HYPERACUTE STROKE ALGORITHM FOR STROKE CENTRES

Southern Health Santé Sud

EMS Pre Notifies Stroke Centre
OR
Patient presents to
Emergency Department.
Triage CTAS Level 1.

ED Registration Clerk:
- Page overhead "Code 25 Stroke"
- If known, include "ETA ____ hour"
- Pre-notify Stroke Team (telestroke neurology, CT tech, Lab tech, and Radiologist)

Key Point:
Door to CT – ASAP

Upper limit within 15 min of arrival
** TIME IS BRAIN

On Arrival
Initiate *Stroke Centres Emergency Standard Orders* (CLI.4110.PL.013.FORM.07).
Confirm time of onset of disabling stroke symptom to be less than 6 hours.

Patient for Diagnostic Imaging ** accompanied by nurse (follow Shared Health/Soins Communs protocols)
Based on CT/CTA Results

If brain imaging indicates bleed or subarachnoid hemorrhage:
Consult neurology and provide recommended care.

Brain imaging shows ischemic infarct per ASPECTS and Radiologist

If no evidence of an infarct on CT and no persistent disabling deficits, go to *Minor Stroke/Transient Ischemic Attack (TIA): Risk Assessment and Standard Orders* (CLI.4110.PL.013.FORM.03)

Decision to treat:
Alteplase (tPA) criteria met

Key Point:
Door-to- needle target within 30 min of arrival

Upper limit within 60 min of arrival
TIME IS BRAIN

YES

Initiate *Stroke Centres Alteplase (tPA) Standard Orders* (CLI.4110.PL.013.FORM.10)
- Bolus + Infusion.
- Neuro vitals and monitoring.
- NO antithrombotic x 24 hours.
- Provide *Role of Alteplase (tPA) in Stroke Care: Information for Patients and Family (Bilingual)* (CLI.4110.PL.013.SD.03).
- Manage any complications.

NO

Go to *Stroke Standard Orders: No Alteplase (tPA) / Post Alteplase (tPA)* (CLI.4110.PL.013.FORM.02)

Refer to *Stroke Algorithm for Suspected Intracranial Hemorrhage (ICH) During and Post Alteplase (tPA) Infusion Algorithm* (CLI.4110.PL.013.SD.04)

- Monitor in special care unit or emergency department for a minimum of 24 hours.
- Repeat non-contrast CT at 24 hours.
- Transfer to In-Patient Unit.

Refer to *Management of Angioedema Caused by Alteplase (tPA) use in Acute Ischemic Stroke* (CLI.4110.PL.013.SD.05)

Go to
Stroke Standard Orders: No Alteplase (tPA) /Post Alteplase (tPA)