

SEIZURES

ALL PROVIDERS

- ☐ Focused history and physical exam
 - Blood glucose, temperature and oxygen saturation assessment
 - Determine possibility of third trimester pregnancy, if appropriate
 - Assess scene for possible toxin, overdose or trauma
- ☐ Cardiac monitor, ETCO₂, and pulse oximetry monitoring, when available
- ☐ **Treatment Plan**
 - Do not restrain, but do provide protection from injury during the tonic-clonic phase
 - Spinal motion restriction per *Spinal Motion Restriction Guideline*
 - Ensure patients experiencing febrile seizures are not excessively dressed or bundled
 - Any child <12 months old with seizure activity should be encouraged to be transported
- ☐ **Key Considerations:**
 - ONLY treat if actively seizing.
 - Intranasal (IN) and intramuscular (IM) routes are preferred for first line administration of benzodiazepines
 - Intravenous (IV) administration of benzodiazepines is appropriate once an IV is in place
 - Rectal administration is not recommended

ADULT

PEDIATRIC (<15 years of Age)
NOTE: Pediatric weight based dosing should not exceed Adult dosing.

EMT

- ☐ Maintain open airway with patient in the recovery position
- ☐ Assist patient's family or caretaker with any home medication treatments

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AEMT

- ☐ Advanced airway, vascular access and fluid therapy
- ☐ **Benzodiazepines:** cut the DOSE in half if the patient is under the influence of narcotics or alcohol
 - **Midazolam**
 - IN/IM/IV/IO – 5 mg, may repeat once in 5 minutes, if needed. Total max dose: 10mg
 - **Diazepam**
 - IV/IO – 5 mg, may repeat every 5 minutes, if needed. Total max dose: 20mg
 - Intramuscular (IM) – 10 mg, may repeat once in 10 minutes, if needed. Total max dose: 20 mg (IM not preferred unless no other options)
 - **Lorazepam**
 - IV/IO/IM – 4mg, may repeat every 5 minutes, if needed. Total max dose: 8mg

AEMT

- ☐ Advanced airway, vascular access and fluid therapy
- ☐ **Benzodiazepines:** cut the DOSE in half if the patient is under the influence of narcotics or alcohol
 - **Midazolam**
 - IN/IM: 0.2 mg/kg (max 5 mg), may repeat once in 5 minutes, if needed. Total max dose: 10 mg
 - IV/IO - 0.1 mg/kg (max 5 mg), may repeat once in 5 minutes, if needed. Total max dose: 10 mg
 - **Diazepam**
 - IV/IO - 0.1 mg/kg (max 5 mg), may repeat every 5 minutes, if needed. Total max dose: 10 mg
 - Intramuscular (IM): 0.2 mg/kg (max 10 mg), may repeat every 10 minutes, if needed. Total max dose: 20 mg (IM not preferred unless no other options)

- **Lorazepam**
 - **IV/IO/IM – 0.1mg/kg** (max 4 mg per dose), may repeat X1 in 10 minutes.
Total max dose: 8 mg.

- ☞ Contact OLMC for dosages above those provided or use of medication NOT fitting the guideline parameters

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PARAMEDIC

- ☐ Pregnant females with eclampsia/seizures
 - **Magnesium sulfate - 5 gm IM/IV/IO gm.**
Give infusion over 15 to 30 min.

PARAMEDIC

- ☞ **Magnesium Sulfate** – For pediatric patients who are pregnant and having a seizure contact OLMC