



**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.