



# El Dorado County Emergency Medical Services Agency

## Quick Reference

Revised Date: July 1, 2020

### Medication Profile

**Ondansetron**  
(Zofran)

**Class:**

Antiemetic

**Action:**

Serotonin receptor antagonist

**Onset:** Up to 30 minutes (usually 5-10 minutes)

**Duration:** Variable

**Adult & Pediatric Administration:**

4-8mg IV/IO/IM/ODT (IV push over 30 seconds or more). May repeat (x1) once in 10 minutes.

- Contact base for additional doses.
- IV should be given over 2-5 minutes and no less than 30 seconds.
- When administering IV push it is critical that you administer slowly in order to avoid profound hypotension.

**Pediatric Administration:**

- Greater or equal to 4 years old (more than 34kg):
  - 4mg IV/IM/IO/ODT (IVP over 30seconds or more) May repeat (x1) once in 10 minutes
- 1-4years old:
  - 2mg IV/IM/IO/ODT (IVP over 30seconds or more) May repeat (x1) once in 10 minutes
  - Pill splitter is required for 2mg ODT dose in pediatrics
- IV/IO should be given over 2-5 minutes and no less than 30 seconds.
- When administering IV push it is critical that you administer slowly in order to avoid profound hypotension
- Less than 1 year old: Contact Base
- Contact Base for additional doses

**Indications:**

Nausea/Vomiting

**Contraindications:**

Known sensitivity to Ondansetron or other 5-HT3 antagonists:  
Pregnancy  
Concomitant use with apomorphine (Parkinson's medication)  
Congenital long Q-T Syndrome

**Side Effects:**

- Tachycardia
- Hypotension
- Syncope (If given too fast)

**Pregnancy:**

Category B

**Notes:**

- Can cause profound hypotension. ECG monitoring is recommended in patients with electrolyte abnormalities, CHF, Brady arrhythmias or patients taking other medicinal products that lead to QT prolongation.