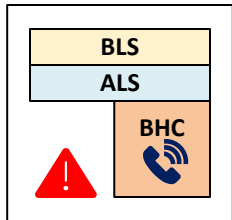


2.13 ADULT SEIZURE



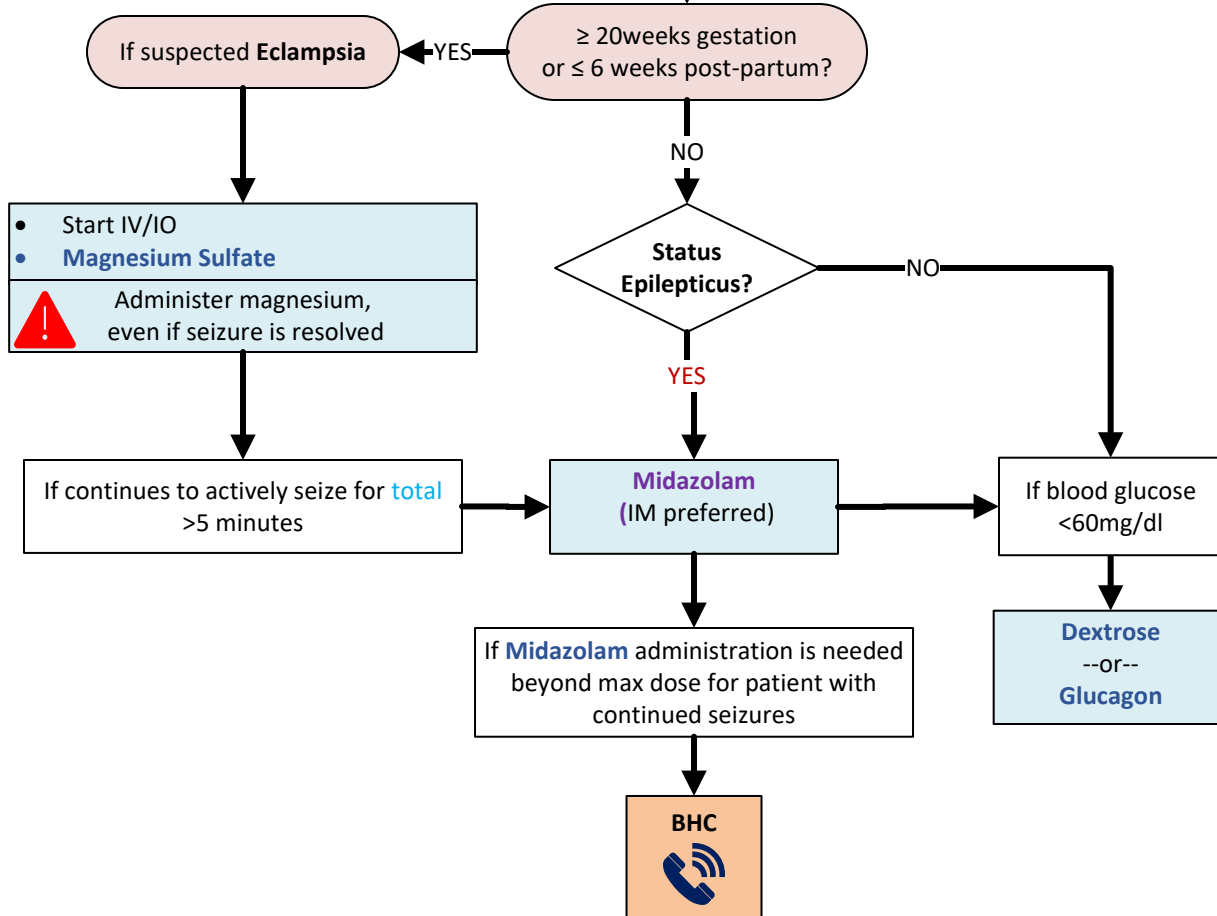
DRAFT
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Obtain focus history including:

- Duration of current seizure
- Prior history of seizure
- Baseline seizure frequency and duration
- Current medications, including anti convulsant
- Recent trauma, heat exposure, toxin exposure or pregnancy

- Suction airway as needed
- Oxygen as indicated
- Place patient on side and protect head while seizing
- Check blood glucose
- Call for ALS, if BLS resource



Comments

- **Status Epilepticus** definition:
 - Continuous generalized tonic-clonic seizure activity lasting > 5 minutes. This includes patients who are seizing on EMS arrival because it can be assumed that they have been seizing for at least 5 minutes beforehand
 - Partial seizure activity >10 minutes
 - Multiple seizures without returning to baseline
- For patients with Eclampsia transport to OB receiving center
- For patients that are seizing, do not delay medication administration for IV access

2.13 ADULT SEIZURE

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General Assessment
<ul style="list-style-type: none"> Obtain focused history including: <ul style="list-style-type: none"> Duration of current seizure Prior history of seizures, diabetes or hypoglycemia Baseline seizure frequency and duration Current medications, including anticonvulsants Recent trauma, heat exposure, toxin exposure or pregnancy
BLS – General Management
<ul style="list-style-type: none"> During active seizure, protect head, ensure safe environment and do not forcibly reposition If signs of airway obstruction, perform chin-lift, jaw thrust Suction airway as needed Oxygen as indicated Place patient on side and protect head while seizing. Check blood glucose In post-ictal phase, when unresponsive but breathing consider recovery position (lateral/semi-prone) prior to transport Call for ALS assessment, if BLS resource
ALS- General Management
<ul style="list-style-type: none"> If actively seizing, do not delay IM/IN administration to start an IV If BGL < 60 mg/dl Dextrose IV/IO. Repeat as needed If IV cannot be established, administer Glucagon Establish IV/IO access with Normal Saline TKO

Status Epilepticus
<p>Definition:</p> <ul style="list-style-type: none"> Continuous generalized tonic-clonic seizure activity lasting > 5 minutes. This includes patients who are seizing on EMS arrival because it can be assumed that they have been seizing for at least 5 minutes beforehand. Partial seizure activity >10 minute Multiple seizures without returning to baseline
ALS Management
<p>For patients that are meeting status epilepticus criteria:</p> <ul style="list-style-type: none"> Midazolam 10 mg IM (preferred) /IN (5mg in each nostril) 10 mg IV/IO slow IV push. <p>For seizures that do NOT meet the definition of status epilepticus (e.g. including partial seizures or <10 minutes), no medication indicated.</p>

Eclampsia
<p>Definition: seizures that occur in pregnant women with preeclampsia. Characterized by new</p>

2.13 ADULT SEIZURE

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onset tonic-clonic, focal or multifocal seizures in the absence of causative conditions such as hypoglycemia or drug/alcohol withdrawal in pregnant patients ~~Should be considered in any seizing pregnant patients~~ \geq 20 weeks gestation or \leq 6 weeks post-partum. Patients with eclampsia may not be hypertensive. ~~should be considered if patient greater than 20 weeks gestational age or up to six weeks postpartum. History of pre-eclampsia is not required for development of eclampsia.~~ → Administer

ALS Management

- **Magnesium Sulfate**
 - ~~6 grams in 100 ml D5W slowly over 5 minutes IV/IO~~
 - ~~if no IV access, 10 grams IM administered as 5g in each buttock~~
- If seizure ~~patient~~ last > 5 minutes ~~after magnesium sulfate given~~, administer **Midazolam**. ~~10 mg IM/IN (5mg in each nostril) 10 mg IV/IO slow IV push.~~

Comments Regarding Eclampsia

- ~~Seizure can be due to Eclampsia greater than 20 weeks gestational age or up to 6 weeks postpartum.~~
- ~~If actively seizing patient, give IM Magnesium do not delay administration for IV access.~~
- ~~Do not delay transport for treatment in cases of suspected eclampsia.~~
- ~~Maintain quiet, dim environment.~~

Base Hospital Contact Criteria

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