

GASTASID

(Pantoprazole)

Enteric Coated Tablets
20 mg
40 mg

گیسٹاسید
۲۰ ملی گرام
۴۰ ملی گرام

GASTASID (Pantoprazole tablets, USP)

CLINICAL PARTICULARS

Therapeutic Indications

- GASTASID is a proton pump inhibitor (PPI) indicated for the following:
- **Short-Term Treatment of Erosive Esophagitis Associated With Gastroesophageal Reflux Disease (GERD)**
GASTASID is indicated in adults and pediatric patients five years of age and older for the short-term treatment (up to 8 weeks) in the healing and symptomatic relief of erosive esophagitis. For those adult patients who have not healed after 8 weeks of treatment, an additional 8-week course of GASTASID may be considered. Safety of treatment beyond 8 weeks in pediatric patients has not been established.
 - **Maintenance of Healing of Erosive Esophagitis**
GASTASID is indicated for maintenance of healing of erosive esophagitis and reduction in relapse rates of daytime and night time heartburn symptoms in adult patients with GERD. Controlled studies did not extend beyond 12 months.
 - **Pathological Hypersecretory Conditions Including Zollinger-Ellison Syndrome**
GASTASID is indicated for the long-term treatment of pathological hypersecretory conditions, including Zollinger-Ellison syndrome.
 - GASTASID is indicated for eradication of Helicobacter pylori (H. pylori) in combination with appropriate antibiotic therapy in patients with H. pylori associated ulcers.
 - GASTASID is indicated for gastric and duodenal ulcer.

DOSAGE AND ADMINISTRATION

Recommended Dosing Schedule for GASTASID

Indication	Dose & Frequency
Short-Term Treatment of Erosive Esophagitis Associated with GERD	
Adults	40 mg once daily for up to 8 weeks*
Children (5 years and older)	40 mg
≤ 15 kg to < 40 kg	20 mg once daily for up to 8 weeks
≥ 40 kg	40 mg
Maintenance of Healing of Erosive Esophagitis	
Adults	40 mg once daily***
Pathological Hypersecretory Conditions including Zollinger-Ellison Syndrome	
Adults	40 mg twice daily**
Eradication of H. pylori in combination with two appropriate antibiotics	
Adults	Depending upon the resistance pattern, the following combinations can be recommended for the eradication of H. pylori: a) Twice daily 40mg Pantoprazole + twice daily 1000 mg amoxicillin + twice daily 500 mg clarithromycin b) Twice daily 40mg Pantoprazole + twice daily 400 - 500 mg metronidazole (or 500 mg tinidazole) + twice daily 250 - 500 mg clarithromycin c) Twice daily 40mg Pantoprazole + twice daily 1000 mg amoxicillin + twice daily 400 - 500 mg metronidazole (or 500 mg tinidazole)
Treatment of gastric ulcer	
Adults	40mg Pantoprazole per day. In individual cases the dose may be doubled (increase to 2 tablets of Pantoprazole daily) especially when there has been no response to other treatment. A 4-week period is usually required for the treatment of gastric ulcers. If this is not sufficient, healing will usually be achieved within a further 4 weeks.
Treatment of duodenal ulcer	
Adults	40mg Pantoprazole per day. In individual cases the dose may be doubled (increase to 2 tablets of Pantoprazole daily) especially when there has been no response to other treatment. A duodenal ulcer generally heals within 2 weeks. If a 2-week period of treatment is not sufficient, healing will be achieved in almost all cases within a further 2 weeks.

* For adult patients who have not healed after 8 weeks of treatment, an additional 8-week course of GASTASID may be considered.
** Dosage regimens should be adjusted to individual patient needs and should continue for as long as clinically indicated. Doses up to 240 mg daily have been administered.
*** Controlled studies did not extend beyond 12 months

Hepatic impairment

A daily dose of 20 mg pantoprazole should not be exceeded in patients with severe liver impairment.

Renal impairment

No dose adjustment is necessary in patients with impaired renal function.

Elderly

No dose adjustment is necessary in elderly patients.

Paediatric population

Pantoprazole is indicated for the short term treatment of EE associated with GERD for patients 5 years and older. The safety and effectiveness of Pantoprazole for pediatric uses other than EE have not been established.

Method of administration

The tablets should be swallowed whole 1 hour before a meal with some water.

CONTRAINDICATIONS

Hypersensitivity to the active substance, substituted benzimidazoles, or to any of the excipients.

WARNINGS AND PRECAUTIONS

Hepatic impairment

In patients with severe liver impairment, the liver enzymes should be monitored regularly during treatment with pantoprazole, particularly on long-term use. In the case of a rise of the liver enzymes, the treatment should be discontinued.

Combination therapy

In the case of combination therapy, the SMPCs of the respective medicinal products should be observed.

Gastric malignancy

Symptomatic response to pantoprazole may mask the symptoms of gastric malignancy and may delay diagnosis. In the presence of any alarm symptom (e.g. significant unintentional weight loss, recurrent vomiting, dysphagia, haematemesis, anaemia or melaena) and when gastric ulcer is suspected or present, malignancy should be excluded.

Co-administration with HIV protease inhibitors

Co-administration of pantoprazole is not recommended with HIV protease inhibitors such as atazanavir.

Influence on vitamin B12 absorption

In patients with Zollinger-Ellison syndrome and other pathological hypersecretory conditions requiring long-term treatment, pantoprazole, as all acid-blocking medicines, may reduce the absorption of vitamin B12 (cyanocobalamin) due to hypochlorhydria.

Long term treatment

In long-term treatment, especially when exceeding a treatment period of 1 year, patients should be kept under regular surveillance.

Gastrointestinal infections caused by bacteria

Treatment with Pantoprazole may lead to a slightly increased risk of gastrointestinal infections caused by bacteria such as Salmonella and Campylobacter or C. difficile. Pantoprazole, like all PPIs might increase the counts of bacteria normally present in the upper GIT.

Hypomagnesaemia

Severe hypomagnesaemia has been reported in patients treated with PPIs like pantoprazole for at least three months, and in most cases for a year. For patients expected to be on prolonged treatment or who take PPIs with diuretics or medicinal products that may cause hypomagnesaemia (e.g., diuretics), HCPs should consider measuring magnesium levels before starting PPI treatment and periodically during treatment.

Bone fractures

PPIs especially if used in high doses and over long durations (>1 year), may modestly increase the risk of hip, wrist and spine fracture, predominantly in the elderly or in presence of other recognised risk factors. Patients at risk of osteoporosis should receive care according to current clinical guidelines and they should have an adequate intake of vitamin D and calcium.

Subacute cutaneous lupus erythematosus (SCLÉ)

PPIs are associated with very infrequent cases of SCLÉ. If lesions occur, the patient should seek medical help promptly and the HCPs should consider stopping Pantoprazole.

Interference with laboratory tests

Increased Chromogranin A (CgA) level may interfere with investigations for neuroendocrine tumours. To avoid this interference, Pantoprazole treatment should be stopped for at least 5 days before CgA measurements.

INTERACTIONS

Medicinal products with pH-dependent absorption pharmacokinetics

Pantoprazole may interfere with the absorption of other medicinal products where gastric pH is an important determinant of oral availability, e.g. some azole antifungals such as ketoconazole, itraconazole, posaconazole and other medicine such as erlotinib.

HIV protease inhibitors

Co-administration of pantoprazole is not recommended with HIV protease inhibitors such as atazanavir due to significant reduction in their bioavailability. If the combination of HIV protease inhibitors with a PPI is unavoidable, close clinical monitoring (e.g. virus load) is recommended. A pantoprazole dose of 20 mg per day should not be exceeded.

Coumarin anticoagulants (phenprocoumon or warfarin)

There have been reports of increased INR and prothrombin time in patients receiving PPIs and warfarin or phenprocoumon concomitantly. Patients treated with pantoprazole and warfarin or phenprocoumon may need to be monitored for increase in INR and prothrombin time.

Methotrexate

In settings where PPIs are used concomitantly with high-dose methotrexate is used, for example cancer and psoriasis, a temporary withdrawal of pantoprazole may need to be considered due to increase methotrexate levels in some patients.

Other interactions studies

Pantoprazole is extensively metabolized in the liver via the cytochrome P450 enzyme system. The main metabolic pathway is demethylation by CYP2C19 and other metabolic pathways include oxidation by CYP3A4. An interaction of pantoprazole with other medicinal products or compounds, which are metabolized using the same enzyme system, cannot be excluded.

There were no interactions with concomitantly administered antacids.

Interaction studies have also been performed by concomitantly administering pantoprazole with the respective antibiotics (clarithromycin, metronidazole, amoxicillin). No clinically relevant interactions were found.

Medicinal products that inhibit or induce CYP2C19. Inhibitors of CYP2C19 such as fluvoxamine could increase the systemic exposure of pantoprazole. A dose reduction may be considered for patients treated long-term with high doses of pantoprazole, or those with hepatic impairment.

180mm

Deputy Manager Q.O. _____

Controller Medical Affairs _____

Controller RA & NPD _____

Director Marketing & Sales _____

Sr. Manager Technical _____

Head of Quality operation _____

Product Manager _____

Managing Director _____

Business Unit Head _____

Responsibilities: _____

Sr. Manager Medical Affairs _____

QA & QC: Regulatory aspects e.g., layout of artwork, composition, Reg. no, Mfg. Lic. no & spec, instructions, size etc
R.A.: Verification of all regulatory aspects
Marketing: Design, color scheme, pack size, strength, dosage, Medical text (leaflet)
Medical: Dosage, Medical text (leaflet)

