



# EMS Stroke Essentials

C  
P  
S  
S

<b>F</b> ACE	<b>A</b> RMS	<b>S</b> PEECH	<b>T</b> IME
			
Face Drooping. Look for an uneven smile.	Arm Weakness. Is one arm weak? Can you lift both arms?	Speech Difficulty Listen for slurred speech. Do people understand your speech?	Time is Brain! Go to the hospital immediately, preferably with an acute stroke unit!

L  
A  
M  
S

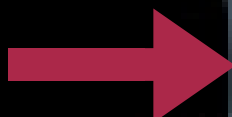
Exam	Scoring
Facial Droop	0-Both sides normal 1- One side <b>weak/flaccid</b>
Arm	0-Both sides normal 1-One side <b>weak</b> 2-One side <b>flaccid</b>
Grip	0-Both sides normal 1-One side <b>weak</b> 2-One side <b>flaccid</b>
Total	<b>0-5</b>

**> 4**  
**BAD**

E  
X  
A  
M

Distribution	Deficit
ACA	Contralateral lower extremity and face
MCA	Aphasia, contralateral hemiparesis
Vertebral/basilar	Ipsilateral: ataxia, diplopia, dysphagia, dysarthria, and vertigo Contralateral: homonymous hemianopsia
Lacunar	
Internal capsule	Pure motor hemiparesis
Pons	Dysarthria, clumsy hand
Thalamus	Pure sensory deficit

INITIAL GOALS



- CT < 20 min
- Door to needle < 60 min (<45 best)
- Baseline ECG
- SpO2 > 94%
- Glucose 140-180 mg/dL
- BP <185/110 for Alteplase
- < 38 degrees C