ONDANSETRON (Zofran)

Classification: Anti-emetic

Actions:
Selective antagonism of the serotonin 5-HT\textsubscript{3} receptor
Decreases or eliminates nausea
Decreases/prevents episodes of vomiting

Indications:
Intractable vomiting or severe nausea for patients greater than 34 kg

Contraindications:
1. Children < 34 kg base physician order only
2. Pregnancy – base physician order only
3. Hypersensitivity to 5-HT\textsubscript{3} receptor antagonists (i.e. Dolasetron (Anzemet), Granisetron (Kytril) or Palonosetron (Aloxi))
3. History of previous hypersensitivity to Zofran
4. Patients taking Apomorphine – (an injectable drug for Parkinson’s Disease or rarely for erectile dysfunction – Apokyn, Spontane, Uprima)
5. Do not administer orally to those with known sensitivity to Phenylketonurics (contains phenylalnine)

Adverse Effects (Precautions, Side Effects and Notes):
- Hypotension
- Dizziness
- QT prolongation
- Dysrhythmias
- Flushing
- Drowsiness
- Rash
- Anaphylaxis
- Urinary Retention
- Diarrhea
- Headache

Ondansetron may cause QT prolongation in dose dependent manner, consider EKG monitoring or withholding in patients with long QT or at risk. Patients that do not respond to initial dose often do not respond to subsequent doses.

Administration:

**ADULT DOSE**
- 4mg SLOW IV push over 1min - (rapid administration may result in syncope)
- 4mg IM or PO (oral disintegrating tablet - ODT)
- May repeat PO every 20 min to a total of 12 mg

**PEDIATRIC DOSE <34 kg – base physician order only**
- 4 mg SLOW IV push over 1 min - (rapid administration may result in syncope)
- 4 mg IM or PO (oral disintegrating tablet - ODT)
- Repeat per base physician order

Onset:

<table>
<thead>
<tr>
<th>Route</th>
<th>Onset</th>
<th>Peak</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.O., I.V.</td>
<td>Rapid</td>
<td>15-30 min</td>
<td>4-8 hr</td>
</tr>
<tr>
<td>I.M.</td>
<td>Rapid</td>
<td>40 min</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Duration: 4-8 hours