

TREATMENT:

- A. Treat per Universal Patient Care.
- B. Monitor cardiac rhythm and obtain 12 lead ASAP and provide to receiving facility.
- C. If CBG is low, treat per Altered Mental Status protocol.
- D. Complete **EMS/ ED Triage Stroke Screening**.
- E. Transport patient in supine position with > 15 degree of head elevation if tolerated.
- F. Transport to nearest appropriate stroke hospital.
- G. If transporting to SCMC Bend/Redmond and patient meets criteria below, activate "**Stroke 1**" by dialing **1-800-461-6049** and request a Stroke 1 activation and give ETA to which hospital.
- H. Document serial neurologic examinations.
- I. Prepare to suction airway as needed.

NOTES & PRECAUTIONS:

- A. Do not treat hypertension or give aspirin.
- B. Acute interventions, if indicated, generally must begin within 6 hours of symptom onset. All potential stroke patients should go to an appropriate stroke center.

KEY CONSIDERATIONS:

Time last seen normal, pertinent medical history including history of GI bleeding, trauma or surgery in last 3 months, history of prior CVA/TIA, CBG, neurological exam (including pupils), currently taking Coumadin, clopidogrel (Plavix®) or heparin

| BE FAST Stroke Screen (Balance - Eyes - Face - Arm - Speech - Time) | Normal | Abnormal | |
|---|--------|----------|---------------------------|
| Balance-Finger to nose, gait test | Normal | Balance | Gait/Ataxia |
| Normal: Not dizzy, steady gait | | | |
| Abnormal: Inability to walk, abnormal gait, ataxia | | | |
| Eyes-Visual Acuity, visual field assessment | Normal | Left | Right |
| Normal: Vision normal for patient, with or without correction | | | |
| Abnormal: Sudden double or blurred vision, blindness, visual field cut | | | |
| Face-Have patient smile or show teeth | Normal | Left | Right |
| Normal: Both sides of face move equally | | | |
| Abnormal: One side of face weak/unequal/movement absent | | | |
| Arm-Arm-Extend arms, close eyes, palms down | Normal | Left | Right |
| Normal: Both arms move equally or not at all | | | |
| Abnormal: One arm drifts compared to the other | | | |
| Speech-Ask patient to repeat, "You can't teach an old dog new tricks" | Normal | Slurred | Fluency/ Comprehension |
| Normal: Patient uses correct words with no slurring | | | |
| Abnormal: Speech fluency disruption, slurred speech or is mute | | | |
| Time- Onset and Last seen normal | Time | | |
| New onset of neurologic deficit within the last 6 hours? | Yes | | No |
| New onset of neurologic deficit within the last 24 hours? | Yes | | No |
| If one or more components of the BE FAST Stroke Screen is abnormal and the patient was last seen normal < 24 hours prior to arrival, the stroke screen is considered POSITIVE. Continue to C-STAT evaluation. | | | |

LARGE VESSEL OCCLUSION (LVO ASSESSMENT

| CINCINNATI STROKE TRIAGE ASSESSMENT TOOL - C-STAT | | |
|--|--------|---|
| | Points | Definition |
| GAZE | | Unable to look in certain direction with both eyes. |
| Absent (Normal) | 0 | |
| Present (Abnormal) | 2 | |
| ARM WEAKNESS | | Cannot hold up arm(s) for 10 seconds. |
| Absent (Normal) | 0 | |
| Present (Abnormal) | 1 | |
| LEVEL OF CONSCIOUSNESS | | Incorrectly answers at least one of two LOC questions AND does not follow at least one of two commands. |
| Absent (Normal) | 0 | LOC Questions-What month is it? How old are you? |
| Present (Abnormal) | 1 | LOC Commands-Open your eyes. Make a fist. |
| ***C-STAT positive is defined as a score of ≥ 2 *** | | |

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| Time of Onset/Last Normal | BE FAST | C-STAT | Action #1 | Action #2 |
|--|----------|----------|--------------------------|--------------------------------------|
| 0-6 hours | Positive | Positive | Activate STROKE 1 | Transport directly to Bend |
| 0-6 hours | Positive | Negative | Activate STROKE 1 | Transport to closest facility |
| 6-24 hours | Positive | Positive | Activate STROKE 1 | Transport directly to Bend |
| 6-24 hours | Positive | Negative | Do Not Activate | Transport to closest facility |
| Unknown onset & Last Normal < 24 hours | Positive | Positive | Activate STROKE 1 | Transport directly to Bend |
| Unknown onset & Last Normal < 24 hours | Positive | Negative | Do Not Activate | Transport to closest facility |
| *** Symptomatic and improving | | | Activate STROKE 1 | As defined above |
| *** Complete resolution prior to arrival | | | Do Not Activate | Transport to closest facility |

- C-STAT positive cases who are within 60 minute driving distance to Bend, should be transferred by ground ambulance directly to Bend.
- Air Ambulance activation should be considered for cases that meet criteria for direct transport to Bend and have ground transport times > 60 minutes. This will be dependent on weather conditions and judgement of the EMS team on the scene.