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	Centre des sciences de la santé de Kingston	February 4, 2021	
Со	ntingency Plan: Best Practices Guide for Post Thrombolysis/EVT care ir	n Acute Stroke Unit	
Hyperacute Stroke Best Practices			
•	 Recognize stroke symptoms & respond immediately-follow Acute Stroke Protocol (ASP) Patients with ischemic stroke may be eligible for Endovascular Thrombectomy (EVT) up to 24 hrs after stroke symptom onset and/or thrombolysis within 4.5 hrs of symptom onset as per highly selective clinical & neurovascular imaging criteria <u>tPA or TNK</u>: Thrombolysis(clot busting) IV medications <u>EVT</u>: Procedure in IVR involving arterial catheterization & removal of large clot(s) promoting reperfusion by recanalization of cerebral artery(s). Catheter with retrievable stent +/- aspiration device is inserted into an artery (femoral) up to intracranial occlusions → pulls out clot(s) 	<complex-block></complex-block>	
	Exclusion Criteria for Care in Acute Stroke Unit (ASU) Post Thromb	olysis/EVT	
↑ No Thư LO	 severe stroke. NIHSS remains ≥ 10 post tPA/TNK or EVT EVT + tPA/TNK combination Persistent high blood pressure requiring ongoing IV medication or persistent hypote vasopressor/inotrope support Neurological deterioration Arrhythmia or myocardial infarction requiring continuous close cardiac monitoring Hyperglycemia requiring IV Insulin Internal Stroke Protocol (depends on admission dx and comorbidities) Other reasons for ongoing critical care in an ICU as per Attending physician Post Thrombolysis/EVT: What Care is Different from Usual Stroke Vital signs & neuro assessment [Canadian Neurological Scale (CNS)] q 15 min x 2 hratify MD if CNS >1 or neurological change. ese patients are ↑ed risk of hemorrhagic transformation; Monitor for signs of ↑ICC, neuro status, B/P, HR, respiratory pattern, new headache, nausea/vomiting). 	Unit Care? $s \rightarrow q 60 \min x 22 hrs.$ recarrow (e.g., changes in)	
•	 Follow IV anti-hypertensives orders e.g., IV labetalol (or hydralazine if HR < 50 beats/min). Notify MD if > 3 doses of labetalol given within 2 hrs to consider labetalol infusion & possible trsf to D4ICU Report hypotension- SBP < 110 mmHg or DBP < 60 mmHg (may be bleeding) 		
 Monitor for signs of systemic bleeding (e.g., GI, GU, oral, skin, retroperitoneal, groin site). No arterial puncture, intramuscular injection or invasive procedure x 24 hrs post thrombolysis medication. Monitor for facial, tongue, pharyngeal Angioedema post tPA/TNK at 30, 45, 60 & 75 min → q4 -6 h x 24 hrs. If signs of angioedema, contact MD immediately + administer diphenhydramine, famotidine & methylprednisolone, as ordered. 			
Ca Re Scr Sp	diac Monitoring at least 24 hrs–high incidence of acute coronary syndrome & arrhy port atrial fibrillation/flutter & other cardiac arrhythmias e.g., tachycardia, bradycar een & report subtle changes -prolonged QT interval, sinus pause, etc. D₂ monitoring at least 24 hrs to identify hypoxia & early complications (e.g., aspirati gioedema). Keep SpO2 \geq 92% or as ordered (e.g., \geq 88% if CO ₂ retainer).	dia, or heart blocks.	
Monitor fluid balance & ensure hydration with IV fluids. Keep patients NPO until dysphagia screening (STAND or SLP assessment) is done between 8-24 hrs + when patient is alert & can sit upright.			
 Bed rest x 24 hrs. If post EVT (only), bed rest x 6 hrs & maintain supine, with HOB not elevated more than 30°, with punctured limb at rest, & puncture site visible for 6 hrs post sheath removal. Monitor EVT sheath site. Angio-Seal is placed at femoral site in IVR. Monitor site (bleeding or hematoma), distal subsequences. 			
	tal pulses, & limb viability q15 min for 1hr \rightarrow q30 min for 3 hrs \rightarrow q shift until dischar, LD Antiplatelet Therapy & VTE Prophylaxis until 24 hour follow-up CT head confirms a	-	
Continue other stroke care best practices e.g., temperature control < 37.5, glucose monitoring-avoid &			
*	at hypoglycemia & hyperglycemia, seizure monitoring, & assess Foley catheter rem f deterioration noted during assessment/monitoring, report immediately to MD (deterioration or systemic hemorrhage, the following may be ordered – GTAT CT head, blood work (CBC, PTT, PT, INR & fibrinogen) & cryoprecipitate. Reminder: Contact & link regularly with Interprofessional Acute Stroke Team.		
	STROKE RESOURCES		

• Ischemic Stroke Thrombolysis/EVT Order Set & Care Guidelines (located on KHSC Intranet→ Clinical Resources)

Canadian Stroke Best Practices: <u>https://www.strokebestpractices.ca/</u> & Stroke Network of Southeastern
 Ontario best practice & education resources: <u>https://www.strokenetworkseo.ca/best-practice-and-education</u>