Pediatric Status Epilepticus Protocol

**Impending SE**

- Midazolam IM
  - (0.2mg/kg, max 10mg)
  - Establish IV Access

**Established SE**

- Midazolam IM
  - (0.2mg/kg, max 10mg)
  - Establish IV Access

- Lorazepam IV/IO
  - (0.1mg/kg, max 4mg, over 1min)

- Prehospital Benzodiazepine given?
  - Yes
    - Lorazepam IV
      - (0.1mg/kg, max 4mg, over 1min)
    - Seizure continues after 5min
      - Levetiracetam IV
        - (50mg/kg, 5mg/kg/min, max 3000mg)
  - No

**Refractory SE**

- Seizure continues after 10min
  - Fosphenytoin IV*
    - (20mg/kg, 3mg/kg/min, max 150mg/min)

- Seizure continues after 5min
  - Phenobarbital IV
    - (30mg/kg, 2mg/kg/min, max 60mg/min)

**Coma Induction**

- Midazolam IV Bolus and Midazolam IV Infusion
  - (0.2mg/kg, max 10mg, over 2min)
  - (0.1mg/kg/hr)

- Midazolam IV Bolus
  - (0.2mg/kg, max 10mg, over 2min)
  - Seizure continues after 5min
  - Midazolam IV Bolus and Increase Midazolam IV Infusion
    - (by 0.2mg/kg/hr)

- Repeat as needed every 5min, up to max IV infusion of 2mg/kg/hr

- Pentobarbital IV Bolus and Pentobarbital IV Infusion
  - (5mg/kg)
  - (1~3mg/kg/hr)

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* Give Phenytoin if Fosphenytoin not available, but ensure max rate is limited to 50mg/min.

Reviewed: 8/19 by Nathan Mick, MD and Tom Reynolds, MD