

## Acute Stroke Care Map for Emergency Departments at Non- Stroke Centres

**Goal:** Disposition decision within 15 minutes (THAT IS: from patient Arrival  $\rightarrow$  decision if Transferable = 15 minutes)

Imme	diate Assessment and	Actions			Time	Initials
Complete Primary Survey/As	sessment:					
Document on Triage and Emergency Department Record (CLI.5110.PL.005.FORM.01)						
Check Blood Glucose (if blood glucose [BG] is low, treat and assess patient for stroke once the						
	blood glucose level is back within an acceptable range).					
	*** Low normal BG = 3.3 mmol/L and high normal = 12 mmol/L.					
Check for Health Care Directive (			• • •			
	eening for Hyperacut					
Determine when Last Seen Norma			• •	0		
Scale (LAMS); and determine if pa				agulant (	NOAC/D	OAC).
Date and Time of onset of syn	•	-				
Does patient meet treatment						
Cincinnati Stroke Scale (CSS):				•		se signs
are present, the patient is pos	•		•			
Los Angeles Motor Scale (LAN	/IS): assess facial droo	p, arm di	rift, and grip strengt	h. Gener	ate a sco	ore for
each sign, as indicated next to	-					
the scores and enter the total	LAMS score (which ca	in range	from 0 to 5). LAMS i	s used by	/ neurol	ogists
to determine the severity of t	he stroke and the mos	st approp	oriate stroke interve	ntion.		
Assess	Absent/Negative	Pr	esent/Positive	Score	Time	Initial
acial Smile/Droop: Have the patient	Both sides of face	One s	side of face does not			
show their teeth or smile	move easily	move at all				
	= 0 LAMS		LAMS			
Arm Drift: Have the patient close their	□ Both arms move		e arm drifts down			
eyes and hold their arms straight out in	equally or not at all		slowly = 1 LAMS One arm falls down rapidly = 2 LAMS			
front of them for 10 seconds. Compare	= 0 LAMS					
arm movement. Speech (only for CSS): Have the	□ Client uses correct	Тар	iluly – 2 LAIVIS			
patient say <b>"You cannot teach an old</b>	words with no	Slurred or inappropriate words or mute		NA		
dog new tricks"	slurring					
Grip Strength (only for LAMS): Have						
the patient squeeze examiner's index	□ Normal and equal		eak grip = 1 LAMS			
and middle fingers	= 0 LAMS	□ No	grip = 2 LAMS			
If any of these signs are positive, <b>Triage (</b>	CTAS level 1		Total LAMS Score			
Is patient on Rivaroxaban (Xarel	to). Apixaban (Eliquis).	Dabigatra	n (Pradaxa), or Edoxa	ban		
(Lixiana)? These are referred to a						
□ Yes □ No						
A. Evaluate if patient meets time line	e of 6 hours or less from	n onset of	symptoms/LSN			
☐ If yes, follow nursing actions						
□ If no, follow nursing actions in						
B. PHYSICIAN ON-SITE:						
	n is not within hearing di	stance		10-680 EE	50) and 1	equert
<ul> <li>Call "Code 25 Stroke" if physician is not within hearing distance.</li> <li>Physician to contact on call Neurologist by calling HSC</li> <li>Call MTCC (1-800-689 transfer to stroke cen</li> </ul>					-	-
Physician to contact on call N	eurologist nv calling i	<b>1</b> .5U.	tranctor to ctro	ke centra	as dirort	
Physician to contact on call N Priority Paging at 1-204-787-3		пэс	transfer to stro Neurologist.	ke centre	as direct	eu by



Keep patient NPO.

## Acute Stroke Care Map for Emergency Departments at Non- Stroke Centres (cont.) **C. NURSING ACTIONS:** PRIORITY of CARE of PATIENT WHO MEETS 6 HOUR CRITERION for Time Initial HYPERACUTE STROKE INTERVENTIONS is PROMPT PATIENT TRANSFER Call MTCC (1-800-689-6559) and request transfer as per Stroke Protocol. **If the physician is NOT on site:** After transfer arrangements and patient care completed, Contact on-call Physician to inform of events and provide report. Find out from EMS or Physician if on site which stroke centre patient is being transported to. Contact that Stroke Centre and provide verbal report. □ BRHC □ BTHC □ PDGH □ HSC □ SBH □ Other Do not delay transfer waiting on paper work, lab results or to perform any task. □ Send any lab samples with patient (see directions in section D). □ Copy and send with patient or fax the *Manitoba Transfer Referral Form* and other applicable records to: BRHC BTHC PDGH HSC SBH Bethesda Regional Health Centre Emergency PH: (204) 326-6411 Fax: (204) 346-3767 Boundary Trails Health Centre Emergency: Fax: (204) 331-8874 PH: (204) 331-8800 Portage District General Hospital Emergency PH: (204) 239-2211 Fax: (204) 856-7028 Health Science Centre Emergency: PH: (204) 787-3160 Fax: (204) 787-5134 St. Boniface Hospital Emergency: PH: (204) 237-2260 Fax: (204) 237-2268 Ensure that the witness to the patient's onset of symptoms and/or last time seen normal is available for the emergency physician to contact. If possible, the witness should go to the stroke centre. Phone number: \_\_\_\_\_ Witness name: Next of Kin name: Phone number: D. NURSING ACTIONS: CARE OF PATIENT WHO MEETS 6 HOUR CRITERION FOR HYPERACUTE STROKE INTERVENTIONS WHILE AWAITING EMS TRANSFER Time Initial Neurovitals every 15 minutes. Continuous cardiac monitoring. Do not delay transfer waiting for paper work or to complete tasks 12 lead EKG Draw blood samples If time permits: Establish IV If able to draw blood, obtain samples for: CBC, CK, Troponin, aPTT, INR, Glucose, Urea, K, Na, Creatinine, Chloride, AST, ALT; Type & Screen; Pregnancy screen for females under 50 years of age (blood). NB: Tubes to be used for blood samples are: tall lavender; lavender; light green; blue; red tops Ensure that each tube is labelled with: Patient's first and last name, PHIN #, and time sample collected or it will not be processed. Oxygen Therapy: O2 at L/min to keep saturation levels between 94% and 98%. ■ For patient who is conscious and has no injuries, elevate the head of bed 30 degrees. ■ For patient who is unconscious and has no injuries- place in lateral recumbent position towards paralyzed side with head and shoulders slightly elevated.

■ Keep patient on bed rest. Acute Stroke Care Map for Emergency Departments at Non-Stroke Centres CLI.4110.PL.013.FORM.01 December 31,2020



## Acute Stroke Care Map for Emergency Departments at Non- Stroke Centres (cont.)

E. NURSING ACTIONS: CAR CRITERION FOR HYPERA	Time	Initial		
Have physician assess and co still decide that the patient c				
Arrange for CT as soon as po				
Monitor Vital Signs and Neur				
Establish continuous cardiac				
Establish IV	12 lead EKG	Draw blood samples		
Draw blood samples for CBC, CK, Troponin, aPTT, INR, Glu LDL, HDL, Triglycerides, Total cho (urine and blood). NB: <u>Tubes</u> to be used for red tops Ensure that each tube is Patient's first and last n processed.				
Establish Oxygen Therapy: Ke For patients with COPD, main				
Elevate the head of bed 30 d				
For patient who is unconscio towards paralyzed side with				
Keep patient NPO pending the results.				
Keep patient on bed rest.				
Post CT: Patient to return to Follow Stroke Standard Orde (CLI.4110.PL.013.FORM.02) of Assessment and Standard Or				
Arrange for admission to a st processes.				