SUSPECTED STROKE

ALL PROVIDERS/EMT ☐ Focused history and physical exam Blood glucose, temperature and oxygen saturation assessment. Keep NPO. Document symptom onset time or time last seen normal. ☐ Continuous cardiac, blood pressure, ETCO2, and pulse oximetry monitoring when available. ☐ 12 Lead EKG, if available and does not delay transport. ☐ Treatment Plan Perform Cincinnati Stroke Scale (CSS) to determine if a stroke is likely present (below) If CSS positive, perform a Cincinnati Stroke Triage Assessment Tool (C-STAT) to determine if a large vessel occlusion (LVO) stroke is likely present (below). An LVO stroke may be best treated with an endovascular thrombectomy (direct clot removal) at a specialized stroke center (TSC or CSC, below). Determine Last Known Well (LKW) time (the time when the patient was last seen without new stroke symptoms) Destination guidelines for stroke patients: If LVO score (C-STAT) is positive AND you will arrive at the destination hospital within: 0-4 hours since LKW: Transport to nearest IV tPA-capable hospital (with pre-notification and possible LVO transport protocol activated by hospital). 4-24 hours since LKW: Transport to thrombectomy-capable center if no more than 30 minutes of added transport time over transport to a closer SRF / PSC. > 24 hours since LKW: Transport to closest stroke center (any level of certification) If LVO scale (C-STAT) is negative, EMS to transport to closest stroke center (any level of certification. Consider air medical transport to facilitate rapid transport when needed. Acquire the cell phone number of family members/next of kin to provide to clinicians so they can call them and ask questions if needed. Alert the receiving emergency department that you are transporting a suspected stroke patient as soon as you have made a destination decision. Inform them if the patient is "C-STAT" positive and of their presenting symptoms. **☐** Pediatric Considerations Children can have strokes too. Some risk factors include; sickle cell disease, congenital and acquired heart

 Children can have strokes too. Some risk factors include; sickle cell disease, congenital and acquired heart disease, head and neck infections, systemic conditions, (e.g. inflammatory bowel disease and autoimmune disorders), head trauma or dehydration.

| ADULT | | PEDIATRIC (<15 years of Age) NOTE: Pediatric weight-based dosing should not exceed Adult dosing. | |
|-------|---|--|--|
| | EMT | | EMT |
| | Apply oxygen to maintain oxygen saturation 90 - 95% | | Apply oxygen to maintain oxygen saturation 90 - 95% |
| | Evaluate and Document Cincinnati Stroke Scale (CSS) during assessment. The scale is positive (a stroke is likely) if ANY of following are abnormal: | | Evaluate and Document Cincinnati Stroke Scale (CSS) during assessment. The scale is positive (a stroke is likely) if ANY of the following are abnormal: |

Facial Droop

- Normal: Both sides of face move equally
- Abnormal: One side of face does not move as well as the other (or not at all)

• Arm Drift

- Normal: Both arms move equally or not at all
- Abnormal: One arm does not move, or drifts down compared to the other

Speech

- Normal: Patient uses correct words with no slurring
- Abnormal: Slurred or inappropriate words or mute
- ☐ Evaluate and Document Cincinnati Stroke
 Triage Assessment Tool (C-STAT) during
 assessment. The scale is positive (a LVO stroke
 is likely) if the score is 2 or greater:
 - 2 points Conjugate Gaze Deviation (eyes deviated to one side and unable to track across the midline)
 - 1 Point Mental Status: Incorrectly performs at least one of the following:
 - Tell correct age or current month
 - AND, is unable to follow at least one of two commands (e.g. close eyes, open or close hand)
 - 1 Point Weakness: Cannot hold up one arm for 10 seconds before it fall to the bed

AEMT

☐ Advanced airway, vascular access and fluid therapy

PARAMEDIC

• Facial Droop

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- Abnormal: One side of face does not move as well as the other (or not at all)

Arm Drift

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Speech

- Normal: Patient uses correct words with no slurring
- Abnormal: Slurred or inappropriate words or mute
- ☐ Evaluate and Document Cincinnati Stroke

 Triage Assessment Tool (C-STAT) during
 assessment. The scale is positive (a LVO stroke
 is likely) if the score is 2 or greater:
 - 2 points Conjugate Gaze Deviation (eyes deviated to one side and unable to track across the midline)
 - 1 Point Mental Status: Incorrectly performs at least one of the following:
 - Tell correct age or current month, if able by age and ability.
 - AND, is unable to follow at least one of two commands (e.g. close eyes, open or close hand)
 - 1 Point Weakness: Cannot hold up one arm for 10 seconds before it falls to the bed.

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PARAMEDIC