

Adult Medical Stroke

Designation of Condition: Stroke is defined as an interruption of perfusion to the brain by either an ischemic or hemorrhagic event. The patient may present with one or more disturbances involving vision, sensory, motor, or cognitive functions. **Stroke Alert is defined as any single component failure of the Cincinnati Prehospital Stroke Screen with onset of symptomology within 24 hours of onset.**

B

ABC's, Vital signs to include a BGL
 Establish and secure an airway by appropriate means
 Oxygen to maintain saturation $\geq 90\%$, Rapid assessment of GCS, LOC, and motor/sensory functions using Cincinnati Prehospital Stroke Scale (CPSS) with a follow up LAMS exam for possible **L**arge **V**essel **O**ccclusion
 Obtain detailed medication list
 Treat [seizure](#) per guideline
 CPSS positive only without a positive LAMS, transport to **Primary Stroke Center**



I IV/[IO](#) with fluids titrated to patient condition

P Monitor ECG, obtain [12-lead](#)

Primary Stroke Centers

All facilities in ABC area except the VA, Women's and HHNM

Cincinnati Prehospital Stroke Scale (CPSS)

Facial droop — Have patient show teeth or smile
 •Normal — both sides of face move equally
 •Abnormal — One side of face does not move as well as the other

Arm drift — Patient closes eyes and holds both arms straight out for 10 seconds
 •Normal — Both arms move the same or both arms do not move at all
 •Abnormal — One arm does not move or one arm drifts down compared with other

Speech — Have the patient say “you can't teach an old dog new tricks”
 •Normal — patient uses correct words with no slurring
 •Abnormal — patient slurs words, uses the wrong words, or is unable to speak

No Abnormality noted:
 Transport to facility of patient's choice

CPSS+ THEN PERFORM LAMS EXAM FOR POSSIBLE LARGE VESSEL OCCLUSION (LVO)

LAMS:

Facial Droop	Grip Strength
Normal= 0	Absent= 0
Present= 1	Weak Grip= 1
	No Grip= 2

Arm Drift:
 Absent= 0
 Drifts Down= 1
 Falls Rapidly= 2

*****KEY POINT*****

If possible, take a family member with you, or at least have a **good contact number** to give to the physician and **OBTAIN A TIME LAST KNOWN NORMAL**

Stroke alert radio report includes:

- Patient age and gender
- Failing point of CPSS/ LAMS exam
- Onset of symptoms or last seen asymptomatic

If patient's symptoms resolve **DO NOT CANCEL STROKE ALERT**

If the patient's symptoms are > 6 hours old strongly consider code 1 transport

LAMS < 4:
 Transport to any Primary Stroke Center

LAMS ≥ 4 high suspicion for LVO stroke:
 Transport to thrombectomy capable hospital: **UNMH**