Physician Orders ADULT: Adult Refractory Status Epilepticus Plan

Initiate Orders Phase
Care Sets/Protocols/PowerPlans
- Initiate Powerplan Phase
  - Phase: Emergency Control Phase, When to Initiate: _______________________
- Initiate Powerplan Phase
  - Phase: Urgent Control Phase, When to Initiate: _______________________
- Initiate Powerplan Phase
  - Phase: Continuous Infusions (MD Only) Phase: When to Initiate:____________

Emergency Control Phase
Admission/Transfer/Discharge
- Transfer Pt within current facility
  - To Neuro, Telemetry: Telemetry

Vital Signs
- Vital Signs
  - Monitor and Record T,P,R,BP, q30min, For 1 hr, Following resolution of status, then every 1 hour.

Patient Care
- Neurochecks
  - Routine, q30min For 1 hr, Following resolution of status, then every 1 hour.

Respiratory Care
- ABG- RT Collect

Medications
Please select one or more of the following BOLUS options.(NOTE)*
- levETIRAcetam
  - 3,000 mg, IV Piggyback, IV Piggyback, once, STAT
    - Comments: Infuse over 10 minutes.
- fosphenytoin
  - 20 mg/kg, IV Piggyback, IV Piggyback, once, STAT
    - Comments: Round dose to the nearest 250mg. Do not infuse faster than 150mg/min.
- lacosamide
  - 400 mg, Injection, IV Push, once, STAT
    - Comments: Do not infuse faster than 80mg/min.
- valproic acid
  - 40 mg/kg, IV Piggyback, IV Piggyback, once, STAT
    - Comments: Round to the nearest 250mg. Infuse over 10 minutes.
- PHENobarbital
  - 20 mg/kg, IV Piggyback, IV Piggyback, once, STAT
    - Comments: Round to the nearest vial size. Do not infuse faster than 50mg/min.

Please select one or more of the following MAINTENANCE options.(NOTE)*
- +12 Hours levETIRAcetam
  - 1,000 mg, IV Piggyback, IV Piggyback, q12h, Routine
    - Comments: Infuse over 10 minutes.
- +8 Hours fosphenytoin
  - 100 mg, Injection, IV Push, q8h, Routine
    - Comments: Do not infuse faster than 150 mg/min.
- +12 Hours lacosamide
  - 200 mg, Injection, IV Push, q12h, Routine
    - Comments: Do not infuse faster than 80mg/min.
- +8 Hours valproic acid
  - 5 mg/kg, IV Piggyback, IV Piggyback, q8h, Routine
    - Comments: Round to the nearest 250mg. Infuse over 10 minutes.
- +12 Hours PHENobarbital
  - 97.2 mg, Tab, NG, q12h, Routine

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+1 Hours topiramate
200 mg, Tab, NG, q12h, Routine

Diagnostic Tests
- EKG
  Priority: Stat
- CT Brain/Head W/WO Cont Plan(SUB)*
- Chest 1 VW
  Stat
- Transthoracic Echo Adult
  Priority: Routine
- MRI Brain & Stem W/WO Cont Plan(SUB)*
- MRI Brain & Stem WO Cont
  Stat
- EEG
  Reason: Seizures, Stat

Consults/Notifications/Referrals
- Notify Physician-Once

Urgent Control Phase

Medications
Please select one or more of the following BOLUS options.(NOTE)*

- levETIRAcetam
  3,000 mg, IV Piggyback, IV Piggyback, once, STAT
  Comments: Infuse over 10 minutes.
- fosphenytoin
  20 mg/kg, IV Piggyback, IV Piggyback, once, STAT
  Comments: Round dose to the nearest 250mg. Do not infuse faster than 150mg/min.
- lacosamide
  400 mg, Injection, IV Push, once, STAT, (infuse over 5 min)
  Comments: Do not infuse faster than 80mg/min.
- valproic acid
  40 mg/kg, IV Piggyback, IV Piggyback, once, STAT
  Comments: Round to the nearest 250mg. Infuse over 10 minutes.
- PHENobarbital
  20 mg/kg, IV Piggyback, IV Piggyback, once, STAT
  Comments: Round to the nearest vial size. Do not infuse faster than 50mg/min.

Please select one or more of the following MAINTENANCE options.(NOTE)*

+12 Hours levETIRAcetam
1,000 mg, IV Piggyback, IV Piggyback, q12h, Routine
Comments: Infuse over 10 minutes.

+8 Hours fosphenytoin
100 mg, Injection, IV Push, q8h, Routine
Comments: Do not infuse faster than 150 mg/min.

+12 Hours lacosamide
200 mg, Injection, IV Push, q12h, Routine
Comments: Do not infuse faster than 80 mg/min.

+8 Hours valproic acid
5 mg/kg, IV Piggyback, IV Piggyback, q8h, Routine
Comments: Round to the nearest 250mg. Infuse over 10 minutes.

+12 Hours PHENobarbital
97.2 mg, Tab, NG, q12h, Routine

+1 Hours topiramate
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200 mg, Tab, NG, q12h, Routine

Continuous Infusions (MD Only) Phase
Continuous Infusion

☐ midazolam

- 0.2 mg/kg, Inj, IV Push, q5min, PRN Seizure Activity, Routine. Indication: NOT for Violent Restraint
- Comments: Round to the nearest 2 mg. Only administer when used concurrently with midazolam infusion for Refractory Status Epilepticus. Bolus dose to be given at initiation of infusion and with each dose increase, ONLY.

☐ midazolam 1mg/mL/NS 50 mL PreMix

- 50 mg / 50 mL, IV, Routine, See Order Comments
- Comments: Final Concentration: 1 mg/mL; 0.2 mg/kg loading dose MUST be given prior to initiation of infusion; Initiate infusion at 0.1 mg/kg/hr; Patients experiencing breakthrough seizures may receive an additional 0.2 mg/kg bolus and the continuous infusion rate should be increased by 0.1 mg/kg/hr every 3 hours as ordered by MD if seizures persist; Maximum rate = 2 mg/kg/hr Titrated by MD order to clinical seizure suppression or burst suppression on continuous EEG

☐ propofol infusion

- 1,000 mg / 100 mL, IV, Routine, See Order Comments
- Comments: Final Concentration 10 mg/mL; Initiate infusion at 20 mcg/kg/min; Continuous infusion rate should be increased by 10 mcg/kg/min every 5 minutes as ordered by MD if seizures persist. Maximum rate 200 mcg/kg/min; Titrated by MD order to burst suppression on continuous EEG

☐ Ketamine infusion (IVS)*

- Sodium Chloride 0.9%
  - 250 mL, IVC, Routine, See Order Comments
  - Comments: Final Concentration: 2 mg/mL; Initiate infusion at 10 mcg/kg/min; increase by 10 mcg/kg/min as frequently as every 1 hour as ordered by MD if seizures persist; maximum dose 60 mcg/kg/min

- ketamine (additive)
  - 500 mg

☐ PENTobarbital

- 10 mg/kg, IV Piggyback, once, STAT
- Comments: Infuse over 1 hour.

☐ pentobarbital infusion (IVS)*

- NS
  - 250 mL, IV, Routine, See Order Comments
  - Comments: Final Concentration: 8 mg/mL; 10 mg/kg loading dose MUST be given prior to initiation of infusion; Initiate infusion at 1 mg/kg/hr; Continuous infusion rate should be increased by 1 mg/kg/hr every 12 hours as ordered by MD if seizures persist; Titrated by MD order to burst suppression on continuous EEG; Maximum rate 5 mg/kg/hr.

- PENTobarbital (additive)
  - 2,000 mg

☐ norepinephrine 16 mg/250 mL- NaCl 0.9% injectable solution

- 16 mg / 250 mL, IV, Routine, See Order Comments
  - Comments: Initial Rate: 2 mcg/min; Titration Parameters: 2 mcg/min every 2 min to MAP of 65 mmHg or SBP of 90 mmHg; Max Rate: 200 mcg/min; Conc: 64 mcg/mL

Laboratory

☐ Triglyceride

- Routine, T;N, q72h, Type: Blood

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Physician’s Signature</th>
<th>MD Number</th>
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*Report Legend:
- **DEF** - This order sentence is the default for the selected order
- **GOAL** - This component is a goal
- **IND** - This component is an indicator
- **INT** - This component is an intervention
- **IVS** - This component is an IV Set
- **NOTE** - This component is a note
- **Rx** - This component is a prescription
- **SUB** - This component is a sub phase, see separate sheet
- **R** - Required order