

**REMINDER: ALL MEDICATION ORDERS REQUIRE DOSE, ROUTE, FREQUENCY AND INDICATION
DO NOT USE ABBREVIATIONS**

DOCTORS ORDERS <u>TPA PROTOCOL - (rTPA, ACTIVASE, ALTEPLASE)</u> FOR MYOCARDIAL INFARCTION	CHECK OFF/ INITIALS
1. CXR, CBC with platelets, PT, APTT, CMP, Type and Screen packed cells.	
2. CK-MB on admission and repeat in 3 hours, 12 hours and 24 hours AFTER INFUSION COMPLETED.	
3. EKG just prior to infusion unless done in ER and 1 hour after infusion completed and EKG on the next day.	
4. Place three (3) #18 gauge Intravenous catheters peripherally-connect to Heparin locks. No lines are to be discontinued the first 12-24 hours after TPA infusion.	
5. Nitroglycerin (Nitrostat®) 0.4mg sublingual X2, check for ST segment changes.	
6. Start Nitroglycerin Intravenous at 10mcg/minute and increase 10mcg/minute increments at 5 minute intervals to maintain systolic Blood Pressure between 100-120mmHg.	
7. Have patient chew (1) Baby Aspirin tablet (81mg) and start Baby Aspirin 1 (81mg) by mouth everyday.	
8. Attach noninvasive Blood Pressure monitor to one arm. Record Blood Pressure every 5 minutes during TPA infusion and at regular intervals thereafter.	
9. Reconstitute a 100mg vial of TPA with 100mL sterile water supplied in package (final concentration 1mg/1mL). Withdraw 15mg (15mL) and inject as intravenous bolus over two (2) minutes. Attach Intravenous infusion set to TPA vial and infuse 50mg (50mL) TPA over 30 minutes by setting infusion pump at 100mL/hour for 30 minutes. Then reduce infusion to 35mL/hour and infuse remaining 35mg (35mL) over 60 minutes. After TPA vial is empty, attach Intravenous Dextrose 5% in Water to infusion set to flush tubing.	
10. During TPA infusion, record a short rhythm strip with the highest ST segment every 10 minutes.	
11. Immediately after completion of TPA administration, give Heparin 5000 units Intravenous bolus and begin an infusion of Heparin 1,000 units/hour, and continue for at least 48 hours.	
12. APTT 6 hours, 12 hours and 24 hours after starting Heparin infusion. Call results if less than 65 or over 85.	
13. Hemoglobin and Hematocrit everyday X 3.	
14. No Intramuscular injections for 48 hours after TPA infusion is ended.	
15. Draw lab work via Heparin locks only x 48 hours.	
16. No arterial punctures x 48 hours.	

Physician/Date/Time:	Nurse/Date/Time:	Secretary/Date/Time:
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Full page of orders requires only one physician, one nurse and one clerical signature



Original to Patient's Chart

Fax to Pharmacy