Pediatric Status Epilepticus Protocol

Impending SE

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

Established SE

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

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) and (0.1mg/kg/hr)

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

- Repeat as needed every 5min, up to max IV infusion of 2mg/kg/hr
  - Midazolam IV Bolus and Increase Midazolam IV Infusion
    - (by 0.2mg/kg/hr)

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

* 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