



TERMINOLOGY for ACUTE STROKE TRIAGE and TRANSPORT

“STATstroke”

STATstroke means three things:

- Acute stroke diagnosis
- Within 6h of stroke onset OR stroke-on-awakening
- 1 or more “red” findings on the provincial stroke screen

“Red Findings”				
Grip	Arm	Leg	LOC	Speech
R – no grip	R – arm falls rapidly	R – arm falls rapidly	Responds to pain only	Incomprehensible or mute
L – no grip	L – arm falls rapidly	L – arm falls rapidly	Unresponsive	

A STATstroke is a possible case for acute stroke intervention with intravenous alteplase (tPA).

“LAMS 4-5”

The LAMS score assesses stroke severity on a scale from 0-5. A score of 4 or greater implies a possible candidate for endovascular intervention.

LAMS4-5 implies an acute stroke case for possible additional endovascular intervention.


“Red Referral”

Red Referral means:

- Urgent transport, or urgent case that requires emergency telemedicine or emergency transport.

Answer “yes” to the question about emergency transport for LAMS ≥ 4 ; answer “no” to the question about emergency transport for LAMS 1-3.

Alberta EMS Stroke Screen (STAT! Stroke and Red Findings)



Alberta Health Services

Stroke Screen

Place Label Here

Sample

EMS must obtain critical patient information on scene and complete the Stroke Screen en route.

Patient last seen neurologically normal		Patient name	Event number
Date (yyyy-Mon-dd)	Time (h:mm)		
History provided by <input type="checkbox"/> Patient <input type="checkbox"/> Family member <input type="checkbox"/> Other (specify) _____		Patient last seen by (witness name)	Witness phone
		History provider name	History provider phone

Complete Physical Examination Findings below, then continue with screening process →

Physical Examination Findings		
Level of Consciousness <input type="checkbox"/> Alert <input type="checkbox"/> responds to Verbal <input type="checkbox"/> responds to Pain <input type="checkbox"/> Unresponsive	Speech <input type="checkbox"/> Normal <input type="checkbox"/> Slurred <input type="checkbox"/> Incomprehensible or mute	Facial Smile <input type="checkbox"/> Normal <input type="checkbox"/> Right-Droop <input type="checkbox"/> Left-Droop
Arm Strength <input type="checkbox"/> Normal <input type="checkbox"/> Right-Drifts down <input type="checkbox"/> Left-Drifts down <input type="checkbox"/> Right-Falls rapidly <input type="checkbox"/> Left-Falls rapidly	Leg Strength <input type="checkbox"/> Normal <input type="checkbox"/> Right-Drifts down <input type="checkbox"/> Left-Drifts down <input type="checkbox"/> Right-Falls rapidly <input type="checkbox"/> Left-Falls rapidly	Hand Grips <input type="checkbox"/> Normal <input type="checkbox"/> Right-Weak grip <input type="checkbox"/> Left-Weak grip <input type="checkbox"/> Right-No grip <input type="checkbox"/> Left-No grip

Thrombolytic Criteria ✓ Yes No U/K On warfarin therapy at present Recent MI within 3 months Recent stroke within 3 months Recent trauma within 3 months Recent surgery within 3 months Recent bleeding (including GI) within 3 months Recent seizure activity within 24 hours	Is blood glucose level greater than 3.0 mmol/L? <input type="checkbox"/> No → Transport to closest medical facility <input type="checkbox"/> Yes → Continue screening process
EMS Care and Transport ✓ Yes No Was the nearest hospital bypassed? Was a patch placed to the receiving hospital? Was the patient transported lights and siren?	Is one or more red Physical Examination Findings checked? <input type="checkbox"/> No → Transport to closest medical facility <input type="checkbox"/> Yes → Continue screening process
Last seen normal to arrival at Primary or Comprehensive Stroke Centre less than 4.5 hours? <input type="checkbox"/> No → Continue screening process <input type="checkbox"/> Yes → STOP screening process - EMS Stroke Screen is positive. En route, provide early pre-notification to closest Primary or Comprehensive Stroke Centre and notify the triage nurse of an "Acute Disabling Stroke"	<div style="writing-mode: vertical-rl; transform: rotate(180deg);">Screening Process</div>
Last seen normal to arrival at Primary or Comprehensive Stroke Centre between 4.5 - 6 hours? <input type="checkbox"/> No → Continue screening process <input type="checkbox"/> Yes → STOP screening process. Treat and transport as per local stroke strategy guidelines	
Awoke with symptoms? <input type="checkbox"/> No → Transport to closest medical facility <input type="checkbox"/> Yes → Treat and transport as per local stroke strategy guidelines	

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White - Chart

Canary - EMS

Stroke Screen

LAMS (Los Angeles Motor Scale)

LOS ANGELES MOTOR SCALE (LAMS)				
	Normal	Right	Left	Total
Facial smile/grimace	┆ (0)	┆ Droop (1)	┆ Droop (1)	
Grip	┆ (0)	┆ Weak grip (1) ┆ No grip (2)	┆ Weak grip (1) ┆ No grip (2)	
Arm strength	┆ (0)	┆ Drifts down (1) ┆ Falls rapidly (2)	┆ Drifts down (1) ┆ Falls rapidly (2)	
				TOTAL Score