

**Thrombolytic Therapy with  
Alteplase (t-PA) for Ischemic  
Stroke**

Allergies: \_\_\_\_\_

Admit to: \_\_\_\_\_ Admit as: Inpatient  Observation

Diagnosis: \_\_\_\_\_ Age: \_\_\_\_\_ Weight: \_\_\_\_\_ Kg

**ADMINISTRATION OF ALTEPLASE (t-PA) INDICATED: (See Initial Orders for Adult Acute Stroke)**

1. Alert pharmacy immediately when considering alteplase for a stroke patient. Call with name and weight. \_\_\_\_\_ Kg
2. Start two saline locks if not already done, including one #16 gauge lock in antecubital fossa.
3. Begin alteplase at 0.9 mg/Kg with a maximum dose of 90 mg made as a 1 mg/ml solution. Give 10 percent of the dose as a bolus over one minute, then the remaining 90 percent over 59 minutes. (see attached table)

Bolus dose = \_\_\_\_\_ mg which is \_\_\_\_\_ milliliters bolus over one minute.

Remaining dose = \_\_\_\_\_ mg which is \_\_\_\_\_ milliliters over 59 minutes.

4. Alteplase start date and time \_\_\_\_\_
5. Vital signs with neurological checks are to be performed and documented before the initiation of alteplase therapy and every 15 minutes thereafter.
6. IF PRETREATMENT Systolic BP > 185 OR Diastolic BP >110 for 2 MINUTES call MD and proceed with the below:
  - a) Labetalol (Trandate®) 10 mg IV over 2 minutes, may repeat every 10 minutes x 3
  - b) If goal blood pressure of systolic BP < 180 and diastolic BP < 100 not achieved, apply nitroglycerin paste 1 inch
7. No anticoagulants or antiplatelets for the next 24 hours.
8. If the patient experiences a sudden decline in neurological status, or new onset of hemorrhage (GI, GU, etc.) STOP the infusion of alteplase and notify the Attending Physician immediately.

Physician Signature \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Patient Label

Thrombolytic Therapy with Alteplase for  
Ischemic Stroke

9/05

NS-0658

**Thrombolytic Therapy with Alteplase (t-PA)  
Guideline for Dosing with Ischemic Stroke**  
Reverse side

<b>Weight (kg)</b>	<b>Total Dose</b>	<b>Bolus Dose</b>	<b>Remaining Dose</b>	<b>Weight (kg)</b>	<b>Total Dose</b>	<b>Bolus Dose</b>	<b>Remaining Dose</b>
40.0	36.0	3.6	32.4	71.0	63.9	6.4	57.5
41.0	36.9	3.7	33.2	72.0	64.8	6.5	58.3
42.0	37.8	3.8	34.0	73.0	65.7	6.6	59.1
43.0	38.7	3.9	34.8	74.0	66.6	6.7	59.9
44.0	39.6	4.0	35.6	75.0	67.5	6.8	60.7
45.0	40.5	4.1	36.4	76.0	68.4	6.8	61.6
46.0	41.4	4.1	37.3	77.0	69.3	6.9	62.4
47.0	42.3	4.2	38.1	78.0	70.2	7.0	63.2
48.0	43.2	4.3	38.9	79.0	71.1	7.1	64.0
49.0	44.1	4.4	39.7	80.0	72.0	7.2	64.8
50.0	45.0	4.5	40.5	81.0	72.9	7.3	65.6
51.0	45.9	4.6	41.3	82.0	73.8	7.4	66.4
52.0	46.8	4.7	42.1	83.0	74.7	7.5	67.2
53.0	47.7	4.8	42.9	84.0	75.6	7.6	68.0
54.0	48.6	4.9	43.7	85.0	76.5	7.7	68.8
55.0	49.5	5.0	44.5	86.0	77.4	7.7	69.7
56.0	50.4	5.0	45.4	87.0	78.3	7.8	70.5
57.0	51.3	5.1	46.2	88.0	79.2	7.9	71.3
58.0	52.2	5.2	47.0	89.0	80.1	8.0	72.1
59.0	53.1	5.3	47.8	90.0	81.0	8.1	72.9
60.0	54.0	5.4	48.6	91.0	81.9	8.2	73.7
61.0	54.9	5.5	49.4	92.0	82.8	8.3	74.5
62.0	55.8	5.6	50.2	93.0	83.7	8.4	75.3
63.0	56.7	5.7	51.0	94.0	84.6	8.5	76.1
64.0	57.6	5.8	51.8	95.0	85.5	8.6	76.9
65.0	58.5	5.9	52.6	96.0	86.4	8.6	77.8
66.0	59.4	5.9	53.5	97.0	87.3	8.7	78.6
67.0	60.3	6.0	54.3	98.0	88.2	8.8	79.4
68.0	61.2	6.1	55.1	99.0	89.1	8.9	80.2
69.0	62.1	6.2	55.9	100.0	90.0	9.0	81.0
70.0	63.0	6.3	56.7	>100	90.0	9.0	81.0