KISS ACUTE ISCHEMIC STROKE ORDERS & TRANSPORT PROTOCOL

Stroke Workup		
 Date / Time patient last known well: Vital Signs: Minimum of every 15 minutes (with continuous O2 and cardiac monitoring) 		
○ O2 at 2 liters per nasal cannula: titrate for SpO2 of 94% or greater		
Two peripheral IV's (18 gauge preferable, one in AC) <u>Labs:</u> CBC, BMP, PT/INR, PTT, Blood Glucose, Troponin, and pregnancy test if applicable (*to save door to needle time, you may		
give tPA prior to the lab results back if patient has no HX of major liver, renal or bleeding issues and is not on Warfarin or NOAC) POC labs acceptable Diagnostic: CT Head Without Contrast (notify radiologist for STAT read); EKG		
Strict NPO		
 ☑ NIH Stroke Scale Score: ☑ Complete tPA Checklist : 		
Patient meets IV thrombolytic criteria, proceed with orders belowConsult with Stroke Specialist obtained		
□ IV Thrombolytic contraindicated due to (cross through orders below)		
Notify Dispatch / Transport Team Best Family Member Phone Number – cell		
<u>PRE- IV THROMBOLYTIC</u> ⊠ Monitor BP every 15 minutes. Keep BP < 185/110mmHg		
 Labetalol 10 mg IVP (may repeat x 1). (Hold for HR < 60) 		
 Nicardipine gtt. 5 mg/hr to max of 15 mg/hr Or Antihypertensive agent of your choice 		
Obtain verbal consent.		
Weight in kilograms (if unable to weigh, obtain from patient/family or average 2 estimated weights)		
IV THROMBOLYTIC PREP / ADMINISTRATION Calculations Checked by: (2 initials) &		
Activase (alteplase):		
 <u>Mix alteplase</u> with sterile water as provided by manufacturer to a concentration of 1 mg/mL <u>Calculate</u> Total Dose (bolus + infusion) (0.9 mg/kg) = (max of 90 mg) 		
\boxtimes Waste unneeded tPA portion (100 mg – total dose) = mg.		
Administer Bolus Dose (10% of total dose) over 1 minute IV push (total dose x 0.1) =mg. ○ Time Given:		
Administer Infusion Dose as a secondary infusion over 1 hour.		
 Infusion Dose: 90% of total dose (total dose x 0.9) =mg. / Time Started: Flush alteplase remaining in IV tubing with NS (use same rate as alteplase infusion). 		
OR		
TNKase (<i>tenecteplase</i>):		
Calculate Dose (0.25 mg/kg) = (max of 25 mg or 5 mL)		
 Withdraw appropriate volume of dose and discard remainder Flush IV line with saline before and after tenecteplase administration 		
Administer Dose over 5-10 second IV push / Time Given:		
DURING INFUSION / POST INFUSION / TRANSPORT PREPARATION:		
 Monitor Vital Signs every 15 minutes. Keep SBP <180mmHg, DBP <105 mmHg, (stop thrombolytic if unable to maintain SBP <180 or DBP <105 constantly) 		
 Labetalol 10 mg IVP (may repeat x 1). (Hold for HR < 60) Nicordining att. 5 mg/br to may of 15 mg/br. 		
 Nicardipine gtt. 5 mg/hr to max of 15 mg/hr Keep SBP > 100: May try NS 500ml IVF bolus as an initial option 		
Monitor Neuro Checks every 15 minutes.		
 If sudden change in baseline mental status, acute headache, or vomiting, STOP infusion. See Page 2 or "Emergent Adverse Events Post-Thrombolytic Therapy Guidelines" 		
Monitor for Adverse Reactions e.g. Angioedema (follow anaphylactic management or protocol) or Hemorrhagic Complications (Abdominal and/or flank pain, hemoptysis, hematemesis, shortness of breath/rales/rhonchi)		
 If noted, STOP IV Thrombolytic infusion & See Page 2 or "Emergent Adverse Events Post-Thrombolytic Therapy 		
Guidelines" CAUTIONS		
NO Anticoagulation or Antiplatelet Therapy for 24 hours		
 No Foley insertion/re-insertion, central venous line placement or arterial puncture at a non-compressible site for at least 24 hours after IV Thrombolytic 		
 Avoid insertion of nasogastric tube for 6-8 hours after IV Thrombolytic administration 		
Send copy of CT Head Scan (do not delay transport-report can be faxed)		
Send patient records with documentation of allergies, current medications, past medical history (can be faxed) **all that is needed is the EMTALA paperwork with patient—DO NOT DELAY TRANSFER FOR COPY OF RECORDS		

Emergent Adverse Events Post Thrombolytic Thera	py Guidelines	
Symptomatic intracranial bleeding occurring within 24 hours after administration of		
THROMBOLYTICS		
 Stop alteplase infusion CBC, PT (INR), aPTT, fibrinogen level, and type and cross-match Emergent CT Head without contrast Cryoprecipitate: 10 Units infused over 10-30 minutes; Administer additional dose for fib Tranexamic acid 1000 mg infused over 10 minutes OR aminocaproic acid 4-5 grams ov until bleeding is controlled Consult Hematology & Neurosurgery or consider transfer to facility with these services Supportive therapy, including BP management, ICP, CPP, MAP, temperature and gluco 	ver 1 hours, followed by 1 gram IV	
MANAGEMENT OF OROLINGUAL ANGIOEDEMA ASSOCIATED WITH IV ALTEPLASE	E ADMINISTRATION FOR AIS	
 Maintain Airway Endotracheal intubation may not be necessary if edema is limited to anterior tong Edema involving larynx, palate, floor of mouth or oropharynx with rapid progression requiring intubation Awake fiberoptic intubation is optimal. Nasal-tracheal intubation may be required alteplase. Cricothyroidotomy is rarely needed and also problematic after IV alteplate 	on (within 30 min) poses higher risk of but poses risk of epistaxis after IV	
 Discontinue IV alteplase infusion and hold ACE inhibitors Administer IV methylprednisolone 125 mcg Administer IV diphenhydramine 50 mg Administer ranitidine 50 mg IV or famotidine 20 mg IV If there is further increase in angioedema, administer epinephrine 0.3 mL SQ or by neb Icatibant 3 mL (30 mg) SQ in abdominal area; additional injection of 30 mg may be admexceed a total of 3 injections in 24 hours; and plasma-derived C1 esterase inhibitor has be angioedema and ACE inhibitor-related angioedema Supportive Care 	ninistered at intervals of 6 hours not to	
Telephone order from Dr	PATIENT IDENTIFICATION	
ursing signature: Date: Time:		
ovider Signature: Date: Time:	TEMPLATE	