Alberta Health Services

EMS Stroke Screen

EMS must obtain critical patient information and complete this form on scene

Patient last seen neurologically normal	Patient name	Event number
Date *(yyyy-Mon-dd)* Time *(hh:mm)*		
History provided by ☐ Patient ☐ Family member ☐ Other *(specify)* _____	Patient last seen by *(witness name)* History provider name	Witness phone History provider phone

Complete **Physical Examination Findings** and **LAMS scoring,** then continue with **screening process**

Physical Examination Findings

Level of Consciousness	Speech
☐ Alert	☐ Normal
☐ Responds to Verbal	☐ Slurred
☐ Responds to Pain only	☐ Incomprehensible or mute
☐ Unresponsive	

Leg Strength
☐ Normal
☐ Right-Drifts down
☐ Left-Drifts down
☐ Right-Falls rapidly
☐ Left-Falls rapidly

Facial Smile   **LAMS**
Smile, show teeth, raise eyebrows and squeeze eyes shut
☐ Normal (0)
☐ Right-Droop (1)
☐ Left-Droop (1)

Arm Strength
Elevate with palm down and hold for 10 second count *(45 degrees if laying down, 90 degrees if sitting)*
☐ Normal (0)
☐ Right-Drifts down (1)
☐ Left-Drifts down (1)
☐ Right-Falls rapidly (2)
☐ Left-Falls rapidly (2)

Grip Strength
Have patient try to grasp examiners fingers
☐ Normal (0)
☐ Right-Weak grip (1)
☐ Left-Weak grip (1)
☐ Right-No grip (2)
☐ Left-No grip (2)

Total LAMS Score

Screening Process

Is blood glucose level greater than 3.0 mmol/L?
☐ No ⟶ Treat as per Adult Stroke MCP, then continue screening process
☐ Yes ⟶ Continue screening process

Is one or more **red** Physical Examination **Findings** checked?
☐ No ⟶ Transport to closest medical facility
☐ Yes ⟶ Continue with screening process

Patient last seen normal **less than 6 hours** ago or **awoke with stroke symptoms?**
☐ No ⟶ **STOP** screening process; Treat and transport as per local stroke strategy guidelines.
☐ Yes ⟶ EMS Stroke Screen is positive; Continue with screening process

Is the LAMS Score **4 or greater**?

☐ No ⟶ **STOP** Provide early pre-notification and rapid transport to the most appropriate Primary or Comprehensive Stroke Centre.

☐ Yes ⟶ **STOP** Call OLMC number and state: "I have a STAT Stroke patient with a LAMS Score of 4 or 5"

Los Angeles Motor Scale (LAMS) Scoring
1. Score the **affected side** using the values provided
2. Score Facial Smile, Arm Strength and Grip Strength
3. Calculate Score (0-5)

A score of 4 or greater is predictive of large artery occlusion

Practitioner Name *(print)*	Practitioner Signature	Date *(yyyy-Mon-dd)*