Pantoprazole Tablets IP

OWNPAN[™]**40** ओनपैन -४०

COMPOSITION
Each enteric coated tablet contains:
Pantoprazole Sodium IP
eq. to Pantoprazole 40 mg
Colours: Yellow Oxide of Iron &
Titanium Dioxide IP

PHARMACEUTICAL FORM Enteric Coated Tablet.

astric ulcer, duodenal ulcer & Gastroesophageal reflux disease (GERD).

DOSAGE AND ADMINISTRATION
The recommended adult dosage of Pantoprazole is 1 tablet (40mg) once daily or as directed by Method of administration: For oral administration only.
The tablets should not be chewed or crushed, and should be swallowed whole 1 hour before a m

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

SPECIAL WARNINGS AND PRECAUTIONS FOR USE
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.

Combination therapy: In the case of combination therapy, the summaries of product characteristics of the respective medicinal products should be observed.

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DRUG INTERACTION

Medicinal products with pH-dependent absorption pharmacokinetics: Because of profound and long lasting inhibition of gastric acid secretion, 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 Erfotinis.

HIV protease inhibitors: Co-administration of Pantoprazole is not recommended with HIV Protease inhibitors for which absorption is dependent on acidic intragastric pH such as Alazanavir due to significant reduction in their bioavailability. If the combination of HIV Protease inhibitors with a Proton Pump Inhibitor is judged unavoidable, close clinical monitoring (e.g. virus load) is recommended. A Pantoprazole dose of 20mg per day should not be exceeded. Dosage of the HIV Protease inhibitors means the advantage of the HIV Protease.

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Coumarin articoagularitis (Phenprocoumon or Warfarin): Co-administration of Pantoprazole with Warfarin or Phenprocoumon did not affect the pharmacokinetics of Warfarin, Phenprocoumon or INR. However, there have been reports of increased INR and prothrombin time in platents receiving PPIs and Warfarin or Phenprocoumon concomitantly, Increases in INR and Prothrombin time may lead to abnormable beding, and even death.

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Solven and the Concomitant use of high dose Methodrocate (e.g. 200mg) and Prothrombin has been reported to increase Methotrexate levels in some bedients. Therefore in settings where high-dose Methotrexate is used, for example Cancer and Poortaiss, a temporary withdrawal of Pantoprazole may need to be considered.

ared. Interactions studies: Pantoprazole is extensively metabolized in the liver via the Cytochrome P450 enzyme system. The main metabolic pathway is inplation by CYP2C19 and other metabolic pathways include oxidation by CYP3A4. Interaction studies with medicinal products also metabolized with these yea, like Carbamazepine, Diazepam, Glibendamide, Nifedipine, and an oral contraceptive containing levenorgestrel and ethinyl oestradiol, did not reveal

pathways, like Carbamazepine, Diazepam, Gilbenclamine, niredpine, and an user curitacepure contenting occuring to consider the calcino.

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.

Enzyme inducers affecting CYP2C19 and CYP3A4 such as Rifampicin and St John's wort (Hypericum perforatum) may reduce the plasma concentrations of PPIs that are metabolized through these enzyme systems.

Elderly: No dose adjustment is necessary in older people. Aslight increase in AUC and Cmax in elderly volunteers compared with younger counterparts is also not clinically relevant.

Paediatric population: Following administration of single oral doses of 20 or 40mg Pantoprazole to children aged 5-16 years AUC and Cmax were in the range of corresponding values in adults. AUC and volume of distribution were in accordance with data from adults. Pantoprazole is not recommended for use in children below 12 years of age because of limited data on safety and efficacy in the age group.

Patients with Hepatic Impairment: In patients with Severe Liver impairment, the Liver enzymes should be monitored regularly during treatment with Pantoprazole, particularly on long-termuse. In the case of a rise of the Liver enzymes, the treatment should be discontinued.

Patients with Renal Impairment: No dose reduction is recommended when Partitoprazole is administered to patients with Impaired Renal Function (including dialysis patients). Pantoprazole must not be used in combination treatment for these patients on the efficacy and safety of Partitoprazole in combination treatment for these patients.

In patients with Renal Impairment and incompared in combination treatment for these patients.

Partitoprazole Animal Studies have shown reproductive toxicity, As a precautionary measure, it is preferable to avoid the use of Pantoprazole during Pregnancy.

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EFFECTS ON ABILITY TO DRIVE AND USE MACHINES
Pantoprazole has no or negligible influence on the ability to drive and use ma
affected, patients should not drive or operate machines.

UNDESIRABLE EFFECTS/ADVERSE DRUG REACTION
Proton Pump Inhibitors Associated Acute Kidney Injury: Acute Kidney Injury has been reported with the use of Proton Pump inhibitors (PPIs) including Pantoprazole, Omeprazole, Lansoprazole, Esoneprazole, Rabeprazole etc.
The most frequently occurring adverse reactions, occurring at a rate of > 2%, in patients on Oral Pantoprazole (20mg or 40 mg) were Headache, Diarrhea, Nausea, Abdominal Pain, Vomitting Faltatulence, Dizziness and Arthralgia, Additional adverse reaction that were reported for Pantoprazole with a frequency of <2% were Allergic reaction, Pyrexia, Photosensitivity reaction, Facial Edema, Constipation, Dry mouth Hepatitis, leucopenia, thrombocytopenia, elevated CK (creatine kinese) generalized edema, elevated driglycerides, Elevated Liver Enzymes, Myalgia, Depression, Vertigo, Urticaria, Rash Pruitius and Barsh Pruitius a

edema, elevated triglycenides, Elevated Liver Enzymes, Myalgia, Depression, Vertigo, Urticaria, Rash Pruitus and Blurred vision, In patients ages I year through 16 years, the most commonly reproted (24%) adverse reactions included URI, Header, Fever, Diarrhea, Vomiting, Rash and Abdominal Pain.

Additional adverse reactions reported for Pantoprazole in Pediatric patients with frequency of < 4% were Allergic Reaction, Facial edema, Constipation, Flatulence, Nausea, Elevated Triglycerides, Elevated Liver enzymes, Elevated CK (Creatine kinase), Arthralgia, Myalgia, Disziriess, Vertigo and Urticaria.

Adverse reactions not reported in pediatric patients but are considered relevant to Pediatric patients are photosensively reaction Dry mouth, Hepatitis, Thrombocytopenia, Generalized Edema, Depression, Pruritus, Leucopenia and Blurred Vision.

Adverse reactions identified during post approval use of Partoprazole were Asthenia, Fatigue, Malaise, Pancytopenia, Agranulocytosis, Anaphylaxis (Including Anaphylactic shock), Cisstidium Difficile Associated Diarrhea, Weight changes, Hyponatremia, Hypomagnesemia, Severe Dematologic reactions (some fatal), including Erythema Multimore, Stevens-Aohnsons Syndrome, and Toxic Expleriman Nervolysis (TEN, some fatal), and Anaphylacedema (Quincke's edema), Rhabdomynoyisis, Bone fracture, Ageusia, Dysgeusiaa Intersitial Nephritis, Hepatocellular damage leading to Jaundice and Hepatic Failure, Hallucination and Confusion, Insomnia and Somnolence.

OVERDOSE

There are no known symptoms of overdose in man. Systemic exposure with up to 240mg administered intravenously over 2 minutes, were well tolerated. As Pantoprazole is extensively protein bound, it is not readily dialysable. The symptoms of acute toxicity were Hypoactivity, Ataxia, Hunched sitting, Limb-splay, Lateral position, Segregation, absence of Ear Reflex and Tremor. In the case of an overdose with clinical signs of intoxication, apart from symptomatic and supportive treatment, no specific therapeutic recommendations can be made.

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PHARMACOLOGICAL PROPERTIES

Pharmacotherapeutic group: Proton Pump Inhibitors.

Pharmacotherapeutic group: Proton Pump Inhibitor (PPI). This drug acts to decrease gastric acid secretion, which reduces Stomach Acidity. Pantoprazole administration leads to long-lasting inhibition of gastric acid secretion. Hydrochloric acid (HCI) secretion into the gastric lumen is a process regulated mainly by the H(+)K(+)-ATPase of the proton pump, expressed in high quantities by the parietal cells of the stomach. ATPase is an enzyme on the parietal cell membrane that facilitates Hydrogen and Potassium exchange through the cell, which normally results in the extrusion of Potassium and formation PGIC (gastric acid of the parietal cell before being converted in the canalized (ismall canal) of the gastric parietal cell, an acidic environment, to active Sulfenamide devitives. This active form then makes disulfide bonds with important Cysteines on the gastric acid pump, inhibiting its function. Specifically, Pantoprazole binds to the Sulfhydryl group of H+, K+-ATPase, which is an enzyme implicated in accelerating the final step in the acid secretion pathway. The enzyme is inactivated, inhibiting gastric acid secretion pathway. The enzyme is inactivated, inhibiting gastric acid secretion is stronger with Proton Pump Inhibitors such as Pantoprazole and lasts longer than with the H(2) Antagonists.

e of distribution is about 0.15 l/kg

Pantoprazole's serum protein binding is about 95%. Volunie of unsubstance is almost exclusively metabolized in the Liver. The main metabolic pathway is demethylation by CYP2C19 with subsequent sulphate conjugation; of metabolic pathway includes oxidation by CYP3A4.

Excretion

Renal elimination represents the major route of excretion (about 80%) for the metabolities of Pantoprazole, the rest is excreted with the faeces.

INCOMPATIBILITY

STORAGE INSTRUCTIONS
Store protected from moisture, at a temperature not exceeding 30°C.
Tablet should be swallowed whole and not to be chewed or crushed.
Keep out of reach of children.

Manufactured by : Pure & Cure Healthcare Pvt. Ltd. (A subsidiary of **Akums Druss & Pharmaceuticals Ltd.**) Plot No. 26A, 27-30, Sector-8A, I.I.E., SIDCUL, Ranipur, Haridwar-249 403, Uttarakhand.



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