

# EMS Pre-Hospital Checklist

Goal: On-scene time  $\leq$  15 minutes

- Perform Pre-hospital Stroke Screen
- Identify Last Known Well
- Perform Large Vessel Screening (RACE)
- Perform Blood Glucose
- Start IV
- 12-lead ECG
- Ask if on blood thinners and notify hospital

\*Note: Many of these tasks can be performed while transporting

Notifying Hospital of the following:

- Stroke Alert
- Large Vessel Screening Score (RACE 0-9)
- Blood Glucose
- Vital signs
- Last Known Well
- 12-ECG findings
- If known anticoagulant use

### Cincinnati Pre-hospital Stroke Scale

**1. FACIAL DROOP:** Have patient show teeth or smile.

**Normal:** both sides of the face move equally

**Abnormal:** one side of face does not move as well as the other side

**2. ARM DRIFT:** Patient closes eyes & holds both arms out for 10 sec.

**Normal:** both arms move the same or both arms do not move at all

**Abnormal:** one arm does not move or drifts down compared to the other

**3. ABNORMAL 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

**INTERPRETATION: If any 1 of these 3 signs is abnormal, the probability of a stroke is 72%.**

RAPID ARTERIAL OCCLUSION EVALUATION for Large Vessel Occlusion			
Item	Instruction	Result	Score
Facial Palsy	"show your teeth"	Absent	0
		Mild	1
		Moderate to Severe	2
Arm Motor Function	Extending arms 90°/hold 10sec (may raise both arms at same time, pronator drift)	Normal to Mild- no drift	0
		Moderate drift in < 10 sec	1
		Severe- no effort to raise arm	2
Leg Motor Function	Extending/holding leg 30° for 5 seconds (one at a time)	Normal to Mild- no drift	0
		Moderate drift in < 5 sec	1
		Severe- no effort to raise leg	2
Head & gaze deviation	Is head & gaze deviation present?	Absent	0
		Present (head & gaze deviation to one side)	1
Aphasia (Right side hemiparesis)	Difficulty following 2 commands :close your eyes, make a fist) Do not prompt with visual cues	Normal- performs both tasks correctly	0
		Moderate- performs only 1 task correctly	1
		Severe- cannot perform either task	2
<b>OR</b>			
<b>Do not score for both aphasia AND agnosia - score for only one of these elements</b>			
Agnosia (Left side hemiparesis)	Inability to recognize familiar objects "whose arm is this? Can you move your arm?"	Normal- recognizes arm and attempts to move it	0
		Moderate- does not recognize OR is unaware of arm	1
		Severe- does not recognize AND is unaware of arm	2

**RACE score  $\geq$  5 indicative of Large Vessel Occlusion → consider Mechanical Thrombectomy**

