

---

## ***Nausea & Vomiting***

1. Follow **General Pre-hospital Care-Treatment Protocol**.
2. Consider underlying causes of nausea and vomiting (i.e., stroke, trauma, cardiac, etc.) and further evaluate according to appropriate protocol.
3. Pediatric patients ( $\leq 14$  years of age) utilize MI MEDIC cards for appropriate medication dosage. When unavailable utilize pediatric dosing listed within protocol.
4. Isopropyl alcohol – Consider allowing patient to inhale vapor from isopropyl alcohol wipe 3 times every 15 minutes as tolerated
5. For patients  $\geq 40$  kg that are not actively vomiting, administer **ondansetron** (i.e., Zofran) 4mg ODT (availability and licensure level per MCA selection).
  - a. Contraindications: Patients with Phenylketonuria (PKU)

**ODT ondansetron included?**

YES       NO

Per MCA Selection

EMT  
 Specialist

6. For signs of dehydration, administer **NS** or **LR** IV/IO fluid bolus (refer to **Vascular Access and IV Fluid Therapy-Procedure Protocol**).
  - a. Adults: up to 1 liter.
  - b. Pediatrics: up to 20 ml/kg
7. Hypotensive patients should receive additional IV/IO fluid boluses, as indicated by hemodynamic state.
  - a. Adults: repeat IV/IO fluid bolus to a maximum of 2 liters.
  - b. Pediatrics: repeat dose of 20 ml/kg to a maximum of 40 ml/kg
  - c. Monitor for pulmonary edema.
  - d. If pulmonary edema presents, stop fluids and contact Medical Control for direction.
8. Administer **ondansetron** IV/IM if ODT not already administered or if patient vomited post ODT administration. (Per MCA selection, may be a Specialist skill)

**Ondansetron IV/IM**

Specialist

- a. Adults 4mg IV/IM
- b. Pediatrics 0.1 mg/kg IV/IM, maximum dose of 4 mg

Initial Date: 8/24/2012  
Revised Date: 05/08/2023

Section 1-3

- 
-  9. Repeat **ondansetron** (may be Specialist skill if selected above)
- a. Adults: 4mg IV/IM
  -  b. Pediatrics: 0.1 mg/kg IV/IM, maximum dose of 4 mg
  - c. Total maximum dose **ondansetron** (all/any route) for pediatrics or adults 8 mg
-  10. Consider **diphenhydramine** when previous medications have been ineffective or are contraindicated.
- a. Adult: 12.5-25 mg IV/IM. Maximum dose 25 mg.
  -  b. Pediatric (>2 years of age AND > 12 kg): 1.0 mg/kg IV. Maximum dose 25 mg.

Medication Protocols

Diphenhydramine

Ondansetron