

Acineu-RD

(Rabeprazole 20 mg + Domperidone SR 30 mg Capsules)

Each Capsule Contains:

Rabeprazole Sodium IP 20 mg (As enteric-coated pellets) **Domperidone IP** 30 mg (As sustained release pellets) **Excipients** q.s.

Clinical Pharmacology:

Rabeprazole: Rabeprazole is a proton pump inhibitor (PPI) that suppresses gastric acid secretion by specifically inhibiting the H⁺, K⁺ ATPase enzyme system located on the gastric parietal cell surface. This enzyme is considered the acid (proton) pump within the gastric mucosa, and its inhibition blocks the final step of acid production, thereby reducing gastric acidity.

Domperidone: Domperidone is a dopamine D2 receptor antagonist with antiemetic and prokinetic properties. It facilitates gastric emptying and reduces small bowel transit time by enhancing gastric motility without affecting gastric secretions.

Indications:

Gastroesophageal Reflux Disease (GERD)

Severe acidity associated with nausea and vomiting

Dyspepsia

Regurgitation

Contraindications:

In patients with known hypersensitivity to Rabeprazole, Domperidone, or any other components of the formulation.

Patients with prolactin pituitary tumors.

Domperidone is contraindicated in patients with moderate or severe hepatic impairment. In patients receiving medications that prolong the QT interval or potent CYP3A4 inhibitors. If suffering from bleeding in digestive system.

In patients who are pregnant, planning to get pregnant or are breast feeding.

Precautions and Warnings:

Long-term use of proton pump inhibitors may be associated with an increased risk

of osteoporosis-related fractures.

Monitoring for increases in INR and prothrombin time when Rabeprazole is administered concomitantly with warfarin.

It may be associated with an increased risk of serious ventricular arrhythmias or sudden cardiac death, especially in patients older than 60 years or those taking doses greater than 30 mg per day. It may cause sleepiness, thus you need to be cautious while driving. Avoid consuming alcohol as it may worsen the side effects

Drug Interactions:

Rabeprazole may decrease the efficacy of some antiretroviral drugs like rilpivirine. Conversely, it may increase the toxicity of other antiretrovirals like saquinavir. Concomitant use of Domperidone with potent CYP3A4 inhibitors such as ketoconazole, itraconazole, and erythromycin can significantly increase plasma levels of Domperidone, leading to an increased risk of QT prolongation.

Adverse Effects:

Most common adverse effects include headache, diarrhea, dizziness, dry mouth, abdominal pain

Some serious adverse effects include QT prolongation, ventricular arrhythmias, and osteoporosis related fractures (with long-term PPI use)

Overdosage:

Symptoms of overdose include drowsiness, confusion, restlessness, agitation, convulsions, and altered consciousness. Management includes supportive care and symptomatic treatment.

Route of Administration:

Capsules should be swallowed whole with water. Do not crush or chew.

Dosage: As directed by a physician.

Storage: Store below 25°C. Protect from light and moisture.

Presentation: Acineu-RD available as 1 x 10 capsules per strip.



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