

prescribed prasugrel tablets for you, before you have any surgery or invasive procedure.

Tell your doctor about all the medicines you take, including prescription and nonprescription medicines, vitamins, and herbal supplements. Certain medicines may increase your risk of bleeding. See “What is the most important information I should know about prasugrel tablets?”

Know the medicines you take. Keep a list of them and show it to your doctor and pharmacist when you get a new medicine.

How should I take prasugrel tablets?

- Take prasugrel tablets exactly as prescribed by your doctor.
- Take prasugrel tablets one time each day.
- You can take prasugrel tablets with or without food.
- Do not split Prasugrel tablets.
- Take prasugrel tablets with aspirin as instructed by your doctor.
- Your doctor will decide how long you should take prasugrel tablets. Do not stop taking prasugrel tablets without first talking to the doctor who prescribed it for you. See “What is the most important information I should know about prasugrel tablets?”
- If you miss a dose, take prasugrel tablets as soon as you remember. If it is almost time for your next dose, skip the missed dose. Just take the next dose at your regular time. Do not take two doses at the same time unless your doctor tells you to.

- If you take too much prasugrel tablets, call your local emergency room or poison control center right away.
- Call your doctor or healthcare provider right away if you fall or injure yourself, especially if you hit your head. Your doctor or healthcare provider may need to check you.

What are the possible side effects of prasugrel tablets?

Prasugrel tablets can cause serious side effects, including:

- See “What is the most important information I should know about prasugrel tablets?”**
- A blood clotting problem called thrombotic thrombocytopenic purpura (TTP).** TTP can happen with prasugrel tablets, sometimes after a short time (less than 2 weeks). TTP is a blood clotting problem where blood clots form in blood vessels and can happen all over the body. TTP needs to be treated in a hospital right away, because you may die. Get medical help right away if you have any of these symptoms and they cannot be explained by another medical condition:
 - purplish spots called purpura on the skin or mucous membranes (such as on the mouth) due to bleeding under the skin
 - pale ness or jaundice (a yellowish color of the skin or eyes)
 - feeling tired or weak
 - fever
 - fast heart rate or feeling short of breath
 - headache, speech changes, confusion, coma, stroke, or seizure
- low amount of urine or urine that is pink-tinged or has blood in it
- stomach area (abdominal) pain, nausea, vomiting, or diarrhea
- visual changes
- Serious allergic reactions.** Serious allergic reactions can happen with prasugrel tablets, or if you have had a serious allergic reaction to medicines called thienopyridines, for example clopidogrel (Plavix®) or ticlopidine hydrochloride. **Get medical help right away if you get any of these symptoms of a severe allergic reaction while taking prasugrel tablets.**

- swelling or hives of your face, lips, in or around your mouth, or throat
- trouble breathing or swallowing
- chest pain or pressure
- dizziness or fainting

Tell your doctor if you have any side effect that bothers you or that does not go away.

These are not all of the possible side effects of prasugrel tablets. For more information, ask your doctor or pharmacist. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store prasugrel tablets?

- Keep prasugrel tablets at room temperature between 59°F to 86°F (15°C to 30°C).
- Keep and dispense only in original container.
- Keep the container closed tightly with the gray cylinder inside.

- Protect prasugrel tablets from moisture.

Keep prasugrel tablets and all medicines out of the reach of children.

General Information about safe and effective use of prasugrel tablets

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use prasugrel tablets for a condition for which it was not prescribed. Do not give your prasugrel tablets to other people, even if they have the same symptoms you have. It may harm them.

This Medication Guide summarizes the most important information about prasugrel tablets. If you would like more information about prasugrel tablets, talk with your doctor or pharmacist. For more information, call Apotex Corp. at 1-800-706-5575

What are the ingredients in prasugrel tablets?

Active Ingredient: prasugrel hydrochloride, USP
Inactive Ingredients: microcrystalline cellulose, mannitol, low-substituted hydroxypropyl cellulose, hypromellose, stearic acid, and glyceryl behenate. The color coatings contain lactose monohydrate, hypromellose, titanium dioxide, triacetin, iron oxide yellow, and iron oxide red (only in prasugrel 10 mg tablet).

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Manufactured by :
Panacea Biotec Pharma Limited
Malpur, Baddi, District Solan (H.P.)-173205, India.

Mfg. Lic. No.: MNB/05/202

Manufactured for :
Apotex Corp.
Weston, Florida 33326

This Medication Guide has been approved by the U.S. Food and Drug Administration.

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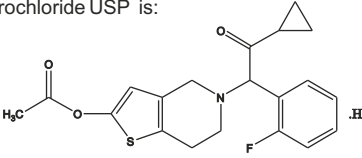
event of an overdose. In rats, lethality was observed after administration of 2000 mg/kg. Symptoms of acute toxicity in dogs included emesis, increased serum alkaline phosphatase, and hepatocellular atrophy. Symptoms of acute toxicity in rats included myrdiasis, irregular respiration, decreased locomotor activity, ptosis, staggering gait, and lacrimation.

10.2 Recommendations about Specific Treatment

Platelet transfusion may restore clotting ability. The prasugrel active metabolite is not likely to be removed by dialysis.

11 DESCRIPTION

Prasugrel tablet USP contains prasugrel, a thienopyridine class inhibitor of platelet activation and aggregation mediated by the P2Y₁₂ ADP receptor. Prasugrel tablet is formulated as the hydrochloride salt, a racemate, which is chemically designated as 5-[(1R)-2-cyclopropyl-1-(2-fluorophenyl)-2-oxoethyl]-4,5,6,7-tetrahydrothieno[3,2-c]pyridin-2-yl acetate hydrochloride. Prasugrel hydrochloride USP has the empirical formula C₂₄H₂₆FNO₃·S·HCl representing a molecular weight of 409.90. The chemical structure of prasugrel hydrochloride USP is:



Prasugrel hydrochloride, USP is a white to practically white solid. It is soluble at pH 2, slightly soluble at pH 3 to 4, and practically insoluble at pH 6 to 7.5. It also dissolves freely in methanol and is slightly soluble in 1- and 2-propanol and acetone. It is practically insoluble in diethyl ether and ethyl acetate.

Prasugrel tablet USP is available for oral administration as 5 mg or 10 mg round, biconvex, film-coated, non-scored tablets, debossed on each side. Each yellow 5 mg tablet was manufactured with 5.49 mg prasugrel hydrochloride, USP, equivalent to 5 mg prasugrel and each beige 10 mg tablet with 10.98 mg prasugrel hydrochloride, USP, equivalent to 10 mg of prasugrel. Other ingredients include mannitol, hypromellose, low-substituted hydroxypropyl cellulose, microcrystalline cellulose, stearic acid, and glyceryl behenate. The color coatings contain lactose monohydrate, hypromellose, titanium dioxide, triacetin, iron oxide yellow, and iron oxide red (only in Prasugrel 10 mg tablets).

12 CLINICAL PHARMACOLOGY

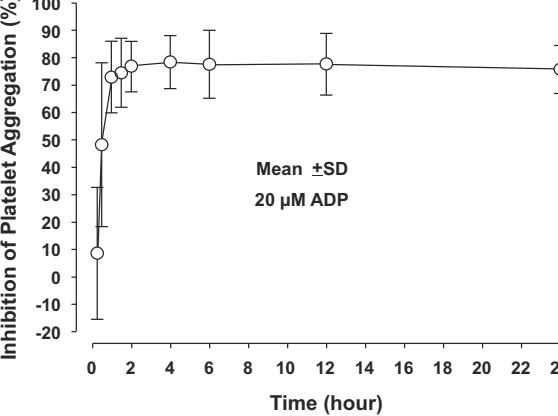
12.1 Mechanism of Action
Prasugrel is an inhibitor of platelet activation and aggregation through the irreversible binding of its active metabolite to the P2Y₁₂ class of ADP receptors on platelets.

12.2 Pharmacodynamics

Prasugrel produces inhibition of platelet aggregation to 20 µM or 5 µM ADP, as measured by light transmission aggregometry. Following a 60 mg loading dose of Prasugrel tablets, approximately 90% of patients had at least 50% inhibition of platelet aggregation by 1 hour. Maximum platelet inhibition was about 80% (see Figure 2). Mean steady-state inhibition of platelet aggregation was about 70% following 3 to 5 days of dosing at 10 mg daily after a 60 mg loading dose of Prasugrel tablets.

Figure 2: Inhibition (Mean±SD) of 20 µM ADP-induced Platelet Aggregation (IPA)

Measured by Light Transmission Aggregometry after Prasugrel 60 mg



Platelet aggregation gradually returns to baseline values over 5-9 days after discontinuation of prasugrel, this time course being a reflection of new platelet production rather than pharmacokinetics of prasugrel. Discontinuing clopidogrel 75 mg and initiating a prasugrel 10 mg maintenance dose with or without a prasugrel 60 mg loading dose results in a decrease of 14 percentage points in maximum platelet aggregation (MPA) by Day 7. This decrease in MPA is not greater than that typically produced by a 10 mg maintenance dose of prasugrel alone. The relationship between inhibition of platelet aggregation and clinical activity has not been established.

Metabolism and Elimination

Prasugrel is a prodrug and is rapidly metabolized to a pharmacologically active metabolite and inactive metabolites. The active metabolite has an elimination half-life of about 7 hours (range 2-15 hours). Healthy subjects, patients with stable atherosclerosis, and patients undergoing PCI show similar pharmacokinetics.

Absorption and Binding

Following oral administration, > 79% of the dose is absorbed. The absorption and metabolism are rapid, with peak plasma concentrations (C_{max}) of the active metabolite occurring approximately 30 minutes after dosing. The active metabolite's exposure (AUC) increases slightly more than proportionally over the dose range of 5 to 60 mg. Repeated daily doses of 10 mg do not lead to accumulation of the active metabolite. In a study of healthy subjects given a single 15 mg dose, the AUC of the active metabolite was unaffected by a high-fat, high-calorie meal, but C_{max} was decreased by 49% and T_{max} was increased from 0.5 to 1.5 hours. Prasugrel tablets can be administered without regard to food. The active metabolite is bound about 98% to human serum albumin.

Prasugrel is not detected in plasma following oral administration. It is rapidly hydrolyzed in the intestine to a thiolactone, which is then converted to the active metabolite by a single step, primarily by CYP3A4 and CYP2B6 and to a lesser extent by CYP2C9 and CYP2C19. The estimates of apparent volume of distribution of prasugrel's active metabolite ranged from 44 to 68 L and the estimates of apparent clearance ranged from 112 to 166 L/hr in healthy subjects and patients with stable atherosclerosis. The active metabolite is metabolized to two inactive compounds by S-methylation or conjugation with cysteine. The major inactive metabolites are highly bound to human plasma proteins. Approximately 68% of the prasugrel dose is excreted in the urine and 27% in the feces as inactive metabolites.

Specific Populations

Geriatric Patients

In a study of 32 healthy subjects between the ages of 20 and 80 years, age had no significant effect on pharmacokinetics of prasugrel's active metabolite or its inhibition of platelet aggregation. In TRITON-TIMI 38, the AUC of the active metabolite was 19% higher in patients > 75 years of age than in patients < 75 years of age. In a study in subjects with stable atherosclerosis, the mean exposure (AUC) to the active metabolite of prasugrel in subjects > 75 years old taking a 5 mg maintenance dose was approximately half that seen in subjects 45 to 64 years old taking a 10 mg maintenance dose. [see Warnings and Precautions (5.1) and Use in Specific Populations (8.5)].

Body Weight

The mean exposure (AUC) to the active metabolite is approximately 30 to 40% higher in subjects with a body weight of < 60 kg than in those weighing ≥ 60 kg. In a study in subjects with stable atherosclerosis, the AUC of the active metabolite on average was 38% lower in subjects < 60 kg taking 5-mg (N=34) than in subjects ≥ 60 kg taking 10 mg (N=38) [see Dosage and Administration (2), Warnings and Precautions (5.1), Adverse Reactions (6.1), and Use in Specific Populations (8.6)].

Male and Female Patients

Pharmacokinetics of prasugrel's active metabolite is similar in men and women.

Racial or Ethnic Groups

Exposure in subjects of African and Hispanic descent is similar to that in Caucasians. In clinical pharmacology studies, after adjusting for body weight, the AUC of the active metabolite was approximately 19% higher in Chinese, Japanese, and Korean subjects than in Caucasian subjects.

Smoking

Pharmacokinetics of prasugrel's active metabolite is similar in smokers and nonsmokers.

Patients with Renal Impairment

Pharmacokinetics of prasugrel's active metabolite and its inhibition of platelet aggregation are similar in patients with moderate renal impairment (CrCL=30 to 50 mL/min) and healthy subjects. In patients with end-stage renal disease, exposure to the active metabolite (both C_{max} and AUC (0-L_∞)) was about half that in healthy controls and patients with moderate renal impairment [see Warnings and Precautions (5.1) and Use in Specific Populations (8.7)].

Patients with Hepatic Impairment

Pharmacokinetics of prasugrel's active metabolite and inhibition of platelet aggregation was similar in patients with mild to moderate hepatic impairment compared to healthy subjects. The pharmacokinetics and pharmacodynamics of prasugrel's active metabolite in patients with severe hepatic disease have not been studied [see Warnings and Precautions (5.1) and Use in Specific Populations (8.8)].

Drug Interaction Studies

Potential for Other Drugs to Affect Prasugrel

Inhibitors of CYP3A - Ketoconazole (400 mg daily), a selective and potent inhibitor of CYP3A4 and CYP3A5, did not affect prasugrel-mediated platelet aggregation or the active metabolite's AUC and T_{max}, but decreased the C_{max} by 34% to 46%. Therefore, CYP3A inhibitors such as itraconazole, indinavir, ciprofloxacin, clarithromycin, and grapefruit juice are not expected to have a significant effect on the pharmacokinetics of the active metabolite of prasugrel [see Drug Interactions (7.4)].

Inducers of Cytochromes P450 - Rifampicin (600 mg daily), a potent inducer of CYP3A and CYP2B6 and an inducer of CYP2C9, CYP2C19, and CYP2C8, did not significantly change the pharmacokinetics of prasugrel's active metabolite or its inhibition of platelet aggregation. Therefore, CYP3A inducers such as rifampicin, carbamazepine, and other inducers of cytochromes P450 are not expected to have significant effect on the pharmacokinetics of the active metabolite of prasugrel [see Drug Interactions (7.4)].

Drugs that Elevate Gastric pH - Daily coadministration of ranitidine (an H₂ blocker) or lansoprazole (a proton pump inhibitor) decreased the C_{max} of the prasugrel active metabolite by 14% and 29%, respectively, but did not change the active metabolite's AUC and T_{max}. In TRITON-TIMI 38, Prasugrel tablet was administered without regard to coadministration of a proton pump inhibitor or H₂ blocker [see Drug Interactions (7.4)].

Statins - Atorvastatin (80 mg daily), a drug metabolized by CYP3A4 3A4, did not alter the pharmacokinetics of prasugrel's active metabolite or its inhibition of platelet aggregation [see Drug Interactions (7.4)].

Heparin - A single intravenous dose of unfractionated heparin (100 units/kg) did not significantly alter coagulation or the prasugrel-mediated inhibition of platelet aggregation; however, bleeding time was increased compared with either drug alone [see Drug Interactions (7.4)].

Warfarin - A significant prolongation of the bleeding time was observed when prasugrel was coadministered with 15-mg of warfarin [see Drug Interactions (7.1)].

Potential for Prasugrel to Affect Other Drugs

In vitro metabolism studies demonstrate that prasugrel's main circulating metabolites are not likely to cause clinically significant inhibition of CYP1A2, CYP2C9, CYP2C19, CYP2D6, or CYP3A, or induction of CYP1A2 or CYP3A.

Drugs Metabolized by CYP2B6 - Prasugrel is a weak inhibitor of CYP2B6. In healthy subjects, prasugrel decreased exposure to hydroxypropion, a CYP2B6-mediated metabolite of bupropion, by 23%, an amount not considered clinically significant. Prasugrel is not anticipated to have significant effect on the pharmacokinetics of drugs that are primarily metabolized by CYP2B6, such as halothane, cyclophosphamide, propofol, and nevirapine.

Effect on Digoxin - The potential role of prasugrel as a Pgp substrate was not evaluated. Prasugrel is not an inhibitor of Pgp, as digoxin clearance was not affected by prasugrel coadministration [see Drug Interactions (7.4)].

Morphine - Co-administration of 5 mg intravenous morphine with 60 mg loading dose of prasugrel in healthy adults decreased the C_{max} of prasugrel's active metabolite by 31% with no change in AUC, T_{max}, or inhibition of ADP-induced platelet aggregation. ADP induced platelet aggregation was higher up to 2 hours following 60 mg loading dose of prasugrel in stable patients more than 1 year after an ACS who were co-administered morphine. In the patients with a 2-hour delay in the onset of platelet aggregation (5 of 11), T_{max} was delayed and prasugrel active metabolite levels were significantly lower at 30 min (5 vs 120 ng/mL) following co-administration with morphine.

12.5 Pharmacogenomics

There is no relevant effect of genetic variation in CYP2B6, CYP2C9, CYP2C19, or CYP3A5 on the pharmacokinetics of prasugrel's active metabolite or its inhibition of platelet aggregation.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

No compound-related tumors were observed in a 2-year rat study with prasugrel at oral doses up to 100 mg/kg/day (>100 times the recommended therapeutic exposures in humans (based on plasma exposures to the major circulating human metabolite)). There was an increased incidence of tumors (hepatocellular adenomas) in mice exposed for 2 years to high doses (>250 times the human metabolite exposure).

Mutagenesis

Prasugrel was not genotoxic in two *in vitro* tests (Ames bacterial gene mutation test, clastogenicity assay in Chinese hamster fibroblasts) and in one *in vivo* test (micronucleus test by intraperitoneal route in mice).

Impairment of Fertility

Prasugrel had no effect on fertility of male and female rats at oral doses up to 300 mg/kg/day (80 times the human major metabolite exposure at daily dose of 10 mg prasugrel).

14 CLINICAL STUDIES

The clinical evidence for the effectiveness of prasugrel tablet is derived from the TRITON-TIMI 38 (Trial to Assess Improvement in Therapeutic Outcomes by Optimizing Platelet Inhibition) with prasugrel) study, a 13608 patient, multicenter, international, randomized, double-blind, parallel-group study comparing prasugrel tablets to a regimen of clopidogrel, each added to aspirin and other standard therapy, in patients with ACS (UA, NSTEMI, or STEMI) who were to be managed with PCI. Randomization was stratified for UA/NSTEMI and STEMI.

Patients with UA/NSTEMI presenting within 72 hours of symptom onset were to be randomized after undergoing coronary angiography. Patients with STEMI presenting within 12 hours of symptom onset could be randomized prior to coronary angiography. Patients with STEMI presenting between 12 hours and 14 days of symptom onset were to be randomized after undergoing coronary angiography. Patients underwent PCI, and for both UA/NSTEMI and STEMI patients, the loading dose was to be administered anytime between randomization and 1 hour after the patient left the catheterization lab. If patients with STEMI were treated with thrombolytic therapy, randomization could not occur until at least 24 hours (for teneceplase, reteplase, or alteplase) or 48 hours (for streptokinase) after the thrombolytic was given.

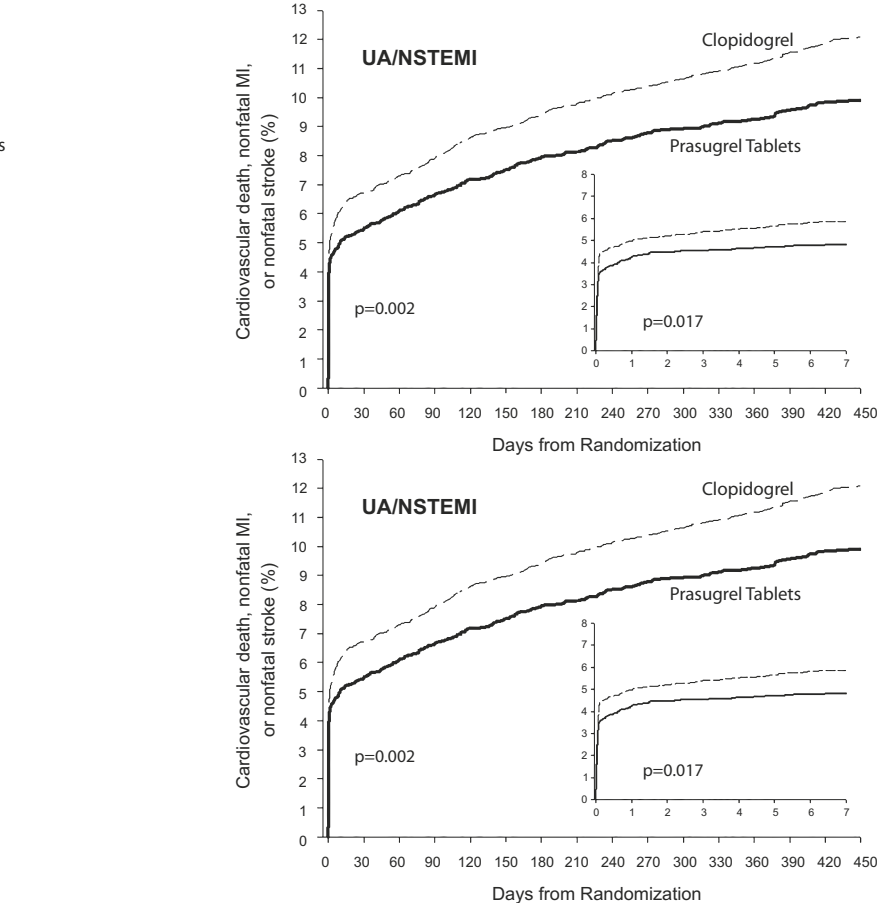
Patients were randomized to receive prasugrel tablets (60 mg loading dose followed by 10 mg once daily) or clopidogrel (300 mg loading dose followed by 75 mg once daily), with administration and follow-up for a minimum of 6 months (actual median 14.5 months). Patients also received aspirin (75 mg to 325 mg once daily). Other therapies, such as heparin and intravenous glycoprotein IIb/IIIa (GPIIb/IIIa) inhibitors, were administered at the discretion of the treating physician. Oral anticoagulants, other platelet inhibitors, and chronic NSAIDs were not allowed.

The primary outcome measure was the composite of cardiovascular death, nonfatal MI, or nonfatal stroke in the UA/NSTEMI population. Success in this goal allowed analysis of the same endpoint in the overall ACS and STEMI populations. Nonfatal MIs included both MIs detected solely through analysis of creatine kinase muscle-brain (CK-MB) changes and clinically apparent (investigator-reported) MIs. The patient population was 92% Caucasian, 28% female, and 39% ≥ 65 years of age. The median time from symptom onset to study drug administration was 7 hours for patients with STEMI and 30 hours for patients with UA/NSTEMI. Approximately 99% of patients underwent PCI. The study drug was administered after the first coronary guidewire was placed in approximately 75% of patients.

Prasugrel tablets significantly reduced total endpoint events compared to clopidogrel (see Figure 3 and Table 5). The reduction of total endpoint events was driven primarily by a decrease in nonfatal MIs, both those occurring early (through 3 days) and later (after 3 days). Approximately 40% of MIs occurred pre-procedurally and were detected solely by changes in CK-MB. Administration of the clopidogrel loading dose in TRITON-TIMI 38 was delayed relative to the placebo-controlled trials that supported its approval for ACS. Prasugrel tablets produced higher rates of clinically significant bleeding than clopidogrel in TRITON-TIMI 38 [see Adverse Reactions (6.1)]. Choice of therapy requires balancing these differences in outcome.

The treatment effect of prasugrel tablet was apparent within the first few days, and persisted to the end of the study (see Figure 3). The inset shows results over the first 7 days.

Figure 3: Time to first event of CV Death, MI, or Stroke (TRITON-TIMI 38)



The Kaplan-Meier curves (see Figure 3) show the primary composite endpoint of CV death, nonfatal MI, or nonfatal stroke over time in the UA/NSTEMI and STEMI populations. In both populations, the curves separate within the first few hours. In the UA/NSTEMI population, the curves continue to diverge throughout the 15-month follow-up period. In the STEMI population, the early separation was maintained throughout the 15-month follow-up period, but there was no progressive divergence after the first few weeks.

Prasugrel tablets reduced the occurrence of the primary composite endpoint compared to clopidogrel in both the UA/NSTEMI and STEMI populations (see Table 5). In patients who survived an on-study myocardial infarction, the incidence of subsequent events was also lower in the prasugrel tablets group.

Table 5: Patients with Outcome Events (CV Death, MI, Stroke) in TRITON-TIMI 38

	Patients with events		From Kaplan-Meier analysis	
	Prasugrel tablets (%)	Clopidogrel (%)	Relative Risk Reduction (%)*	p-value
UA/NSTEMI	N=5044	N=5030		
CV death, nonfatal MI, or nonfatal stroke	9.3	11.2	18.0 (7.3, 27.4)	0.002
CV death	1.8	1.8	2.1 (-30.9, 26.8)	0.885
Nonfatal MI	7.1	9.2	23.9 (12.7, 33.7)	<0.001
Nonfatal Stroke	0.8	0.8	21.1 (-51.3, 36.7)	0.922
STEMI	N=1769	N=1765		
CV death, nonfatal MI, or nonfatal stroke	9.8	12.2	20.7 (3.2, 35.1)	0.019
CV death	2.4	3.3	26.2 (-9.4, 50.3)	0.129
Nonfatal MI	6.7	8.8	25.4 (5.2, 41.2)	0.016
Nonfatal Stroke	1.2	1.1	-9.7 (-104.0, 41.0)	0.77

*RRR = (1-Hazard Ratio) × 100%. Values with a negative relative risk reduction indicate a relative risk increase.

The effect of Prasugrel tablets in various subgroups is shown in Figures 4 and 5. Results are generally consistent across pre-specified subgroups, with the exception of patients with a history of TIA or stroke [see Contraindications (4.2)]. The treatment effect was driven primarily by a reduction in nonfatal MI. The effect in patients > 75 years of age was also somewhat smaller, and bleeding risk is higher in these individuals [see Adverse Reactions (6.1)]. See below for analyses of patients > 75 years of age with risk factors.

Figure 4: Subgroup analyses for time to first event of CV Death, MI, or Stroke (HR and 95% CI; TRITON-TIMI 38) – UA/NSTEMI Patients

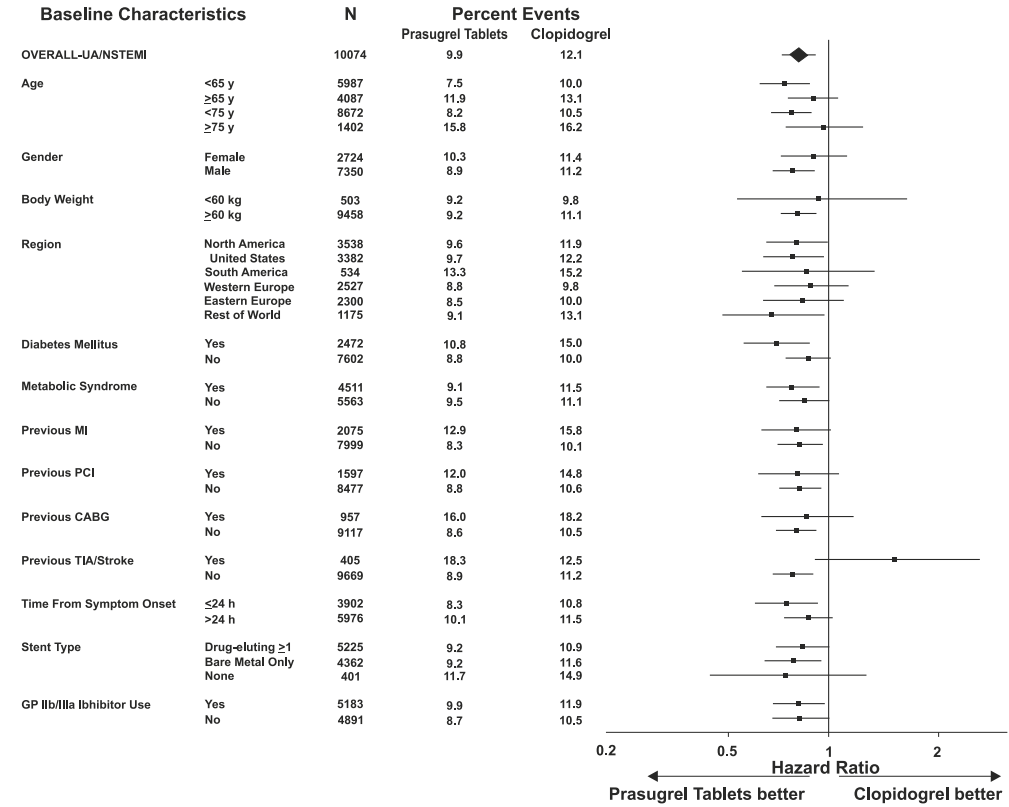
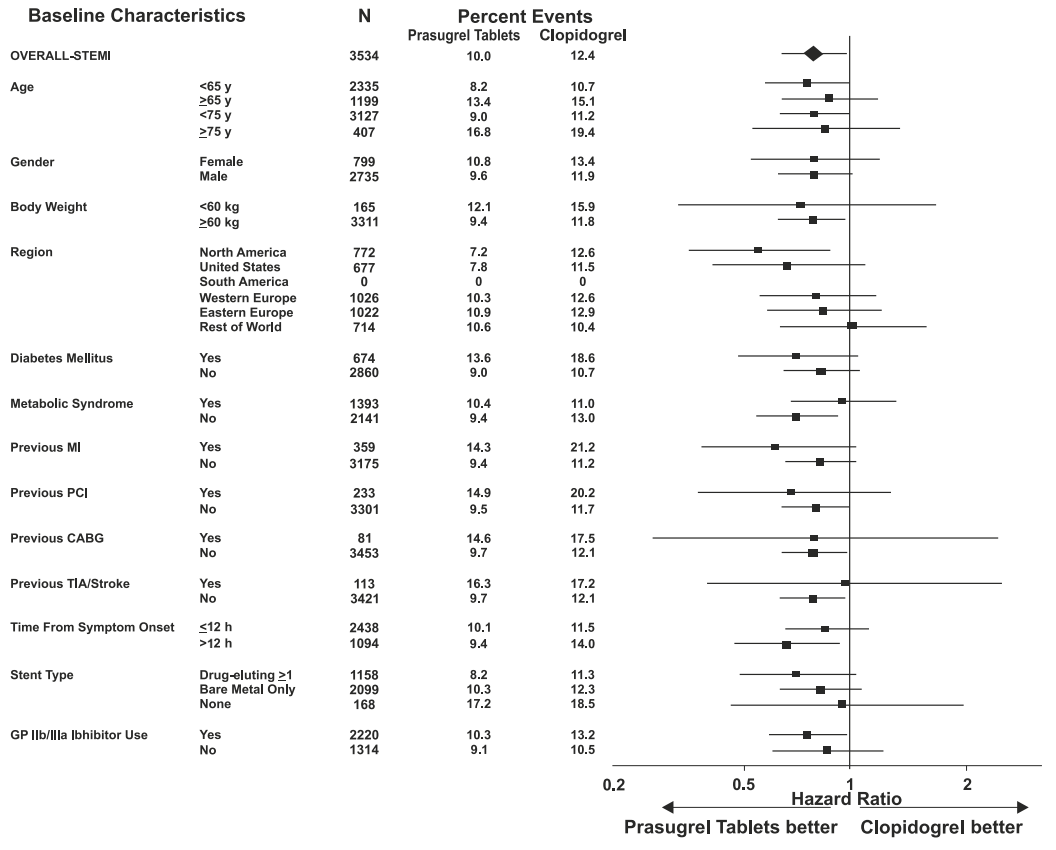


Figure 5: Subgroup analyses for time to first event of CV Death, MI, or Stroke (HR and 95% CI; TRITON-TIMI 38) – STEMI Patients



Prasugrel tablet are generally not recommended in patients ≥ 75 years of age, except in high-risk situations (diabetes mellitus or prior MI) where its effect appears to be greater and its use may be considered. These recommendations are based on subgroup analyses (see Table 6) and must be interpreted with caution, but the data suggest that Prasugrel tablets reduced ischemic events in such patients.

Table 6: Subgroup Analyses for Time to First Event of CV Death, MI, or Stroke: Patients < or ≥ 75 Years of Age, ± Diabetes, ± Prior History of MI, All ACS Patient Population

	Prasugrel tablets		Clopidogrel		Hazard Ratio (95% CI)
	N	% with events	N	% with events	
Age ≥ 75					
Diabetes - yes	249	14.9	234	21.8	0.64 (0.42, 0.97)
Diabetes - no	652	16.4	674	15.3	1.1 (0.83, 1.43)
Age < 75					
Diabetes - yes	1327	10.8	1336	14.8	0.72 (0.58, 0.89)
Diabetes - no	4585	7.8	4551	9.5	0.82 (0.71, 0.94)
Age ≥ 75					
Prior MI - yes	220	17.3	212	22.6	0.72 (0.47, 1.09)
Prior MI - no	681	15.6	696	15.2	1.05 (0.80, 1.37)
Age < 75					
Prior MI - yes	1006	12.2	996	15.4	0.78 (0.62, 0.99)
Prior MI - no	4906	7.7	4891	9.7	0.78 (0.68, 0.90)

There were 50% fewer severe thromboses (95% C.I. 32% - 64%; p<0.001) reported among patients randomized to Prasugrel tablets (0.9%) than among patients randomized to clopidogrel (1.8%). The difference manifested early and was maintained through one year of follow-up. Findings were similar with bare metal and drug-eluting stents.

In TRITON-TIMI 38, prasugrel reduced ischemic events (mainly nonfatal MIs) and increased bleeding events [see Adverse Reactions (6.1)] relative to clopidogrel. The findings are consistent with the intended greater inhibition of platelet aggregation by prasugrel at the doses used in the study [see Clinical Pharmacology (12.2)]. There is, however, an alternative explanation: both prasugrel and clopidogrel are prodrugs that must be metabolized to their active moieties. Whereas the pharmacokinetics of prasugrel's active metabolite is not known to be affected by genetic variations in CYP2B6, CYP2C9, CYP2C19, or CYP3A5, the pharmacokinetics of clopidogrel's active metabolite is affected by CYP2C19 genotype, and approximately 30% of Caucasians are reduced-metabolizers. Moreover, certain proton pump inhibitors, widely used in the ACS patient