Pediatric Seizures

Pre-Medical Control

MRF/EMT/SPECIALIST/PARAMEDIC

1. Follow **Pediatric Assessment and Treatment Protocol**.
2. **IF PATIENT IS ACTIVELY SEIZING:**
   A. Protect patient from injury.
   B. Do not force anything between teeth.

SPECIALIST/PARAMEDIC

C. Start an IV/IO NS KVO.
D. Measure blood glucose level.
E. If glucose is less than 60 mg/dl, administer Dextrose.
   a. Dextrose 12.5% for neonates, (under 1 month of age) 4 ml/kg IV/IO*.
   b. Dextrose 25% for children up to 12 years old, 2 ml/kg IV/IO*.

*The IO route is a last resort if IV cannot be established and glucagon is not available with online Medical Control approval.

PARAMEDIC

F. Administer Midazolam 0.1mg/kg IM, maximum individual dose 10 mg prior to IV start, if patient is actively seizing
G. If IV established and Midazolam IM has not been administered, administer Midazolam, Lorazepam or Diazepam per MCA selection.

Medication Options:
(Choose One)

☐ Midazolam 0.05 mg/kg IV/IO, maximum individual dose 5 mg

OR

☐ Lorazepam - 0.1 mg/kg IV/IO, max single dose 4 mg, may repeat in 5 minutes if seizure activity continues; not to exceed 0.2 mg/kg total (maximum of 8 mg)

OR

☐ Diazepam - 0.1 mg/kg IV/IO or 0.5 mg/kg rectally (maximum individual dose 10 mg)

H. If seizures persist, per MCA selection, repeat Midazolam, Lorazepam or Diazepam at the same dose or contact medical control for further instructions.

MFR/EMT/SPECIALIST/PARAMEDIC

1. **IF PATIENT IS NOT CURRENTLY SEIZING, BUT HAS ALTERED MENTAL STATUS REFER TO ALTERED MENTAL STATUS PROTOCOL.**

NOTE:

To obtain Dextrose 12.5%, discard 37.5 ml out of one amp of D50, then draw 37.5 ml of NS into the D50 amp; administer as indicated above.

To obtain Dextrose 25%, discard 25 ml out of one amp of D50, then draw 25 ml of NS into the D50 amp; administer as indicated above.

Follow **Pediatric Assessment & Treatment Protocol**

PATIENT IS ACTIVELY SEIZING

YES

- Protect patient from injury
- Do not force anything between teeth
- Start an IV/IO NS KVO.
- Measure blood glucose level.

If glucose is less than 60 mg/dl administer Dextrose

- Dextrose 12.5% for neonates, (under 1 month of age) 4 ml/kg IV/IO*
- Dextrose 25% children up to 12 yrs. old, 2 ml/kg IV/IO*.

*The IO route is a last resort if IV cannot be established and glucagon is not available with online Medical Control approval.

NO

Altered mental status present refer to **Altered Mental Status Protocol**

- Administer Midazolam 0.1 mg/kg IM, maximum individual dose 10 mg prior to IV start, if patient is actively seizing.
- If IV established & Midazolam IM has not been administered, administer Midazolam, Lorazepam or Diazepam, per MCA selection

If seizures persist, per MCA selection repeat Midazolam, Lorazepam or Diazepam at the same dose or contact medical control for further instructions.

Contact Medical Control

Medication Options:
(Choose One)

☐ Midazolam 0.05 mg/kg IV/IO, maximum individual dose 5 mg

OR

☐ Lorazepam 0.1mg/kg IV/IO, maximum single dose 4 mg, may repeat in 5 minutes if seizure activity continues; not to exceed 0.2 mg/kg total (maximum of 8 mg)

OR

☐ Diazepam 0.1 mg/kg IV/IO or 0.5 mg/kg rectally (maximum individual dose 10 mg)

NOTE: To obtain Dextrose 12.5%, discard 37.5 ml out of one amp of D50, then draw 37.5 ml of NS into the D50 amp; administer as indicated above.

To obtain Dextrose 25%, discard 25 ml out of one amp of D50, then draw 25 ml of NS into the D50 amp; administer as indicated above.