

Class

Antiemetic

Pharmacologic Properties

Ondansetron hydrochloride is an anti-emetic which acts as a selective inhibitor of the serotonin 5-HT 3 receptor type. The drug binds to both central nervous system and peripheral receptors in the gastrointestinal tract to exert its effects. Its onset is a few seconds, and duration of action is 2-7 hours.

Indications

- Prevention and control of nausea and/or vomiting
- Prevention and control of nausea or vomiting post administration of Fentanyl Citrate (Sublimaze) [Protocol 10](#), [Protocol 11](#), [Protocol 18](#), [Protocol 18P](#), [Protocol 21](#), [Protocol 21P](#).
- [The administration of Zofran requires mandatory MDFR ALS transport.](#)

Contraindications

- Known hypersensitivity
- Known Long-QT Syndrome
- **Pregnancy**

Precautions

- May lengthen QT interval – patients should be placed on a cardiac monitor after administration.
- The use of ondansetron in patients following abdominal surgery may mask a progressive ileus and/or gastric distention.

Side Effects/Adverse Reactions

- Headache, Fatigue, Diarrhea, Dizziness, Abnormal ECG, Prolonged QT interval, 2nd degree AVHB.

Dosage and Administration**Adult**

- 4 mg PO, One Oral Disintegrating Tablet (ODT) or 4 mg SL/SLOW IVP or IM

Pediatric

- greater than 15 kg (greater than 33 lbs)
 - 4 mg PO, One ODT or 4 mg SL/SLOW IVP or IM
- 8 – 15 kg (18 – 33 lbs)
 - 2 mg PO, Half of an ODT or 2 mg SL/SLOW IVP or IM