known drugs and food that have the potential to interact with Tyrosine Kinase Inhibitors such as Gleevec®, Sprycel® and Tasigna®. It is always very important to make sure your doctor knows what other drugs you may be taking other than your primary drug to treat your CML. Inadvertently combining TKI's with any of the food or drugs on this list may have some consequences such as preventing you responding to drug therapy and/or experiencing additional side effects. Please bring this chart with you on your next doctor's visit and review the list with your doctor if you have any concerns.

The Chronic Myelogenous Leukemia Society of Canada
La Société de la Leucemie Myéloide chronique du Canada

1 POTENTIAL TO PROLONG THE QT INTERVAL

Anti-arrhythmic drugs	Other drugs
Amiodarone	Chloroquine
Disopyramide	Halofantrine
Procainamide	Clarithromycin
Quinidine	Haloperidol
Sotalol	Methadone
	Anthracycline *(at cumulative high-dose)*

2 POTENTIAL TO INCREASE PLASMA CONCENTRATIONS*

CYP-3A4 inhibitors ▲	Antibiotics *(Fluoroquinolones)*	Antineoplastics
Antifungals	ciprofloxacin	Vinblastine
Ketoconazole	norfloxacin	Vincristine
Itraconazole	**Antivirals**	Vinorelbine
Fluconazole	Atazanavir	Doxorubicin
Voriconazole	Indinavir,	**Others**
Terbinafine	Nefazodone	Isoniazid
Antibiotics *(macrolides)*	Nelfinavir	Diltiazem
Erythromycin	Ritonavir,	Mifepristone
Clarithromycin	Saquinavir	Cimetidine
Troleandomycin	Delavirdine	Ranitidine
Telithromycin	**Antidepressants**	Quinidine
	Fluvoxamine	Amiodarone
	Nefazodone	Grapefruit juice
	Norfluoxetine)	Pomegranate juice

3 POTENTIAL TO DECREASE PLASMA CONCENTRATIONS*

CYP-3A4 inducers ▼	Antivirals	Barbiturates
Glucocorticoids	Efavirenz	Phenobarbital
Dexamethasone	Nevirapine	**Oral Hypoglycemics**
Antibiotics	Etravirine	Pioglitazone
Rifampin	**Anticonvulsants**	Troglitazone
Rifabutin	Carbamazepine	
	Phenytoin	

4 DRUGS WHOSE PLASMA CONCENTRATIONS MAY BE AFFECTED (INCREASE) ▲

Benzodiazepines	Calcium Channel Blockers	Antineoplastics
Alprazolam	Amlodipine	Taxol
Diazepam	Diltiazem	Vincristine
Midazolam	Felodipine	Irinotecan
Triazolam	Nifedipine	**Others**
Immunomodulators	Verapamil	Tamoxifen
Cyclosporine	**HMG-COA Reductase Inhibitors**	Warfarin
Tacrolimus	Atorvastatin	Sildenafil
Sirolimus	Lovastatin	Methadone
Prokinetic	Simvastatin	Clopidogrel
Cisapride	**Oral Contraceptives**	Dextromethorphan
Antihistamines	**Analgesics**	Trazodone
Chlorpheniramine	Acetaminophen	Quetiapine
	Codeine	

5 DRUGS WHOSE PLASMA CONCENTRATIONS MAY BE AFFECTED (DECREASE)▼

Levothyroxine

6 VACCINES [1,2] (for all TKI's)

Flu vaccine or any other
(Interferon-inducer)
During the immediate period following vaccines administration:

1. Patient antibody response to a vaccine may be decreased.

2. Immunization of patients on Gleevec should be done with extreme caution and not with live virus vaccine.

7 HERBAL PRODUCTS INTERACTIONS

(Decrease)▼	(Increase)▲	(Increase)▲
St. Johns Wort	Kava-kava *(Piper methysticum)*	Black cohosh *(cimicifuga racemosa)*
	Goldenseal *(Hydrastis canadensis)*	Milk Thistle *(Silymarin)*
	Cat's claw *(Uncaria tomentosa)*	Valerian root *(Valeriana officinalis)*

8 HERBAL PRODUCTS MAY EITHER (INCREASE OR DECREASE)▲▼

More studies are needed to determine the exact effects. Do not consume large quantities of these herbals.

	Gingko *(Gingko biloba)*	Green Tea *(camellia sinensis)*
	Garlic *(Allium sativum L.)*	Ginseng *(Panax spp)*
	Saw palmetto *(Serenoa repens)*	Dong quai *(Angelica sinensis)*
	Siberian ginseng *(Eleutheroccus senticosus)*	Glucosamine chondroitin
	Teas *(dandelion, peppermint, chamomile)*	Genistein *(isoflavinoid)*

9 FOOD/BEVERAGE TO AVOID in case of GastroIntestinal (GI) side effects due to all TKI's

Spicy foods	Caffeine	Dairy products
Chocolate	Citrus juice	

This chart has been compiled with the collaboration of the medical departments at both Bristol Myers Squibb and Novartis Oncology.

It was reviewed by our Medical Advisors and Patient Advisory Board Members, and will be updated on a regular basis.

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