



ACTION	<h2>Tenecteplase (TNK) STEMI Order Set</h2>
Allergies	
<input type="checkbox"/> NKA <input type="checkbox"/> Allergies confirmed within Meditech <input type="checkbox"/> New Allergies to be entered into Meditech: _____	
Indications for Tenecteplase	
1. <input type="checkbox"/> STEMI diagnosis AND 2. <input type="checkbox"/> Primary PCI not possible within 120 min from STEMI diagnosis AND 3. <input type="checkbox"/> Symptom onset within previous 12 hours	
Contraindications	
<ul style="list-style-type: none"> • Active bleeding (except for menstrual bleeding) • History of intracranial hemorrhage • History of ischemic stroke within 3 months • Significant closed-head or facial trauma within 3 months • Severe uncontrolled hypertension (SBP greater than 180 mmHg or DBP greater than 110mmHg) • Intracranial or intraspinal surgery or trauma within 2 months • Intracranial neoplasm, arteriovenous malformation or aneurysm • Suspected aortic dissection 	
Vitals/Monitoring	
<input checked="" type="checkbox"/> Continuous cardiac monitoring <input checked="" type="checkbox"/> Continuous SpO ₂ monitoring <input checked="" type="checkbox"/> Baseline Temp, HR, RR, BP, SpO ₂ and neurological assessment	
Post Tenecteplase administration:	
<input checked="" type="checkbox"/> HR, RR, BP, neurological assessment q15min x 1 hr, then q1h x 4; then q8h and PRN <input checked="" type="checkbox"/> Temp q _____ h <input checked="" type="checkbox"/> Pain Score q _____ h <input checked="" type="checkbox"/> Observe for signs of bleeding. If bleeding occurs, notify MRP <input checked="" type="checkbox"/> ECG 60 minutes after Tenecteplase dose and with any rhythm changes	
Lab Investigations	
<input checked="" type="checkbox"/> Draw blood from saline lock for 48 hours post TNK <input checked="" type="checkbox"/> CBC, Electrolytes, Creatinine, at baseline, then daily x 3 <input checked="" type="checkbox"/> Troponin q8h x 3, then daily x 2 days <input checked="" type="checkbox"/> Baseline PTT	

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Co-Signer Signature: _____	Date & Time _____	Scanner Signature: _____	Date & Time _____
		Transcriber Signature: _____	Date & Time _____

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Drains/Tubes		
For 24 hours post Tenecteplase administration: <input checked="" type="checkbox"/> No foley catheter insertion <input checked="" type="checkbox"/> No OG/NG tube insertion		
IV Therapy		
First site: <input checked="" type="checkbox"/> IV 0.9% Sodium Chloride TKVO Second site: <input checked="" type="checkbox"/> Saline Lock		
<input checked="" type="checkbox"/> No other IV insertion, arterial punctures or central line insertion for 24 hours post Tenecteplase administration		
Drug Therapy		
<input checked="" type="checkbox"/> ASA 160 mg PO crushed or chewed STAT, then ECASA 81 mg PO daily		
AND		
Age less than 75 years: <input type="checkbox"/> Clopidogrel 300 mg PO x 1 dose STAT, then 75 mg PO daily		
OR		
Age 75 years or older: <input type="checkbox"/> Clopidogrel 75 mg PO x 1 dose STAT, then 75 mg PO daily		
Tenecteplase Therapy		
<input checked="" type="checkbox"/> Flush tubing before and after Tenecteplase administration with 0.9% Sodium Chloride		
Reconstitute 50 mg Tenecteplase with 10 mL of provided diluent and syringe (= 5 mg/mL final concentration)		
Give as single bolus over 5 seconds by PHYSICIAN ONLY.		
Patient's Weight (kg)	Tenecteplase Dose	Reduced Tenecteplase Dose (consider for age 75 years and above)
Less than 60	<input type="checkbox"/> 30 mg (6 mL)	<input type="checkbox"/> 15 mg (3 mL)
60 to 69.9	<input type="checkbox"/> 35 mg (7 mL)	<input type="checkbox"/> 17.5 mg (3.5 mL)
70 to 79.9	<input type="checkbox"/> 40 mg (8 mL)	<input type="checkbox"/> 20 mg (4 mL)
80 to 89.9	<input type="checkbox"/> 45 mg (9 mL)	<input type="checkbox"/> 22.5 mg (4.5 mL)
greater than or equal to 90	<input type="checkbox"/> 50 mg (10 mL)	<input type="checkbox"/> 25 mg (5 mL)

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ACTION

Tenecteplase (TNK) STEMI Order Set

Anticoagulation Therapy

To start immediately following Tenecteplase bolus

Enoxaparin (patient age less than 75 years)

30 mg IV Bolus by PHYSICIAN ONLY (*or under direct immediate supervision*)

THEN 1 mg/kg _____ mg subcut q12h starting 15 min after bolus dose (max 100 mg/dose for 1st two doses only; then use full weight-based dose)

If CrCl less than 30 mL/min, decrease Enoxaparin administration to once daily

OR

Enoxaparin (patient age 75 years and above)

0.75 mg/kg _____ mg subcut q12h (max 75 mg/dose for 1st two doses only; then use full weight-based dose)

If CrCl less than 30 mL/min, change Enoxaparin to 1 mg/kg _____ mg subcut once daily

OR

Heparin 25,000 units/250 mL IV infusion (follow table for initial therapy)

Heparin 25,000 units/250 mL D5W

Patient's Weight (kg)	Bolus Dose (60 units/kg) Max. 4,000 units	Initial Infusion (12 units/kg/hr) Max. 1,000 units/hr	Rate (mL/hr)
<input type="checkbox"/> Less than or equal to 35	2,000 units	400	4
<input type="checkbox"/> 35 – 39	2,200 units	450	4.5
<input type="checkbox"/> 40 – 44	2,500 units	500	5
<input type="checkbox"/> 45 – 49	2,800 units	550	5.5
<input type="checkbox"/> 50 – 54	3,100 units	600	6
<input type="checkbox"/> 55 – 59	3,400 units	700	7
<input type="checkbox"/> 60 – 64	3,700 units	750	7.5
<input type="checkbox"/> 65 – 69	4,000 units	800	8
<input type="checkbox"/> 70 – 74	4,000 units	850	8.5
<input type="checkbox"/> 75 – 79	4,000 units	900	9
<input type="checkbox"/> greater than or equal to 80	4,000 units	1,000	10

First PTT at 3 hours after Tenecteplase dose

Notify physician if PTT less than 50. Adjust according to standard Heparin nomogram

Referral

Cardiology (between 8 am and 6 pm)

Internal Medicine

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