



STROKE TREATMENT - ADULT

I. FIELD ASSESSMENT/TREATMENT INDICATORS

Patient exhibiting signs/symptoms of a possible stroke. These signs may include: speech disturbances, altered level of consciousness, parasthesias, new onset seizures, dizziness unilateral weakness and visual disturbances.

II. LIMITED ALS (LALS)/ALS INTERVENTIONS

- Vascular access.
- Obtain blood glucose.
- **Modified Los Angeles County Prehospital Stroke Screen (mLAPSS):** A screening tool used by EMS field personnel to assist in identifying patients who may be having a stroke.

mLAPSS Criteria: The patient is *mLAPSS positive*, if “yes” on Criteria #1 - 4 and exhibits unilateral weakness on Criteria #6.

mLAPSS Criteria	Yes	No	
1. Age over 17 years?			
2. No prior history of seizure disorder?			
3. New onset of neurologic symptoms in last 24 hours?			
4. Patient was ambulatory at baseline prior to event?			
5. Blood glucose between 60 and 400?			
6. Exam (<i>look for obvious asymmetry</i>):	<u>Normal-Bilaterally</u>	<u>Right</u>	<u>Left</u>
• Facial Smile/Grimace	<input type="checkbox"/>	<input type="checkbox"/> Droop <input type="checkbox"/> Normal	<input type="checkbox"/> Droop <input type="checkbox"/> Normal
• Grip	<input type="checkbox"/>	<input type="checkbox"/> Weak Grip <input type="checkbox"/> Normal	<input type="checkbox"/> Weak Grip <input type="checkbox"/> Normal
	<input type="checkbox"/>	<input type="checkbox"/> No Grip <input type="checkbox"/> Normal	<input type="checkbox"/> No Grip <input type="checkbox"/> Normal
• Arm Weakness	<input type="checkbox"/>	<input type="checkbox"/> Drifts Down <input type="checkbox"/> Normal	<input type="checkbox"/> Drifts Down <input type="checkbox"/> Normal
		<input type="checkbox"/> Falls Down Rapidly <input type="checkbox"/> Normal	<input type="checkbox"/> Falls Down Rapidly <input type="checkbox"/> Normal

- Ask when “last seen normal” or without stroke symptoms.
- If “last seen normal” plus transport time is greater than twelve (12) hours, transport to the closest receiving hospital.
- If “last seen normal” plus transport time is less than twelve (12) hours, or a “wake-up stroke”, transport to closest NSRC.
- In San Bernardino County, if Stroke Scale is positive, initiate “Stroke Alert”, contact NSRC base hospital and transport immediately.
- If mLAPSS negative and stroke is still suspected, contact NSRC base hospital.
- Obtain and document on scene family phone number.
- Consider 12-lead ECG (ALS only).
- **Thrombolytic Assessment:** If time is available, and the patient or family can provide the information, assess the patient using the criteria listed below and report to ED personnel:

Thrombolytic Assessment Criteria	Yes	No
Onset greater than 4 hours?		
History of recent bleeding?		
Use of anticoagulant?		
Major surgery or serious trauma in the previous fourteen (14) days?		
Sustained systolic blood pressure above 185 mm Hg?		
Recent stroke or intracranial hemorrhage?		