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 (≤ 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 ≥ 30 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 refer to MI MEDIC cards.
   c. i. If MI MEDIC cards are not available administer 0.1 mg/kg IV/IM, maximum dose of 4 mg

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