Information For the Use
Ondansetron Hydrochloride I.P. 2mg
B. Ranitidine Hydrochloride I.P. 25mg (Combi Pack)

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Ondansetron Hydrochloride I.P. 2mg + Ranitidine Hydrochloride I.P. 25mg Injection (Combi Pack)

Product Description

This combination injection of **Ondansetron Hydrochloride** and **Ranitidine Hydrochloride** is used to prevent nausea, vomiting, and acid-related disorders. Ondansetron is a potent antiemetic that prevents nausea and vomiting by blocking serotonin receptors, while Ranitidine is an H2-receptor antagonist that reduces stomach acid production, making this combination highly effective for managing gastrointestinal discomfort, post-operative nausea, and chemotherapy-induced vomiting.

Composition (Per mL of Injection)

- **Ondansetron Hydrochloride I.P.** – 2 mg
- **Ranitidine Hydrochloride I.P.** – 25 mg

Mechanism of Action

- **Ondansetron Hydrochloride:** A selective 5-HT3 receptor antagonist that prevents nausea and vomiting by blocking serotonin activity in the brain and gut.
- **Ranitidine Hydrochloride:** A histamine H2-receptor antagonist that reduces gastric acid secretion, preventing acid reflux, ulcers, and gastritis.

Indications

This injection is indicated for the prevention and treatment of:

- Nausea and vomiting induced by chemotherapy and radiation therapy
- Post-operative nausea and vomiting (PONV)
- Hyperacidity, acid reflux, and gastroesophageal reflux disease (GERD)
- Peptic ulcers and Zollinger-Ellison syndrome
- Acid-related dyspepsia and gastritis
- Nausea and vomiting associated with infections and motion sickness

Dosage and Administration

- **For nausea and vomiting:**
  - **Adults:** 4mg to 8mg of Ondansetron IV, given slowly over 2-5 minutes
  - **Children:** 0.1 mg/kg IV, given slowly as per physician's guidance
- **For acid suppression (Ranitidine):**
  - **Adults:** 50mg IV every 6 to 8 hours as required
  - **Children:** 2mg/kg IV every 6 to 8 hours as prescribed by the physician

Contraindications

- Hypersensitivity to ondansetron, ranitidine, or any of the excipients
- Patients with severe liver or kidney impairment
- Patients with a history of prolonged QT syndrome (Ondansetron may cause QT prolongation)
- Patients with porphyria (Ranitidine should be avoided)

Side Effects

- Headache, dizziness, or fatigue
- Constipation or diarrhea
- Injection site reactions (redness, swelling)
- Allergic reactions (rash, itching)
- QT prolongation (Ondansetron-related) in rare cases

Precautions and Warnings

- Use with caution in patients with heart conditions or electrolyte imbalances
- Ranitidine should be used with caution in patients with kidney disease
- Ondansetron may cause mild drowsiness; avoid driving or operating machinery
- Not recommended for use in pregnant or lactating women without medical supervision

Storage Instructions

- Store in a cool and dry place, away from direct sunlight
- Do not freeze; keep at controlled room temperature
- Keep out of reach of children

This **Ondansetron + Ranitidine Combi Pack Injection** provides a dual-action approach to managing nausea, vomiting, and acid-related disorders, ensuring optimal patient comfort and recovery. Always administer under the supervision of a healthcare professional.

Manufactured in India for:

Cafoli Lifecare Pvt. Ltd.
(An ISO 9001: 2015 Certified Co.)
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