Patient Name: MRN:

Ischemic Stroke Alteplase Intravenous Administration Orders									
☐ Admit to: ☐ MICU ☐ Stroke Unit/Neuro Step-down Un									
Secondar	y diagnoses:		Allergies:		Weight:				
	 □ Patient/family informed of benefits and risks of Alteplase including symptomatic intracranial hemorrhage rate of 6.4%. □ Symptom onset between 3 to 4.5 hours: Consent obtained from patient/family 								
Symptom	onset between 5 to 4.5 no	urs. Con	sent obta	med from patient/it	y				
CONTRAINDICA	ATIONS to ALTEPLASES	(Check b	ox if app	licable)	1	WARNINGS			
☐ Evidence of ICH on pre-treatment CT ☐ History			istory of	intracranial or	☐ Glucose <	50 or > 400 mg/dl			
\square SBP > 185 or DBP > 110 mmHg, despite		e sp	spinal surgery, head trauma,		☐ Seizure at	onset of stroke symptoms			
treatment			or stroke (< 3 months)			risk of bleeding due to			
☐ Suspicion of subarachnoid hemorrhage☐ History of intracranial hemorrhage			☐ Recent major surgery or trauma [excluding head		co-morbio	tancy < 1 year or severe			
☐ Known arteriovenous malformation or			trauma [excluding nead trauma] (< 15 days)			illness or Comfort			
aneurysm		□ R	☐ Recent arterial puncture at			Only on admission			
☐ Active interna		no	non-compressible site			provement or stroke			
	0,000; PTT > 40 sec after or PT > 15 or INR > 1.7				severity to	o mna nbar puncture (<7 days)			
	eding diathesis				- Recent in	nour puncture (duys)</td			
	<u> </u>								
Alteplase (Activase®) Initiation Order					WARNING	<u>S</u>			
100 mg/100 ml storile meter IV infersion m 1 dese			0	[Note: do NOT use cardiac dosing]					
☐ 100 mg/100 mL sterile water IV infusion x 1 dose			C	(Note: do NOT exceed a Total dose of 90 mg)					
$\underline{\text{Total dose}}: 0.9 \text{ mg/kg x } \underline{\qquad} \text{kg} = \underline{\qquad} \text{mg}$				For suspected bleeding complication/ deterioration of neuro status:					
Bolus: (10% o	f total dose): mg IV	7 over 1 m	inute		mmediately, Notify				
<u>Dolas</u> . (1070 0	via smart infusion pur				o R/O intracranial h				
	-			Obtain CBC, platelet count, INR, PT, PTT, fibrinogen, D-dimer, glucose, BUN, creatinine					
<u>Infusion</u> : (90% of	f total dose): mg I								
	via smart infusion pun	np (Max:	81 mg)	 Plan for blood and blood products transfusion: RBC, cryoprecipitate, platelets 					
				Table, eryoprees	prace, praceies				
Vital Signs Assessment Every:			BP Parameter Goal		Notify MD (917) 760 - 1568 for:				
Q 15 minutes x 2 l		Pre-Alte	eplase:	185/110 mmHg BP >185/110 mmHg during t-PA infusion					
Q 30 minutes x 6 l Q hour x 16 hours		Doct Al	ost –Alteplase: <180/105 mmHg		and SBP < 100 mmHg				
			_			_			
BP Management:	SBP >180mmHg and/or	DBP >105	mmHg:						
IV Bolus:						x 1 dose, then begin			
☐ Labetalol mg IV Push, repeat q 10 min x d			dose(s)	Nicardipine OR Nitroprusside continuous infusion as indicated below					
then start Labetalol continuous infusion as indicated				☐ Hydralazine mg IV Push q 20 min x dose(s),		1(-)			
		is indicate.	u below	•					
(HOLD if HI		is increase.	d below	then begin N	Nicardipine OR Nitr	oprusside continuous			
,	R < 60)			then begin I infusion as	Nicardipine OR Niti indicated below	oprusside continuous			
Continuous infusio	n orders: valid x 24 hrs, c	once conti	nuous inf	then begin I infusion as	Nicardipine OR Niti indicated below	oprusside continuous INUE bolus management			
Continuous infusio Medication	R < 60)	once conti		then begin I infusion as	Nicardipine OR Niti indicated below	oprusside continuous			
Continuous infusio	n orders: valid x 24 hrs, c	once conti	nuous inf Choose	then begin I infusion as	Nicardipine OR Nitr indicated below begins, <u>DISCONT</u>	INUE bolus management Recommended Titration Range 0.25-3 mg/min (titrate)			
Continuous infusio Medication Labetalol (TRANDATE®) Nicardipine (CARDENE®)	n orders: valid x 24 hrs, o	once conti	nuous inf Choose Diluent	then begin I infusion as susion management Start at	Nicardipine OR Nitrindicated below begins, DISCONT Goal Parameters SBP < 185	INUE bolus management Recommended Titration Range			
Continuous infusio Medication Labetalol (TRANDATE®) Nicardipine	n orders: valid x 24 hrs, c Standard Dilution 1:1 = 300 mg/300 mL	once conti	nuous inf Choose Diluent	then begin N infusion as susion management Start at mg/min	Nicardipine OR Nitrindicated below begins, DISCONT Goal Parameters SBP < 185 HOLD if HR < 60	INUE bolus management Recommended Titration Range 0.25-3 mg/min (titrate) Initial: 5 mg/hr, increase by 2.5 mg/hr to maximum dose			
Continuous infusio Medication Labetalol (TRANDATE®) Nicardipine (CARDENE®) Nitroprusside (NIPRIDE®)	R < 60) n orders: valid x 24 hrs, o Standard Dilution 1:1 = 300 mg/300 mL 20 mg/200 mL (premix	once contin	nuous inf Choose Diluent NS NS	then begin N infusion as s usion management Start at mg/min mg/hr mcg/kg/min	Nicardipine OR Nitrindicated below begins, DISCONT Goal Parameters SBP < 185 HOLD if HR < 60 SBP < 185 SBP < 185	INUE bolus management Recommended Titration Range 0.25-3 mg/min (titrate) Initial: 5 mg/hr, increase by 2.5 mg/hr to maximum dose 15 mg/hr			

Blood Glucose: Fingerstick every 6 hours • Treat glucose > 150 mg/dL: Regular Insulin Sliding Scale SQ x 24 hrs for FS:		NEURO CHECKS		
		• q 30 minutes x 1 hour, then q 2 hours x 23 hours		
151 – 200mg/dL	GIVE 2 units	Notify physician if there are any changes in neuro status		
201 – 250mg/dL	GIVE 4 units	or patient experiences a NEW severe headache		
251 - 300mg/dL	GIVE 6 units	Temperature q 4 hours		
301 - 350mg/dL	GIVE 8 units	• Acetaminophen 650 mg PO q 4 hours PRN Temp > 99 F, if pt unabl		
351 - 400mg/dL	GIVE 10 units	swallow administer PR x 24 hrs		
> 400mg/dL	GIVE 12 units & NOTIFY MD	Cooling blanket to keep temp <98.0 ° F		

RN	Name: Pate/Time: Date/Time:	
MI	D Name: Date/Time:	
8.	 Activity: Strict bed rest Keep head of bed 0-30° (ideally at 0° to maintain cerebral perfusion, if patient cannot tolerate can go up to 30°) Reposition every 2 hours 	
7.	Monitor for bleeding from puncture sites, urine, stool, emesis, other x 48 hrs.	
6.	No central lines, arterial punctures IVs or veni-puncture from hemi-paretic limb, other invasive procedures for 24 hours	
5.	Avoid bladder catheterization and nasogastric tubes for 24 hours, if not placed prior to Alteplase infusion	
4.	No aspirin, heparin, enoxaparin, warfarin, or other anticoagulant or antiplatelet agents for 24 hours	
3.	Diet/IV Fluids: ☐ Strict NPO (no meds) and water swallow assessment ☐ NPO, but can take oral meds if cleared to swallow by physician • IVF: Normal Saline @ mL/hr	
2.	 Other Monitoring: NIHSS score after completion of alteplase infusion by physician (or Stroke Unit nurse if patient in Stroke Unit) Strict I & O's, notify physician if urine output less than mL every 4 hours Cardiac and O₂ Sat monitoring: Respiratory Therapy: O₂ at liters per nasal canula non re-breather mask Initiate RT O₂ Protocol; keep O₂ Sat ≥ 95%. Notify physician if Patient requires O₂ > 5L/min via NC O₂ Sat <92% (always refer to patient's oxygenation history) Ventilator Management Protocol, when required 	
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