

# 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, ETCO<sub>2</sub>, 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:**
  - 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:** is cut 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:** is cut 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 every 5 minutes, if needed. 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