

CLOPIDOGREL ASPRIN 75/75 mg PD

SCHEDULING STATUS [53]

1. NAME OF THE MEDICINE

CLOPIDOGREL ASPRIN 75/75 mg PD film coated tablets.

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each film coated tablet contains clopidogrel hydrogen sulphate equivalent to clopidogrel 75 mg, and acetylsalicylic acid (ASA) 75 mg (2 tablets).

Each tablet contains sugar – lactose monohydrate 2.80 mg and mannitol 64 mg (sugar alcohol). For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Film coated tablets.
Yellow coloured, oval shaped, film coated tablets debossed with “1” on one side and plain on the other side.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications
CLOPIDOGREL ASPRIN 75/75 mg PD is indicated for the reduction of atherothrombotic events in adult patients already taking both clopidogrel and acetylsalicylic acid (ASA).
CLOPIDOGREL ASPRIN 75/75 mg PD is a fixed-dose combination product for continuation of therapy in:

Acute Coronary Syndrome:
For patients with non-ST-segment elevation acute coronary syndrome (unstable angina/non-Q-wave myocardial infarction (MI)) including patients who are to be managed medically and those who are to be managed with percutaneous coronary intervention (with or without stents) or CABG (coronary artery bypass graft), clopidogrel in combination with ASA has been shown to decrease the rate of a combined endpoint of cardiovascular death, myocardial infarction, or stroke as well as the rate of a combined endpoint of cardiovascular death, MI, stroke, or refractory ischaemia.

For patients with ST-segment elevation acute myocardial infarction, clopidogrel in combination with ASA has been shown to reduce the rate of death from any cause and the rate of a combined endpoint of death, re-infarction or stroke.

4.2 Posology and method of administration

Posology
Acute Coronary Syndrome:
CLOPIDOGREL ASPRIN 75/75 mg PD should be given as a single daily dose (i.e. one tablet daily). CLOPIDOGREL ASPRIN 75/75 mg PD is contraindicated following an initial loading dose of CLOPIDOGREL ASPRIN 75/75 mg PD in combination with ASA.

In patients with non-ST segment elevation acute coronary syndrome (unstable angina or non-Q-wave myocardial infarction): The optimal duration of treatment has not been formally established. Clinical trial data support use up to 12 months, but the maximum benefit was seen at 3 months.

In patients with ST segment elevation acute myocardial infarction: Therapy should be started as early as possible after symptoms start and continued for at least 4 weeks. The benefit of the combination of clopidogrel with ASA beyond 4 weeks has not been studied in this setting. For patients older than 75 years of age therapy should be initiated without a loading dose of clopidogrel.

Special populations

Pharmacogenetics:
CYP2C19 poor metaboliser status is associated with diminished antiplatelet response to clopidogrel. An appropriate dose regimen for this patient population has not been established in clinical outcome trials.

Pediatric population

CLOPIDOGREL ASPRIN 75/75 mg PD is not indicated for use in children under the age of 18 years as safety and efficacy have not been established.

Method of administration

For oral use.
CLOPIDOGREL ASPRIN 75/75 mg PD may be given with or without food.

Missed dose:

Medical practitioners should advise patients who forget to take CLOPIDOGREL ASPRIN 75/75 mg PD to take a dose as soon as possible after the normal dose. Patients should not take a double dose to compensate for the missed dose.

4.3 Contraindications

- Due to the presence of clopidogrel and acetylsalicylic acid (aspirin) in the medicine, CLOPIDOGREL ASPRIN 75/75 mg PD is contraindicated in patients with:
- hypersensitivity to clopidogrel, acetylsalicylic acid or to any of the ingredients of CLOPIDOGREL ASPRIN 75/75 mg PD (see section 6.1)
 - active or history of pathological bleeding such as recurrent peptic ulcer/haemorrhage/perforations or intracranial haemorrhage
 - safety and efficacy in children below the age of 18 have not been established. ASA has been implicated in Reye's syndrome, a rare but severe illness in children and teenagers with chickenpox and influenza. A medical practitioner should be consulted before aspirin is used in these patients
 - safety and efficacy in pregnancy and lactation have not been established (see section 4.6)
 - severe hepatic impairment
 - thrombocytopenia and platelet dysfunction.

In addition, due to the presence of ASA, CLOPIDOGREL ASPRIN 75/75 mg PD is also contraindicated in:

- patients with hypersensitivity (allergy) to nonsteroidal anti-inflammatory drugs (NSAIDs) and syndrome of asthma, rhinitis, and nasal polyps. Patients with pre-existing mastocytosis, in whom the use of acetylsalicylic acid may induce severe hypersensitivity reactions (including circulatory shock with flushing, hypotension, tachycardia and vomiting)
- patients with severe renal impairment
- patients with heart failure
- patients with a history of gastrointestinal bleeding, ulceration or perforation (PUBs) related to previous NSAIDs
- pregnancy and lactation (see section 4.6).

4.4 Special warnings and precautions for use

THROMBOTIC THROMBOCYTOPENIC PURPURA (TTP) HAS BEEN REPORTED TO OCCUR WITH CLOPIDOGREL ASPRIN 75/75 mg PD DURING POST-MARKETING EXPERIENCE. MOST CASES WERE REPORTED IN THE FIRST TWO WEEKS OF TREATMENT. MEDICAL PRACTITIONERS SHOULD ALSO WARN PATIENTS ABOUT THE SIGNS AND SYMPTOMS OF THROMBOTIC THROMBOCYTOPENIC PURPURA. IT IS CHARACTERISED BY THROMBOCYTOPENIA, MICROANGIOPATHIC HEMOLYTIC ANAEMIA ASSOCIATED WITH EITHER NEUROLOGICAL, RENAL, DYSMETABOLIC OR FEVER. TTP IS A POTENTIALLY FATAL CONDITION REQUIRING PROMPT TREATMENT, INCLUDING PLASMAPHERESIS (PLA) EXCHANGE.

Recent transient ischaemic attack or stroke

In patients with recent transient ischaemic attack or stroke who are at high risk of recurrent ischaemic events, the combination of aspirin and clopidogrel has been shown to increase major bleeding.

Acquired haemophilia

Following use of clopidogrel, acquired haemophilia has been reported. In cases of confirmed isolated acquired partial prothrombin time (aPTT) prolongation with or without bleeding, acquired haemophilia should be considered. Patients with a confirmed diagnosis of acquired haemophilia should be managed and treated by specialists, and CLOPIDOGREL ASPRIN 75/75 mg PD should be discontinued.

Fluid retention and oedema

In view of the inherent potential of NSAIDs, including ASA, to cause fluid retention, heart failure may be precipitated in some compromised patients. As fluid retention and oedema have been reported in association with CLOPIDOGREL ASPRIN 75/75 mg PD therapy, caution is required in patients with a history of hypertension and/or heart failure.

Elderly

The elderly have an increased frequency of adverse reactions to NSAIDs, especially gastrointestinal bleeding, ulceration (PUBs) which may be fatal.

Due to the presence of ASA caution is required in the following:

- patients with a history of asthma or allergic disorders since there is an increased risk of hypersensitivity reactions
- patients with gout since low doses of ASA increase serum uric acid concentrations
- children: as there is an association between ASA and Reye's syndrome (a very rare disease which can be fatal) when ASA is given to children
- alcohol may increase the risk of gastrointestinal injury when taken with ASA. Alcohol should therefore be used with caution in patients taking CLOPIDOGREL ASPRIN 75/75 mg PD (see section 4.6). Patients should be counselled about the bleeding risks involved with chronic, heavy alcohol use while taking CLOPIDOGREL ASPRIN 75/75 mg PD
- in patients with glucose-6-phosphate dehydrogenase (G6PD) deficiency, CLOPIDOGREL ASPRIN 75/75 mg PD should be administered under close medical supervision due to the risk of haemolysis (see section 4.6)
- concomitant treatment with levodopa and salicylates, specifically at doses greater than 120 g/day, should be avoided (see section 4.6).

Bleeding and haematological disorders

CLOPIDOGREL ASPRIN 75/75 mg PD produces irreversible inhibition of platelet aggregation for the life of the platelet, which is 7 - 10 days.

Due to the risk of bleeding and haematological undesirable effects, blood cell count determination and/or other appropriate testing should be promptly considered whenever such suspected clinical symptoms arise during the course of treatment (see section 4.6). As there is a risk of bleeding intensity, concomitant administration of CLOPIDOGREL ASPRIN 75/75 mg PD with warfarin is not recommended (see section 4.5).

Caution is required when administering CLOPIDOGREL ASPRIN 75/75 mg PD to patients who may be at risk of increased bleeding from trauma, surgery or other pathological conditions associated with bleeding diathesis as well as in patients receiving treatment with other nonsteroidal anti-inflammatory medicines including COX-2 inhibitors, heparin, glycoprotein IIb/IIIa inhibitors, selective serotonin reuptake inhibitors (SSRIs), or CYP2C19 strong inducers, or thrombolytics (see section 4.6). Patients should be monitored continuously and carefully for any signs of bleeding (including occult bleeding) especially but not limited to during the first weeks of treatment and/or after invasive cardiac procedures or surgery.

CLOPIDOGREL ASPRIN 75/75 mg PD should be discontinued 7 days prior to surgery in those patients who are to undergo elective surgery where an antiplatelet effect is not desired. The concomitant administration of CLOPIDOGREL ASPRIN 75/75 mg PD with oral antiplatelet agents is not recommended since it may increase the intensity of bleeding (see section 4.5).

CLOPIDOGREL ASPRIN 75/75 mg PD prolongs bleeding time and should therefore be used with caution in patients who have lesions with a propensity to bleed (particularly gastrointestinal and intra ocular).

Spinal and epidural anaesthesia should not be administered to a patient taking CLOPIDOGREL ASPRIN 75/75 mg PD for 7 days thereafter. No lumbar puncture should be done during these 7 days due to the risk of haematoma formation following lumbar puncture or spinal and epidural anaesthesia.

Patients should be told that it may take longer than usual to stop bleeding whilst on CLOPIDOGREL ASPRIN 75/75 mg PD therapy, and that they should report any unusual bleeding (site or duration) for their medical practitioner.

Patients should inform medical practitioners and dentists that they are taking CLOPIDOGREL ASPRIN 75/75 mg PD before any surgery is scheduled and before any new medicine is taken.

Gastrointestinal

In patients with a history of gastrointestinal disease (GI) (e.g. ulcerative colitis, Crohn's disease, hiatus hernia, gastro-oesophageal reflux disease, angiodysplasia), peptic ulcer, gastrointestinal haemorrhage or minor upper gastrointestinal symptoms, CLOPIDOGREL ASPRIN 75/75 mg PD should be used with caution as the condition may be exacerbated or may be due to gastric ulceration which in turn may lead to gastric bleeding. In patients with a history of ulcers, and the elderly the risk of gastrointestinal bleeding, ulceration or perforation (PUBs) is higher with increasing doses of CLOPIDOGREL ASPRIN 75/75 mg PD. Should gastrointestinal bleeding, ulceration or perforation occur in patients receiving CLOPIDOGREL ASPRIN 75/75 mg PD, therapy should be stopped.

Gastrointestinal side effects including stomach pain, heartburn, nausea, vomiting, and GI bleeding may occur. Although minor upper GI symptoms (such as dyspepsia) are common and can occur anytime during therapy, medical practitioners should remain alert for signs of ulceration and bleeding, even in the absence of previous GI symptoms. Patients should be told about signs and symptoms of GI side effects and what steps to take if they occur.

In patients concomitantly receiving nicotinic acid and NSAIDs including acetylsalicylic acid (ASA) and lysine acetylsalicylate (LAS), there is an increased risk for severe complications such as gastrointestinal ulceration, perforation and haemorrhage (see section 4.5).

Skin reactions

Serious skin reactions, some of them fatal, including exfoliative dermatitis, Stevens-Johnson syndrome, and toxic epidermal necrolysis have been reported. CLOPIDOGREL ASPRIN 75/75 mg PD should be discontinued at the first appearance of skin rash, mucosal lesions, or any other sign of hypersensitivity.

Cyclochrom P450 2C19 (CYP2C19)

Pharmacogenetics:
In patients who are poor CYP2C19 metabolisers, clopidogrel at recommended doses forms less of the active metabolite of clopidogrel than in patients with normal CYP2C19 function. Poor metabolisers with acute coronary syndrome or undergoing percutaneous coronary intervention treated with clopidogrel at recommended doses may exhibit higher cardiovascular event rates than patients with normal CYP2C19 function.

Tests are available to identify a patient's CYP2C19 genotype; these tests can be used as an aid in determining therapeutic strategy (see section 5.2. Pharmacogenetics and section 4.2). Use of medicines that induce the activity of CYP2C19 would be expected to result in increased medicine levels of the active metabolite of clopidogrel and might potentiate the bleeding risk. As a precaution, concomitant use of strong CYP2C19 inducers should be discouraged (see section 4.5).

CYP2C8 substrates

Caution is required in patients treated concomitantly with clopidogrel and CYP2C8 substrate medicine products (see section 4.5).

Cross-reactivity among thienopyridines

As cross-reactivity among thienopyridines has been reported, patients should be evaluated for history of hypersensitivity to another thienopyridine (such as ticlopidine, prasugrel) (see section 4.6).

Thienopyridines may cause mild to severe allergic reactions such as rash, angioedema, or haematological reactions such as thrombocytopenia and neutropenia. Patients who have developed a previous allergic reaction and/or haematological reaction to one thienopyridine may have an increased risk of developing the same or another reaction to another thienopyridine. Monitoring for cross-reactivity is advised.

Hepatic impairment

CLOPIDOGREL ASPRIN 75/75 mg PD is contraindicated in patients with severe hepatic impairment (see section 4.3).
Caution is advised in patients with mild to moderate hepatic impairment.
Therapeutic experience is limited in patients with moderate hepatic disease who may have bleeding diathesis. Therefore CLOPIDOGREL ASPRIN 75/75 mg PD should be used with caution in this population.

Renal impairment

CLOPIDOGREL ASPRIN 75/75 mg PD is contraindicated in patients with severe renal impairment (see section 4.3).
Therapeutic experience with CLOPIDOGREL ASPRIN 75/75 mg PD is limited in patients with mild to moderate renal impairment.

CLOPIDOGREL ASPRIN 75/75 mg PD should therefore be used with caution in this population.

Excipients with known effect:
CLOPIDOGREL ASPRIN 75/75 mg PD contains lactose. Patients with the rare hereditary conditions of galactose intolerance, total lactase deficiency or glucose-galactose maldigestion should not take CLOPIDOGREL ASPRIN 75/75 mg PD.
CLOPIDOGREL ASPRIN 75/75 mg PD contains hydrogenated castor oil which may cause stomach upset and diarrhoea.

4.5 Interaction with other medicines and other forms of interaction

There are no studies on the concomitant use of clopidogrel and acetylsalicylic acid with other medicines. The information below was obtained with clopidogrel or ASA alone. Safety of concomitant administration of medicines associated with bleeding risk should be undertaken with caution (see section 4.4).

Medicines associated with bleeding risk:
There is an increased risk of bleeding due to the potential additive effect. The concomitant administration of medicines associated with bleeding risk should be undertaken with caution (see section 4.4).

Nicotinic acid

In patients concomitantly receiving nicotinic acid and NSAIDs including acetylsalicylic acid (ASA) and lysine acetylsalicylate (LAS), there is an increased risk for severe complications such as gastrointestinal ulceration, perforation and haemorrhage (see section 4.5).

Injectable anticoagulants

In healthy subjects, clopidogrel did not necessitate modification of the heparin dose or alter the onset of heparin coagulation. Co-administration of heparin had no effect on the inhibition of platelet aggregation induced by clopidogrel, however, as a pharmacodynamic interaction between CLOPIDOGREL ASPRIN 75/75 mg PD and heparin is possible, concomitant use should be undertaken with caution.

Thrombolytics

The safety of the concomitant administration of clopidogrel, fibrin or non-fibrin specific thrombolytic agents and heparins was assessed in patients with acute myocardial infarction with the incidence of clinically significant bleeding being similar to that as observed when thrombolytic medicines and heparins are co-administered with acetylsalicylic acid. However, the concomitant use of CLOPIDOGREL ASPRIN 75/75 mg PD with thrombolytic medicines should be undertaken with caution.

Oral anticoagulants

Concomitant administration of warfarin with CLOPIDOGREL ASPRIN 75/75 mg PD is not recommended due to the increased risk of bleeding (see section 4.4).

Glycoprotein IIb/IIIa inhibitors

CLOPIDOGREL ASPRIN 75/75 mg PD should be used with caution in patients who may be at risk of increased bleeding from trauma, surgery or other pathological conditions and who are also concomitant glycoprotein IIb/IIIa inhibitors.

Nonsteroidal anti-inflammatory drugs (NSAIDs)

In healthy volunteers, the concomitant administration of clopidogrel and naproxen increased gastric gastrointestinal blood loss. Consequently, the concomitant use of NSAIDs, including COX-2 inhibitors, is not recommended with CLOPIDOGREL ASPRIN 75/75 mg PD (see section 4.4).

When they are dose concomitantly, experimental data suggests that ibuprofen may inhibit the effect of clopidogrel on platelet aggregation (see section 5.1). However, the limitations of these data and the uncertainties regarding extrapolation of *in vivo* data to the clinical situation imply that no firm conclusions can be made for regular ibuprofen use, and no clinically relevant effect is considered to be likely for occasional ibuprofen use.

Selective serotonin reuptake inhibitors (SSRIs)

The concomitant administration of SSRIs with clopidogrel should be undertaken with caution as SSRIs affect platelet activation and increase the risk of bleeding.

Other concomitant therapy with CLOPIDOGREL ASPRIN 75/75 mg PD:
Inducers of CYP2C19
Since clopidogrel is metabolised to its active metabolite partly by CYP2C19, use of medicines that induce the activity of this enzyme would be expected to result in increased medicine levels of the active metabolite of clopidogrel.

Rifampicin strongly induces CYP2C19, resulting in both an increased level of clopidogrel active metabolite and platelet inhibition, which in particular might potentiate the risk of bleeding. Concomitant use of rifampicin, concomitant use of strong CYP2C19 inducers should be discouraged (see section 4.4 and section 5.2. Pharmacogenetics). If a proton pump inhibitor is to be used concomitantly with CLOPIDOGREL ASPRIN 75/75 mg PD, consider using one with less CYP2C19 inhibitory activity.

Inhibitors of CYP2C19

Concomitant administration of inhibitors to its active metabolite partly by CYP2C19, use of medicine that inhibit the activity of this enzyme would be expected to result in reduced medicine levels of the active metabolite of clopidogrel and a reduction in clinical efficacy. Concomitant use of strong or moderate CYP2C19 inhibitors (e.g., omeprazole and esomeprazole) should be discouraged (see section 4.4 and section 5.2. Pharmacogenetics). If a proton pump inhibitor is to be used concomitantly with CLOPIDOGREL ASPRIN 75/75 mg PD, consider using one with less CYP2C19 inhibitory activity.

Other medicinal products

No clinically significant pharmacodynamic interactions were observed when clopidogrel was co-administered with atorvastatin, nifedipine, or both atorvastatin and nifedipine. The pharmacodynamic activity of clopidogrel was not significantly influenced by the co-administration of phenobarbital or estrogens.

The pharmacokinetics of digoxin or theophylline were not modified by the co-administration of clopidogrel. Antacids did not modify the extent of clopidogrel absorption.

Data from studies with human liver microsomes indicated that CLOPIDOGREL ASPRIN 75/75 mg PD could inhibit the activity of one of the Cytochrome P450 (CYP) enzymes (CYP2C8). This could potentially lead to increased plasma levels of medicines such as phenytoin, tubufamide, tenoxicam, fentanyl, flunitrazepam and NSAIDs which are metabolised by CYP2C8. Data indicates that phenytoin and tubufamide can be safely co-administered with clopidogrel.

CYP2C8 substrate medicines

Caution is required in patients treated concomitantly with clopidogrel and CYP2C8 substrate medicines. *In vitro* studies have shown an increase in rapinagrelle exposure is due to inhibition of CYP2C8 by the glucuronide metabolite of clopidogrel. Due to the risk of increased plasma concentrations, concomitant administration of clopidogrel and medicines primarily cleared by CYP2C8 metabolism (e.g., rapinagrelle, pacitane) should be undertaken with caution.

Resauvastatin

Clopidogrel has been shown to increase resauvastatin exposure in patients by 1.4-fold (AUC) without effect on C_{max}, after repeated administration of a 75 mg clopidogrel tablet.

Other concomitant therapy with ASA

Interactions with the following medicine products have been reported with ASA:

Uricosurics

Caution is required because ASA may inhibit the effect of uricosuric agents through competitive inhibition of uric acid.

Methotrexate

Due to the presence of ASA, methotrexate used at doses higher than 20 mg/week should be used with caution with CLOPIDOGREL ASPRIN 75/75 mg PD as it can inhibit renal clearance of methotrexate, which may lead to bone marrow toxicity.

Metanizol

Metanizol may reduce the effect of ASA on platelet aggregation when taken concomitantly. Therefore, this combination should be used with caution in patients taking low-dose ASA for cardio-protection.

NSAIDs

Use of two or more NSAIDs concomitantly could result in an increase in side effects.

Corticosteroids

Increased risk of gastrointestinal perforation, ulceration or bleeding (PUBs).

Selective serotonin reuptake inhibitors (SSRIs)

Increased risk of gastrointestinal bleeding.

Acetazolamide

Due to the increased risk of metabolic acidosis, caution is recommended when co-administering salicylates with acetazolamide.

Varicella zoster

Cases of Reye's syndrome have occurred following the use of salicylates during varicella infection. Therefore, caution should be used when giving salicylates for an interval of six weeks after receiving the varicella vaccine. (see section 4.4).

Levodopa

Therapeutic blood levels should be monitored as salicylates, specifically at doses greater than 2.0 g/day, may inhibit binding of thyroid hormones to carrier proteins and thereby lead to an increase in free thyroid hormones.

Valproic acid

The concurrent administration of salicylates and valproic acid may result in decreased valproic acid protein binding and inhibition of valproic acid metabolism resulting in increased serum levels of total and free valproic acid.

Tenoforvir

Concomitant administration of tenoforvir disoproxil fumarate and NSAIDs may increase the risk of renal failure.

Other interactions with ASA

Interactions with the following medicinal products with higher (anti-inflammatory) doses of ASA have also been reported: angiotensin converting enzyme (ACE) inhibitors, acetazolamide, anticonvulsants phenytoin and valproic acid, beta blockers, diuretics, and oral hypoglycaemic medicines.

Alcohol

Alcohol, when taken with ASA, may increase the risk of gastrointestinal injury. Therefore, alcohol should be used with caution in patients taking CLOPIDOGREL ASPRIN 75/75 mg PD (see section 4.4).

Other interactions with CLOPIDOGREL ASPRIN 75/75 mg PD

More than 30 000 patients who entered into clinical trials with clopidogrel and ASA, at maintenance doses lower than or equal to 325 mg, received a variety of concomitant medications including diuretics, beta blockers, ACE inhibitors, calcium antagonists, cholesterol lowering medicines, coronary vasodilators, antiarrhythmic medicines (including insulin), antiepileptic agents and GIIb/IIIa antagonists without evidence of clinically significant adverse interactions.

Apart from the specific medicine interaction information described above, interaction studies with CLOPIDOGREL ASPRIN 75/75 mg PD and some medicines commonly administered in patients with atherothrombotic disease have not been performed.

Opioid agonists

Co-administration of opioid agonists have the potential to delay and reduce the absorption of an oral P2Y12 inhibitor such as clopidogrel, presumably because of slowed gastric emptying. The clinical relevance is unknown. Consider the use of a parenteral antiplatelet medicines in acute coronary syndrome patients requiring co-administration of morphine or other opioid agonists.

4.6 Fertility, pregnancy and lactation

Pregnancy:
CLOPIDOGREL ASPRIN 75/75 mg PD is contraindicated during pregnancy (see section 4.3).

Breastfeeding

Studies in rats have shown that clopidogrel and/or its metabolites are excreted in the milk. It is not known whether clopidogrel is excreted in human breast milk. ASA is known to be excreted in human breast milk.

CLOPIDOGREL ASPRIN 75/75 mg PD is contraindicated whilst breastfeeding (see section 4.3).

Fertility

There are no fertility data with clopidogrel/acetylsalicylic acid.

4.7 Effects on ability to drive and use machines

CLOPIDOGREL ASPRIN 75/75 mg PD has no or negligible influence on the ability to drive and use machines.

4.8 Undesirable effects

Summary of the safety profile
Bleeding is the most common reaction reported both in clinical studies where frequencies varied from common to very common, as well as in post-marketing experience.

Tabulated summary of adverse reactions: CLOPIDOGREL ASPRIN 75/75 mg PD

The frequencies of adverse events are ranked according to the following:
Frequent = (≥ 1/100 to < 1/10),
Less frequent = infrequent (≥ 1/1 000 to < 1/100); Rare (≥ 1/10 000 to < 1/1 000); Very rare (< 1/10 000).
Frequency not known = cannot be estimated from the available data.

System organ class	Frequency	Side effects
Blood and lymphatic system disorders	Less frequent	Thrombocytopenia (sometimes severe), increased bleeding time, leucopenia, eosinophilia, neutropenia (sometimes severe), platelets decreased, aplastic anaemia*
	Frequency unknown	Bleeding*
Nervous system disorders	Less frequent	Intracranial bleeding, headache, dizziness, paraesthesia
Eye disorders	Less frequent	Eye bleeding (mainly conjunctival), ocular, retinal
Ear and labyrinth disorders	Less frequent	Vertigo
Vascular disorders	Frequent	Haematoma
Respiratory, thoracic and mediastinal disorders	Frequent	Epistaxis
Gastrointestinal disorders	Frequent	Dyspepsia, abdominal pain, diarrhoea, gastroenteric/haemorrhagic, nausea, gastric, flatulence, constipation, vomiting, gastric ulcer, duodenal ulcer
	Less frequent	
Skin and subcutaneous tissue disorders	Frequent	Brusings
	Less frequent	Rash, pruritus, purpura
Renal and urinary disorders	Less frequent	Haematuria
General disorders and administrative site conditions	Frequent	Bleeding at the puncture site

*Post marketing events.

Tabulated summary of adverse reactions: CLOPIDOGREL

System organ class	Frequency	Side effects
Blood and lymphatic system disorders	Frequency unknown	Serious cases of bleeding, mainly skin, musculoskeletal (haemarthrosis), eye (conjunctival), ocular, retinal and respiratory tract bleeding (haemoptysis, pulmonary haemorrhage), epistaxis, haematoma and haemorrhage of operative wound, cases of bleeding with fatal outcome (especially intracranial, gastrointestinal and retroperitoneal haemorrhage), acquired haemophilia A, serious haemorrhage in patients taking CLOPIDOGREL ASPRIN 75/75 mg PD or without heparin, thrombotic thrombocytopenic purpura (TTP), aplastic anaemia/thrombocytopenia, agranulocytosis, severe thrombocytopenia, granulocytopenia, anaemia
Immune system disorders	Frequency unknown	Anaphylactoid reactions, serum sickness, cross-reactive medicine hypersensitivity among thienopyridines, allergic rhinitis or pruritus, insulin autoimmune syndrome, which can lead to severe hypoglycaemia, particularly in patients with HLA-DRA subtype more frequent in the Japanese population
Cardiac disorders	Frequency unknown	Kounis syndrome (vasospastic allergic anginal/allergic myocardial infarction) in the context of a hypersensitivity reaction due to clopidogrel
Psychiatric disorders	Frequency unknown	Confusion,

