

**Treatment Protocols****Stroke - Pediatric****Date: 07/01/2025****Policy #9220P****Pediatric BLS Standing Orders**

- **Universal Patient Protocol**
- Assess and control airway and breathing as needed per **Airway Policy**
- Test glucose
- Continuously monitor pulse oximetry, blood pressure, ECG, and capnography
- Prevent aspiration – elevate head of stretcher 30 degrees if systolic BP significantly elevated for age
- Maintain head and neck in neutral alignment, without flexing the neck
- Protect paralyzed limbs from injury

**Hypoglycemia, Glucose < 60 dL/mg (adult), 60 dL/mg (child), or 45 (neonate) dL/mg**

- Administer glucose PO, if patient is alert, has a gag reflex, and can swallow:
  - Glucose paste on tongue depressor placed between cheek and gum
  - Granulated sugar dissolved in liquid
- Assess for traumatic injury. If present, go to **Trauma Protocol**
- Gather history from patient, and if patient unable to provide history, ask bystanders, family or friends
- Bring family or friend to hospital if available for history

**Complete B.E.F.A.S.T. Stroke Screening:**

|          |   |                |
|----------|---|----------------|
| <b>B</b> | <b>Balance or Leg Weakness</b>                | <b>1 point</b> |
| <b>E</b> | <b>Eyes – Partial or Complete Vision Loss</b> | <b>1 point</b> |
| <b>F</b> | <b>Facial Asymmetry</b>                       | <b>1 point</b> |
| <b>A</b> | <b>Arm Weakness</b>                           | <b>1 point</b> |
| <b>S</b> | <b>Speech Abnormalities</b>                   | <b>1 point</b> |
| <b>T</b> | <b>Last Known Normal</b>                      | <b>Note</b>    |

**If any positives on BEFAST survey, alert BH as potential stroke alert.****Seizure**

- Confirm patient has not had a seizure during the duration of stroke symptoms. If patient has had a seizure during the duration of stroke symptoms or is actively seizing, see the **Seizure Protocol**
- If suspected poisoning, including opioid overdose, go to **Poisoning Protocol**
- **Do not delay transport for interventions and transport to the appropriate receiving facility**

**Pediatric LALS Standing Orders**

- Establish IV
- Capnography

**HYPOGLYCEMIA (<60 mg/dL in children, <45 mg/dL in neonates)**

- Dextrose 10% IV per dosing chart, MR x1

**Treatment Protocols****Stroke - Pediatric****Date: 07/01/2025****Policy #9220P**

- Glucagon IM per dosing chart if BS level low or unobtainable

**Hypotension**

- 10-20 mL/kg NS IV bolus; titrated to age-appropriate systolic BP MR x1
- For persistent hypotension, refer to **Shock Protocol**

**Pediatric ALS Standing Orders**

- Monitor EKG
- Establish IV/IO
- Capnography
- 12 Lead ECG

**HYPOGLYCEMIA (<60 mg/dL in children, <45 mg/dL in neonates)**

- Dextrose 10% IV/IO per dosing chart, MR x1
- Glucagon IM per dosing chart if BS level low or unobtainable

**Hypotension**

- 10-20 mL/kg NS IV/IO bolus; titrated to age-appropriate systolic BP MR x1
- For persistent hypotension, refer to **Shock Protocol**

**Nausea/Vomiting**

- Ondansetron 0.1 mg/kg, max 4 mg - IV/IO/IM/ODT PRN MR x1

**Pediatric Base Hospital Orders**

- Additional glucose dosing per BH
- Time is brain tissue in strokes, transport to the hospital should be priority to decrease poor outcomes

APPROVED:

SIGNATURE ON FILE – 07/01/25

Katherine Staats, M.D. FACEP

EMS Medical Director