



# Jackson Hole Fire/EMS Operations Manual

Approved by: [Signature]  
Will Smith, MD, Medical Director

Approved by: [Signature]  
Willy Watsabaugh, Chief

Title: **Treatment Protocol:  
Seizure**

Division: 17

Article: 4.19

Revised: August 2014

Pages: 1

## SEIZURE (Treatment Protocol)

### ALL PROVIDERS

- Establish responsiveness and perform ABC's.
- Protect the patient from injury during tonic/clonic activity.
- Secure the airway with aggressive suctioning and adjunctive airway equipment. Spinal stabilization if spine injury is suspected.
- Administer oxygen to keep oxygen saturation >94%; if respirations are ineffective, assist ventilations with BVM.
- Post seizure, place patient on left lateral and protect the airway.
- Transport ASAP.
- Monitor patient continuously and be prepared for additional seizure activity.

### ADULT

#### EMT-BASIC PROVIDER

- Acquire glucometer reading and treat hypoglycemia per protocol

#### EMT-INTERMEDIATE PROVIDER

- Continuous ECG and SaO<sub>2</sub> monitoring
- Consider acquiring ETCO<sub>2</sub> waveform and numerical value. Treat accordingly
- Establish IV/IO of NS TKO, draw blood during IV start.
- If seizure lasts more than 5 minutes or if patient is hypoxic
  - Administer **Diazepam** (Voice Order)
- If altered LOC persists administer **Narcan**.

#### EMT-PARAMEDIC PROVIDER

- Titrate medications to control seizures while keeping the SBP > 100 mm Hg or positive peripheral pulses
- **Diazepam (Valium)** or **Midazolam**

### PEDIATRIC

#### EMT-BASIC PROVIDER

- Acquire glucometer reading and treat hypoglycemia per protocol

#### EMT-INTERMEDIATE PROVIDER

- Continuous ECG and SaO<sub>2</sub> monitoring
- Consider acquiring ETCO<sub>2</sub> waveform and numerical value. Treat accordingly
- Establish IV/IO of NS TKO, draw blood during IV start.
- If seizure lasts more than 5 minutes or if patient is hypoxic
  - **Diazepam (Valium)** (Voice Order)
    - Max total for <5 yrs: 5 mg
    - Max total for >5 yrs: 10 mg

#### EMT-PARAMEDIC PROVIDER

- Titrate medications to control seizures while keeping the SBP > 70 + (age in years x 2) mmHg or peripheral pulses present.
- **Diazepam (Valium)** or **Midazolam**