

Ondotyle Injection

Ondansetron (2mg/ml) Injection

Description

Ondansetron Injection is an antiemetic medication designed to prevent and treat nausea and vomiting caused by chemotherapy, radiotherapy, surgery, or other medical conditions. It is administered intravenously (IV) or intramuscularly (IM) to provide rapid relief.

Composition

- **Active Ingredient:** Ondansetron 2mg per mL
 - **Excipients:** Sodium chloride, citric acid, sodium citrate, and water for injection.
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Mechanism of Action

Ondansetron is a selective serotonin 5-HT₃ receptor antagonist. It blocks serotonin, a natural substance in the body that triggers nausea and vomiting, at the central (brain) and peripheral (gut) levels.

Indications

- **Prevention and treatment of chemotherapy-induced nausea and vomiting (CINV).**
- **Management of nausea and vomiting associated with radiotherapy.**
- **Prevention and treatment of postoperative nausea and vomiting (PONV).**
- **Management of nausea and vomiting in other medical conditions as determined by the physician.**

Dosage and Administration

Route of Administration: Intravenous (IV) or Intramuscular (IM)

- **Chemotherapy-induced Nausea and Vomiting (CINV):**
 - **Adults:** 8mg IV or IM immediately before chemotherapy. A second dose can be given after 4 hours if required.
 - **Pediatrics (≥6 months):** 0.15mg/kg IV over 15 minutes, administered 30 minutes before chemotherapy.
- **Postoperative Nausea and Vomiting (PONV):**
 - **Adults:** 4mg IV or IM administered at the end of surgery.
 - **Pediatrics (≥1 month):** 0.1mg/kg IV.

Note: Dosage may vary based on patient age, weight, and clinical condition. Always follow the prescribing physician's instructions.

Contraindications

- **Hypersensitivity to ondansetron or any of the formulation's components.**
 - **Use in patients with congenital long QT syndrome.**
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Precautions

- **Cardiovascular Conditions:** Use with caution in patients with electrolyte imbalances, heart failure, or bradyarrhythmias.
- **Liver Impairment:** Dose adjustment may be necessary in patients with severe hepatic impairment.

- **Pregnancy and Lactation:** Use only if clearly needed and prescribed by a doctor.
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Side Effects

Common side effects:

- **Headache**
- **Dizziness**
- **Constipation**
- **Fatigue**

Rare but serious side effects:

- **QT interval prolongation and arrhythmias.**
 - **Hypersensitivity reactions such as rash, swelling, or anaphylaxis.**
 - **Seizures (very rare).**
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Drug Interactions

- **Avoid co-administration with medications that prolong the QT interval (e.g., antiarrhythmics, certain antibiotics, and antipsychotics).**
 - **Use cautiously with drugs metabolized by CYP3A4 enzymes.**
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Storage Instructions

- **Store below 30°C.**
 - **Protect from light and freezing.**
 - **Use immediately after opening.**
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Presentation

- **Form:** Clear, colorless solution.
 - **Packaging:** 2mL ampoule or vial.
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Conclusion

Ondansetron 2mg Injection is an effective, fast-acting solution for managing nausea and vomiting in various clinical scenarios. Its flexibility of use across different routes of administration (IV/IM) ensures optimal patient care and comfort. Always use 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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