

## SEIZURES – PEDIATRIC

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### **Information Needed:**

- Onset, duration, description of seizure
- History of pre-existing seizures, fever, infection, chronic conditions
- Change in mental status, baseline mental status, onset and progression of the altered state
- Antecedent symptoms such as headache, trauma, allergies, or possible ingestion of substance or medication
- Medications and those administered for this event.
- Utilize the Broselow Tape to measure length and then SMC Pediatric Reference Card for determination of drug dosages, fluid volumes, defibrillation/cardioversion joules and appropriate equipment sizes.

### **Objective Findings:**

- Level of consciousness and neurological assessment
- Evidence of trauma
- Temperature, skin signs
- Pulse oximetry
- Cardiac monitor
- Blood glucose level

### **Treatment:**

- Routine medical care. Ensure protective position or need for c-spine precautions
- Ensure ABC's, oxygenation, ventilation; suction as needed
  - Oxygen via blow-by, mask, or high flow as needed; assist ventilations with BVM as needed.
- Institute gradual cooling measures as indicated by history
- Consider IV/IO access
  - If neonate (less than 29 days) and blood glucose less than 40 mg/dL give:
    - D<sub>10%</sub>W IV/IO
    - If no vascular access, administer glucagon IM
  - If older than 29 days and blood glucose less than 60 mg/dL give:
    - D<sub>10%</sub>W IV/IO
    - If no vascular access, administer glucagon IM

- For persistent seizures, treat with midazolam (Versed®) IV/IO/IN to a maximum of 5 mg total. If seizures persist, contact Pediatric Base Hospital Physician for consultation. Be prepared to support ventilations and oxygenation.

**Precautions and Comments:**

- A febrile seizure cannot be diagnosed in the field because of other serious causes of fever and seizures (e.g. meningitis). Therefore, transport is recommended for all seizures, with or without fever. Additionally all first-time seizures should also be transported.
- **Note: If parent/guardian refuses medical care/and or transport, a consult with Pediatric Base Hospital Physician is required prior to completing a Refusal of Care form.**
- Consult the ALTE policy
- When giving midazolam, DO NOT USE THE DOSAGES LISTED ON THE BROSELOW TAPE as they are high doses indicated for induction. Use doses from the SMC Pediatric Reference Card.