HEALTHEAST MEDICAL TRANSPORTATION MEDICAL OPERATIONS MANUAL

Reference 8 Stroke Scales

Cincinnati Prehospital Stroke Scale

Interpretation: if any of these 3 signs is abnormal, the probability of a stroke is 72%



Arm Drift

The patient closes eyes and extends both arms straight out, with palms up for 10 seconds

- Normal both arms move the same or both arms do not move at all (other findings, such as pronator drift, may be helpful)
- Abnormal one arm does not move or one arm drifts downward

Facial Droop

The patient shows teeth or

- Normal both sides of the face move equally
- · Abnormal one side of the face does not move as well as the other side



Abnormal Speech

The patient repeats "you can't teach an old dog new tricks"

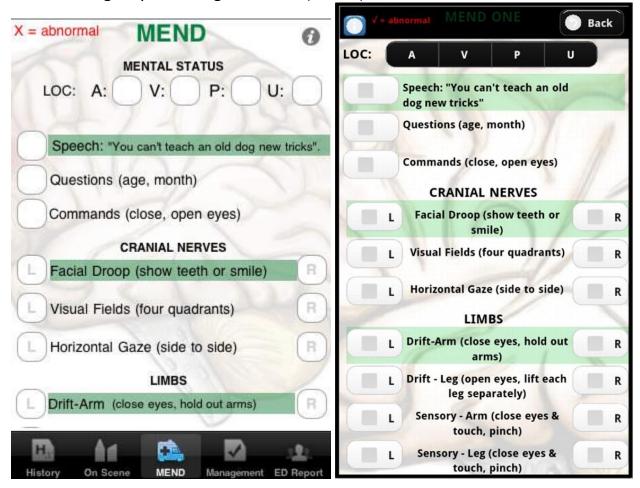
- Normal patient uses correct words with no slurring
- · Abnormal patient slurs words, uses the wrong words, or is unable to speak

Table 2. Los Angeles Prehospital Stroke Screen (LAPSS)

Screening Criteria			Yes	No
1. Age over 45 years				
2. No prior history of seizure disorder			(1)	
3. New onset of neurologic symptoms in last 24 hours				<u> </u>
4. Patient was ambulatory at baseline (prior to event)				
5. Blood glucose between 60 and 400				2
Exam: look for obvious				
	Normal	Right	Left	
Facial smile / grimace:	2 0	Droop	Droop	
Grip:	\rightarrow	Weak Grip No Grip	Weak Grip No Grip	
Arm weakness:	_	Drifts Down Falls Rapidly		
6. Based on exam, patient has o	nly unilateral wea	akness: Y/N	-	-
If Yes (or unknown) to all items abov If LAPSS criteria for stroke met, call rec appropriate treatment protocol. (Note: t criteria are not met.)	eiving hospital with	code stroke." If not, t		

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Miami Emergency Neurological Deficit (MEND)



Rapid Arterial oCclusion Evaluation: RACE

ITEM	Instruction	Result		NIHSS Equivalent
Facial Palsy	Ask patient to show their teeth (smile)	Absent (symmetrical movement) Mild (slight asymmetrical) Moderate to Severe (completely asymmetrical)		0-3
Arm Motor Function	Extending the arm of the patient 90° (if sitting) or 45° (if supine)	Normal to Mild (limb upheld more than 10 seconds) Moderate (limb upheld less than 10 seconds) Severe (patient unable to raise arm against gravity)		0-4
Leg Motor Function	Extending the leg of the patient 30° (in supine)	Normal to Mild (limb upheld more than 5 seconds) Moderate (limb upheld less than 5 seconds) Severe (patient unable to raise leg against gravity)		0-4
Head & Gaze Deviation	Observe eyes and head deviation to one side	Absent (eye movements to both sides were possible and no head deviation was observed) Present (eyes and head deviation to one side was observed)		0-2
Aphasia (R side)	Difficulty understanding spoken or written words. Ask patient to follow two simple commands: 1. Close your eyes. 2. Make a fist.	Normal (performs both tasks requested correctly) Moderate (performs only 1 of 2 tasks requested correctly) Severe (Cannot perform either task requested correctly)		0-2
Agnosia (L side)	Inability to recognize familiar objects. Ask patient: 1. "Whose arm is this?" (while showing the affected arm) 2. "Can you move your arm?"	Normal (recognizes arm, and attempts to move arm) Moderate (does not recognize arm or is unaware of arm) Severe (does not recognize arm and is unaware of arm)	0 1 2	0-2
		RACE SCALE TOTAL		