

Treatment and Interventions

1. If signs of airway obstruction are present and a chin-lift, jaw thrust, positioning, and/or suctioning does not alleviate it, place oropharyngeal airway (if gag reflex is absent) or nasopharyngeal airway
2. Place pulse oximeter and/or waveform capnography to monitor oxygenation/ventilation
3. Administer oxygen as appropriate with a target of achieving 94–98% saturation. Use bag-valve-mask (BVM) ventilation if oxygenation/ventilation are compromised
4. Assess perfusion
5. Assess neurologic status
6. Routes for treatment
 - a. IN/IM routes are preferred over IV or IO routes (if not already established) and rectal (PR) route as an alternative
 - i. If no other route of delivery (IM/IV/IO/IN), diazepam 0.2 mg/kg PR (maximum dose 20 mg)
 - b. IV placement is not necessary for treatment of seizures, but could be obtained if needed for other reasons
7. Anticonvulsant Treatment
 - a. If vascular access is absent
 - i. Midazolam 0.2 mg/kg (maximum dose 10 mg), IM preferred, or IN
 - b. If vascular access (IV or IO) is present:
 - i. Diazepam 0.2 mg/kg IV or IO, maximum 10 mg
 - ii. Lorazepam 0.1 mg/kg IV or IO, maximum 4 mg
 - iii. Midazolam 0.1 mg/kg IV or IO, maximum 4 mg
8. Glucometry
 - a. If still actively seizing, check blood glucose level
 - b. If less than 60 mg/dL, treat per the [Hypoglycemia Guideline](#)
9. Administer magnesium sulfate in the presence of seizure in the third trimester of pregnancy or postpartum [See [Eclampsia/Pre-eclampsia Guideline](#)]
10. For febrile seizures, consider the following interventions after stopping the seizure. Please note that the administration of nonsteroidal anti-inflammatory medications is contraindicated in infants less than 6 months of age. The following interventions provide symptomatic relief for fevers, but do not stop the seizure:
 - b. Acetaminophen 15 mg/kg, maximum dose 650 mg, PR/IV/IO (if unable to swallow) or PO (if able to swallow)
AND/OR
 - c. Ketorolac 1 mg/kg, maximum dose 15 mg, IV (if unable to swallow) OR Ibuprofen 10 mg/kg, maximum dose 600 mg, PO (if able to swallow)
AND/OR
 - d. Removing excessive layers of clothing
AND/OR
 - e. Applying cool compresses to the body
11. Consider acquiring a 12-lead EKG following cessation of seizure in patients without a history of seizure to determine possible cardiac cause