Saint Vincent Hospital at Worcester Medical Center NEUROLOGY DEPARTMENT

Cerebrovascular Disease Assessment Flow Sheet

TIME (use military time)			
Onset of symptoms or "last seen well" time (less than 3 hours in duration).	Physician performs a rapid, complete histo	ory and physical eyan	v NIH Stroke Scale score:
Patient arrives in ED with (or admitted patient develops) signs/symptoms of suspected CVA.	• • • •	• • •	
Lab phlebotomist will obtain and deliver to the lab: CBC, PT, aPTT, INR, CP7, HCG, Type & Screer			
Acute stroke team beeper is activated. (Goal: Beeper activation within 15 minutes of patient arriv	•		
NOLUSION ORTERIA (The second sec			
INCLUSION CRITERIA (<i>These statements <u>must all be true</u> in order to consider t-PA</i> Ischemic stroke onset within 3 hours of drug administration.	Patient's head CT scan does not show he		roka annea of deficit
☐ Measurable deficit on NIH Stroke Scale examination (see back of this form).	Patient's age is greater than 18 years.	mornage of nonsi	loke cause of deficit.
Clearly defined time of stroke onset (within 180 minutes).			
EXCLUSION CRITERIA (A YES to any of the following conditions or findings may e.	relude the nations from reactiving + BA. The ris	k/hanafit must ha	usished by the physician
<i>Check box if statement is true.</i>)	cciuae ine patieni from receiving i-PA. The ris	k/Denejii musi de v	vergnea by the physician.
HISTORY			
Patient's symptoms are minor or rapidly improving (examples of mild neurological s	ymptoms include ataxia alone, sensory loss al	one, dysarthria alc	ne or minimal weakness).
☐ Patient has had arterial puncture at noncompressible site or lumbar puncture within p	• • •	one, aj saranta ale	
Patient had a seizure at onset of stroke.	Patient has had gastrointestinal or urinar	v tract hemorrhage	within the past 21 days
☐ Patient has a contact of strong of strong of the past 3 months.	Patient has had a myocardial infarction v		
☐ Patient had major surgery or other serious frauma within past 14 days.	☐ Patient has a history of a bleeding disord		
Patient has known history of intracranial hemorrhage.	Patient has a history of diagnosed brain t		
Patient has symptoms suggestive of subarachnoid hemorrhage.	Pregnancy	union, cerebrar and	Surjoin of the loss
PHYSICAL EXAM			
Patient has sustained systolic blood pressure greater than 185 mmHg or diastolic great	ater than 110 mmHg (on 2 readings 15 minute	s apart and refract	ory to IV labetolol).
Aggressive treatment is necessary to lower the patient's blood pressure.	☐ Patient has an active bleeding site.	1	, <i>,</i> .
Positive hemoccult on rectal exam.			
Patient has received heparin within the past 48 hours and has an elevated aPTT (great	ter than 35 seconds).		
Patient's prothrombin time (PT) is greater than 15 seconds or INR greater than 1.5.	Patient's serum glucose is less than 50 m	ng/dL or greater th	an 400 mg/dL.
\square Patient's platelet count is less than 100,000/mm ³ .	Positive HCG.	8 8	8
RELATIVE CONTRAINDICATIONS (If any of the following statements is true, use	·		
Patient's head CT scan shows evidence of a large middle cerebral artery (MCA) territ	tory infarction (sulcal effacement or blurring of	of gray-white junct	ion in greater than
one-third of the MCA territory).			
Patient has a large stroke with NIH Stroke Scale score greater than 22.	Age greater than 85 years.		
All of the inclusion and exclusion criteria have been reviewed and the patient is a candid	late to receive t-PA. If NO, proceed to disposit	tion section.	Yes No
Neurologist (name:) calls back and discusses case with phy	sician caring for patient (Goal: within 15 min	utes of being calle	d). 🗌 Yes 🗌 No
• Patient has head CT scan performed (Goal: within 25 minutes of order being written).			🗌 Yes 🗌 No
• Physician obtains results of head CT scan from radiologist (Goal: within 20 minutes of	completion of scan).		🗌 Yes 🗌 No
• Physician obtains results of CXR, if CXR was indicated (Goal: within 45 minutes of ba	eing ordered).		🗌 Yes 🗌 No
• Physician obtains results of necessary lab studies (Goal: within 45 minutes of being or	dered).		🗌 Yes 🗌 No
If all criteria for t-PA administration are met, explain risks/benefits to patient and famil	y. Risks include death; stroke; permanent neu	rologic injury; wor	sening of stroke symptoms
from swelling or bleeding in the brain; bleeding other parts of the body; need for blood	l transfusions to replace blood or clotting factor	rs; other unexpecte	d complications.
Obtain written informed consent, if possible.			
Pharmacy is called to order t-PA (Pharmacy staff will need patient's name, weight an	d medical record number).		
Patient's estimated/stated weight: Calculated dose for tPA:	_ mg. t-PA arrives in the Emergency Departm	ient.	
If onset of stroke is still less than 3 hours, start tPA at 0.9mg/kg (but not exceeding 9	Omg) with 10% as bolus dose & the remainder	r given over the fol	llowing hour.
T-PA administration is started (Goal: within 60 minutes of patient arrival).			
Monitor for unexpected bleeding: (see Stroke Management Policy) Intracranial Hem-	orrhage Algorithm if patient develops signs/sy	mptoms of bleeding	ng.
Maintain blood pressure less than 180/110.			
Patient receiving t-PA must not receive antithrombotic or antiplatelet agents for 24 he	purs (e.g., aspirin).		
DISPOSITION			
Admit to: ICU bed INursing Unit:	Home/Other:	AN	MА
Comments:			
Physician's Signature & Credentials:	Printed Name:	Date:	Time:

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Cerebrovascular Disease Assessment Flow Sheet

CATEGORY	DESCRIPTION				INITIAL SCORE	REASSESS. SCORE if indicated
1a. Level of Consciousness	0 = Alert	1 = Drowsy	2 = Stuporous	3 = Coma		
1b. LOC Questions (month, age)	0 = Answers Both Correctly	1 = Answers One Correctly	2 = Both Incorrect			
1c. LOC Commands (open/close eyes, make fist/let go)	0 = Obeys Both Correctly	1 = Obeys One Correctly	2 = Both Incorrect			
2. Best Gaze (eyes open; pt. follows finger or face)	0 = Normal	1 = Partial Gaze Palsy	2 = Forced Deviation	on		
3. Visual (introduce visual stimulus to pt.'s visual field quadrants)	0 = No Visual Loss 2 = Complete Hemianopia	1 = Partial Hemianopia 3 = Bilateral Hemianopia				
4. Facial Palsy (show teeth, raise eyebrows, squeeze eyes shut)	0 = Normal	1 = Minor	2 = Partial	3 = Complete		
5a. Motor Left Arm (elevate extremity to 90° & score drift/movement)	0 = No Drift 3 = No Effort Against Gravity	1 = Drift 4 = No Movement	2 = Can't Resist Gr 9 = Amputation/Join	•		
5b. Motor Right Arm (elevate extremity to 90° & score drift/movement)	0 = No Drift 3 = No Effort Against Gravity	1 = Drift 4 = No Movement	2 = Can't Resist Gr 9 = Amputation/Join	-		
6a. Motor Left Leg (elevate extremity to 30° & score drift/movement)	0 = No Drift 3 = No Effort Against Gravity	1 = Drift 4 = No Movement	2 = Can't Resist Gr 9 = Amputation/Join			
6b. Motor Right Leg (elevate extremity to 30° & score drift/movement)	0 = No Drift 3 = No Effort Against Gravity	1 = Drift 4 = No Movement	2 = Can't Resist Gr 9 = Amputation/Join	•		
7. Limb Ataxia (finger to nose, heel to shin)	0 = Absent	1 = Present in One Limb	2 = Present in Two	Limbs		
8. Sensory (pinprick to face, arm, trunk & leg; compare side to side)	0 = Normal	1 = Partial Loss	2 = Severe Loss			
9. Best Language (name items, describes a picture, reads sentence)	0 = No Aphasia 2 = Severe Aphasia	1 = Mild to Moderate Aphasia3 = Mute				
10. Dysarthria (evaluate speech clarity by pt. repeating listed words)	0 = Normal Articulation 2 = Near to Unintelligible	1 = Mild to Moderate Dysarthria9 = Intubated or Other Barrier				
11. Extinction and Inattention (use info. from prior testing to identify neglect or double simultaneous stimuli testing)	0 = No Neglect	1 = Partial Neglect	2 = Complete Negle	ect		
INITIAL SCORE: Practitioner's Signature: Date: Tin					_ Time:	
REASSESSMENT SCORE:	Practitioner's Signat	ure:	E	Date:	_ Time:	

NIH STROKE SCALE