

## PERSONALIZED MEDICINE IN YOUR POCKET

The MSC system provides guidelines authored by the Clinical Pharmacogenetics Implementation Consortium (CPIC) for the following drug substances:

CYP2C19	amitriptyline	DPYD	capecitabine
CYP2C19	clomipramine	DPYD	fluorouracil
CYP2C19	clopidogrel	DPYD	tegafur
CYP2C19	imipramine	TPMT	azathioprine
CYP2C19	nortriptyline	TPMT	mercaptopurine
CYP2C19	trimipramine	TPMT	thioguanine
CYP2C9	warfarin	SLCO1B1	simvastatin
CYP2D6	amitriptyline	VKORC1	warfarin
CYP2D6	clomipramine	HLA-B	abacavir
CYP2D6	codeine	HLA-B	allopurinol
CYP2D6	desipramine	HLA-B	carbamazepine
CYP2D6	doxepin	HLA-B	ribavirin
CYP2D6	imipramine	IFNL3	peginterferon alfa-2a
CYP2D6	nortriptyline	IFNL3	peginterferon alfa-2b
CYP2D6	trimipramine	IFNL3	ribavirin

### WHAT IS THE MEDICATION SAFETY CODE?

- The Medication Safety Code (MSC) is a **QR code** that captures patient-specific data on genetic variants in important pharmacogenes.
- After scanning the QR code with a standard smartphone, you are led to a website that displays **patient-specific drug dosing recommendations**.
- **These recommendations help you to individualize your patient's drug therapy and thus reduce the risk for adverse drug reactions and ineffective treatments.**

---

### FOR MORE INFORMATION PLEASE VISIT

<http://www.safety-code.org>

---

### CONTACT

Dr. Matthias Samwald

Medical University of Vienna,  
BT88.3, Spitalgasse 23, 1090  
Vienna, Austria

[matthias.samwald@meduniwien.ac.at](mailto:matthias.samwald@meduniwien.ac.at)