Name: Mutze User Date: 08-06-2024

Name	Pharmacological action	Results
Celecoxib (Dosage)	Non-steroidal anti- inflammatory drugs	Intermediate CYP2C9 metabolizer. Start treatment with the lowest recommended dose.
Docetaxel (Adverse effects)	Antineoplastics	Decreased risk of adverse effects, leukopenia and neutropenia (Asians)
Efavirenz (Adverse effects)	Antivirals	Increased risk of adverse reactions
Fluvastatin (Pasaga)	Hypolipidemic agents	Increased risk of myopathy. Do not exceed the dose of 40mg or use alternative treatment.
Ibuprofen (Dosage)	Anti-inflammatory	Intermediate CYP2C9 metabolizer. Start treatment with the lowest recommended dose.
Ivacaftor (Efficacy)	Other drugs for the respiratory system	In case of cystic fibrosis, the use of ivacaftor is not recommended.
Methotrexate (Adverse Reactions)	Lamunomodulators	Increased risk of toxicity
Methotrexate in rheumatoid arthritis (Efficacy)	Immunon odulators	Decreased response to treatment
Olanzapine (Adverse effects)	Antipsyclotics	Increased likelihood of certain adverse effects
Olanzapine (Efficacy)	Antipsychotics	Probable worse response to treatment
Phenytoin (Dosage)	Antiepileptics	Intermediate CYP2C9 metabolizer. Start treatment with the recommended dose. Successive doses should be reduced by 5.6.
Tacrolimus (Dosage)	Immunosuppressants	Poor CFBA5 metabolizer. Initiate treatment with standard dose up I monitor
Thioguanine, Azathioprine, Mercaptopurine (Dosage)	Immunosuppressants	Intermediate TPMT metabolizer and normal NUDT15. Reduce dose and adjust according to the degree of adverse effects for each indication.
Valproic Acid (Adverse effects)	Antiepileptics	Increased risk of liver toxicity
Warfarin (Adverse Reactions)	Antithrombotics	Increased risk of bleeding at standard doses
Abacavir (Adverse effects)	Antivirals	Reduced risk of hypersensitivity
Acenocoumarol, Fenprocoumon (Adverse effects)	Antithrombotics	It presents a copy of c1639G>A in (KO)C1. Risk of adverse effects unchanged
Amifampridine (Dosage)	Cholinergics	Probably NAT2 intermediate acetylator. Usun do
Aminoglycoside antibiotics (Adverse effects)	Antibiotics	No variation in the risk of developing hearing loss
Amitriptyline (Dosage)	Antidepressants	It is recommended to initiate therapy with standard doses
Aripiprazole (Dosage)	Antipsychotics	Normal CYP2D6 metabolizer. Use the recommended dose
Atazanavir (Adverse effects)	Antivirals	Normal UGT1A1 metabolizer. Very low probability of hyperbilirubinemia.
Atomoxetine (Dosage)	Centrally acting psychostimulants	Normal CYP2D6 metabolizer. Consider increasing initial dose if there is no response or adverse effects.
Atorvastatin (Dosage)	Hypolipidemic agents	Normal SLCO1B1 activity. Treatment with standard doses
Brexpiprazole (Dosage)	Antipsychotics	Normal CYP2D6 metabolizer. Use the recommended dose

Citalogram (Dosage) Antiepileptics Normal CYP2C19 metabolizer. Standard dose is recommended Clobszam (Adverse Reactions) Muscle relaxants Citalogram (Dosage) Antidepressants It is recommended to mitiate therapy with standard doses is recommended Codeine (Dosage) Antidepressants It is recommended to mitiate therapy with standard doses Clopidogral (Dosage) Antidepressants It is recommended to mitiate therapy with standard doses Clopidogral (Dosage) Antidepressants Normal CYP2C19 metabolizer. Standard dose is recommended Codeine (Dosage) Antidepressants Normal CYP2C19 metabolizer. Use the recommended dose Desipramine (Dosage) Antidepressants Normal CYP2C19 metabolizer normal. Typical probability of adverse effects Dosepin (Dosage) Antidepressants It is recommended to initiate therapy with standard doses effects Dosepin (Dosage) Antidepressants It is recommended to initiate therapy with standard doses antidepressants opposed to the propose opposition of the propose opposition opposition opposition opposition opposition opposition opposition oppos	Brivaracetam (Dosage)	Anti-acid treatment	Normal CYP2C19 metabolizer. Standard dose is recommended
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Comeprazole (Dosage) Anti-acid treatment certain situations Normal CYP2C19 metabolizer. Consider dose increase in	Nortriptyline (Dosage)	Antidepressants	Normal CYP2D6 metabolizer. Use the recommended dose
Unitoning and (1) on and (1) on the first mont	Omeprazole (Dosage)	Anti-acid treatment	
	Pantoprazole (Dosage)	Anti-acid treatment	

Paroxetin (Dosage)	Antidepressants	Normal CYP2D6 metabolizer. Use the recommended dose
Peginterferons alfa-2a -2b and ribavirin (Efficacy)	Antivirals	Increased probability of response
Pimozide (Dosage)	Antipsychotics	Normal CYP2D6 metabolizer. Standard dose is recommended
Pitavastatin (Dosage)	Hypolipidemic agents	Normal SLCO1B1 activity. Treatment with standard doses
Pravastatin (Dosage)	Hypolipidemic agents	Normal SLCO1B1 activity. Treatment with standard doses
Quetiapine (Dosage)	Antipsychotics	Probably normal CYP3A4 metabolizer. It is recommended to use standard doses
Risperidone (Dosage)	Antipsychotics	Normal CYP2D6 metabolizer. Use the recommended dose
Rosuvastatin (Nosa ye)	Hypolipidemic agents	Treatment with standard doses is recommended
Selective Serotopin Reuptake Inhibitors (SSRIs) (Adverse effects)	Antidepressants	No variations in the likelihood of sexual dysfunction associated with SSRI treatment
Sertraline (Dosage)	Antidepressants	Normal CYP2C19 metabolizer. Standard dose is recommended
Simvastatin (Dosage)	Hypolipidemic ageins	Normal SLCO1B1 activity. Treatment with standard doses
Statins (Dosage and risk of myopathy)	Hypotipidemic agents	Normal risk of myopathy. Treatment with standard doses
Tamoxifen (Efficacy)	Antipsycholog	Normal CYP2D6 metabolizer. Standard dosage is recommended. Avoid CYP2D6 inhibitors.
Tramadol (Dosage)	Opioid analgesies	Normal CYP2D6 metabolizer. Use the recommended dose
Trimipramine (Dosage)	Antidepressants	It is recommended to initiate therapy with standard doses
Venlafaxine (Dosage)	Antidepressants	Normal CYP2D6 metabolizer. Use the recommended dose
Voriconazole (Dosage)	Antifungals	Normal CXP2C19 metabolizer. Standard dose is recommended
Vortioxetine (Dosage)	Antidepressants	Normal CVI2DE metabolizer. Initiate therapy with standard doses
Zuclopenthixol (Dosage)	Antipsychotics	Normal CYP2D6 metabolizer. Use the recommended dose

Celecoxib (Dosage)

Celecoxib is a non-steroidal anti-inflammatory drug indicated for pain in patients with osteoarthritis and rheumatoid arthritis. The presence of genetic polymorphisms in the CYP2C9 cytochrome gene may have an important impact on drug response.

Your result is

Intermediate CYP2C9 metabolizer. Start treatment with the lowest recommended dose.

SNP	GEN OR REGION	GENOTYPE	INTERPRETATION
rs754487195	CYP2C9	GG	You do not have the CYP2C9*46 reduced function allele.
rs9332239	CYP2C9	СС	You do not have the CYP2C9*12 reduced function allele.
rs199523631	CYP2C9	СС	You do not have the CYP2C9*45 loss-of-function allele.
rs28371686	CYP2C9	СС	You do not have the CYP2C9*5 reduced function allele.
rs72558192	CYP2C9	AA	You do not have the CYP2C9*16 reduced function allele.
rs72558189	CYP2C9	GG	You do not have the CYP2C9*14 reduced function allele.
rs9332131	CYP2C9	II	You do not have the CYP2C9*6 loss-of-function allele.

Warfarin (Adverse Reactions)

Warfarin is one of the most widely used anticoagulant drugs at present, although its narrow therapeutic margin implies a high risk of hemorrhagic complications. The genetic study of variants in the genes involved in its metabolism makes it possible to guide the dose requirement necessary to maintain an effective and safe anticoagulant effect.

Your result is

Increased risk of bleeding at standard doses

SNP			
	GEN OR REGION	GENOTYPE	INTERPRETATION
rs1799853	CYP2C9	СС	You do not have the CYP2C9*2 reduced function allele.
rs9923231	VKORC1	СТ	You have one copy of the c1639G>A variant in the VKORC1 gene.
rs781583846	CYP2C9	GG	You do not have the CYP2C9*30 reduced function allele.
rs56165452	CYP2C9	тт	You do not have the CYP2C9*4 reduced function allele.
rs754487195	CYP2C9	GG	You do not have the CYP2C9*46 reduced function allele.
rs199523631	CYP2C9	СС	You do not have the CYP2C9*45 loss-of-function allele.
rs72558192	CYP2C9	AA	You do not have the CYP2C9*16 reduced function allele.