

Page 1 of 2

**SAGINAW VALLEY
MEDICAL CONTROL AUTHORITY
PRACTICE PARAMETER**

PEDIATRIC SEIZURE

FIRST RESPONDER

I. Management

- A. Evaluate and maintain airway, provide oxygen and support ventilation as needed.
 - 1. Administer high flow, 100% concentration oxygen using a nonrebreather mask or blow-by as tolerated.
- B. Assess circulation and perfusion by measuring heart rate and observing skin color and temperature, capillary refill time, and the quality of central and peripheral pulses. Blood pressure should be measured in children older than three.
- C. Obtain rectal temperature. If temperature is > 102 degrees, start external cooling.¹
- D. Arrange for ALS intercept, if not already accomplished by MedCom.
- E. Protect patient from injury.
- F. Do not force anything between teeth.

BASIC LIFE SUPPORT

- G. Initiate transport toward ALS intercept, if transporting unit.

NOTIFY RECEIVING FACILITY

ADVANCED LIFE SUPPORT

- H. **IF PATIENT IS ACTIVELY SEIZING:**
 - 1. **IV/IO NORMAL SALINE @ TKO.**
 - 2. Monitor EKG.
 - 3. Check Blood Glucose level
 - a. If blood glucose is <80
 - 1. Children >2yrs, use Dextrose 50% at 1 ml/kg
 - 2. Children <2yrs, use Dextrose 25% at 2 ml/kg
 - 3. Neonates, use Dextrose 10% at 5 ml/kg

**SAGINAW VALLEY
MEDICAL CONTROL AUTHORITY
PRACTICE PARAMETER**

4. **If IV is successful:**
 - a. Administer **DIAZEPAM** 0.2 mg/kg IV **OR IO**.
Over a one minute period (maximum dosage of 10mg).

5. **If IV is unsuccessful or delayed:**
 - a. Administer **DIAZEPAM** 0.5 mg/kg via rectal route
(maximum dosage of 10mg).²

CONTACT MEDICAL CONTROL

6. Possible orders post radio contact:
 - a. Additional **DEXTROSE** 50% 25 grams (50cc) IVP
 - b. Consider **MIDAZOLAM** 0.15 mg/kg via IV/IO (maximum dosage of 5 mg).

¹ Primary method should be rectal, axillary is acceptable if rectal is not feasible.

² Use syringe and IV catheter to administer rectal dose.

MDCIS/EMSCC Approved on: <u>10SEP03</u>
MCB/MCA Approved on: <u>16MAY03</u>
Supersedes Version Dated: <u>AUG98</u>
Effective Date <u>01NOV03</u>
Revised on: <u>06MAY04</u>

Medical Director

EMS Manager