


MS: Arthralgia

RESP: Bronchospasm

PHARMACOKINETICS

Rapidly absorbed; metabolized by liver (CYP3A4, CYP2B6, CYP1A2, CYP2C8); excreted in urine, feces; half-life 6 hr; protein binding 95%; effect on platelets after 3-7 days

INTERACTIONS

Black Box Warning:  Avoid use with CYP2C19 inhibitors (omeprazole, esomeprazole)

Increase: bleeding risk—anticoagulants, aspirin, NSAIDs, abciximab, eptifibatid, tirofiban, thrombolytics, ticlopidine, SSRIs, trestatinil, rifampin, SNRIs, prasugrel

Increase: action of some NSAIDs, phenytoin, TOLBUTamide, tamoxifen, toseamide, fluvastatin, warfarin

Decrease: clopidogrel effect—proton pump inhibitor (PPIs)

Decrease: CYP3A4 inhibitors/substrates—atorvastatin, simvastatin, cerivastatin

Drug/Herb

Increase: clopidogrel effect—feverfew, fish oil, omega-3 fatty acid, garlic, ginger, ginkgo biloba, green tea, horse chestnut

Decrease: clopidogrel effect—bilberry, saw palmetto


Drug/Lab Test

Increase: AST, ALT, bilirubin, uric acid, total cholesterol, nonprotein nitrogen (NPN)

NURSING CONSIDERATIONS

Assess:

• **Thrombotic/thrombocytic purpura:** fever, thrombocytopenia, hemolytic anemia, neurologic changes, treat immediately

Black Box Warning:  CYP2C19 allele (poor metabolizers): consider using another antiplatelet product; higher CV reaction occurs after acute coronary syndrome or PCI; tests are available to determine CYP2C19 allele

• Hepatic studies: AST, ALT, bilirubin, creatinine (long-term therapy)

• Blood studies: CBC, differential, Hct, Hgb, PT, cholesterol (long-term therapy); thrombocytopenia, neutropenia are rare

• **Hypersensitivity:** rash, angioedema may occur

Evaluate:

• Therapeutic response: absence of stroke, MI

Teach patient/family:

• That blood work will be necessary during treatment (CBC, liver function tests)

• **To report any unusual bruising, bleeding to prescriber; that it may take longer to stop bleeding**

• To take without regard to food

• To tell all health care providers that clopidogrel is being used; may be held for 5 days before surgery, restart as soon as possible

• **Hypersensitivity:** To report immediately rash, pruritus

• **Pregnancy/breastfeeding:** to notify provider if pregnancy is planned or suspected or if breastfeeding; do not breast-feed, use cautiously in pregnancy

clotrimazole (topical, vaginal, oral)

(kloe-trim'a-zole)

Cruex, Gyne-Lotrimin, Lotrimin, Lotrimin AF, MyCelex, MyCelex-7, Trivagizole 3, Desenex

Func. class.: Topical antifungal

Chem. class.: Imidazole derivative

Do not confuse:

clotrimazole/miconazole/clobetasol

ACTION: Antifungal activity results from altering cell wall permeability

USES: Vulvovaginal, oropharyngeal candidiasis; topical fungal infections

CONTRAINDICATIONS: Hypersensitivity, ophthalmic use

Precautions: Hepatic impairment (oral)