

----. . .



 A. Symptoms lasting longer than 20 minutes and less than 12 hours? B. i) 2mm of ST elevation in two or more contiguous precordial (chest) leads; or 					
 B. I) 2mm of ST elevation in two or more contiguous pr ii) 1mm of ST elevation in two or more limb leads; or 					
iii) A presumably new LBBB?					
f both 'YES' refer to Reperfusion Options below	Septal MI (≥2mm ST [↑] V1, V2)				
f ST elevation present in any one inferior lead (II, III, aVF) o ST depression present in V1 & V2, consider obtaining a 15 lo	Anterior MI ($\geq 2mm ST^{\uparrow} V3, V4$)ead ECGInferior MI ($\geq 1mm ST^{\uparrow}$ in at least 2 leadsLateral MI ($\geq 1mm ST^{\uparrow}$ in at least 2 leads				
STEMI Management					
General care of STEMI patient					
 Oxygen (to target SpO2 between 94-99%), ASA, Nitroglyd 	cerin, Morphine as per ischemic chest pain guidel	ines			
Obtain 2 IVs (if possible); preferably 18 gauge in LEFT arr	n (1 line and 1 lock)				
Reperfusion Options					
A. Direct-to-PCI:					
TEMI patient and time from diagnostic ECG to QEII 60 min	utes or less?	Yes	No		
If yes, transmit 12 lead to QEII, contact charge MD and discu	uss the following with the emergency physician				
 Identify yourself, registration level, call location, and rea 					
 Confirm receipt of ECG and ensure ECG matches the patient 					
Agree on interpretation					
 Discuss patient signs and symptoms and vitals 					
 Discuss if the patient has: Sorious systemic disease (terminal so merhidity) 	u that will limit lifesnan loss than one year?	Voc	No		
i) Serious systemic disease / terminal co-morbidity	y that will limit lifespan less than one year?	Yes	No		
ii) Severe dementia? iii) Prior CABG?		Yes Yes	No No		
	Please let QEII physician know if	res	NO		
 Discuss back up plan in the event of complications 	the patient has a latex allergy				
Provide ETA to ED					
 If going direct-to-PCI - Administer 300mg PO Plavix (Clop 	idogrel)				
 If time allows, complete 'Exclusion criteria for fibrinolysis 	s' section (below)				
Not Direct-to-PCI candidate? Consider fibrinolysis (go to Rep	perfusion Option B)				
O	R				
B. Early Fibrinolysis:					
STEMI patient and time to PCI lab more than 60 minutes or	patient not candidate for PCI				
Exclusion criteria for fibrinolysis:					
i) Active bleeding or known bleeding/clotting diso	rder or on blood thinners	Yes	No		
	dabigatran (Pradax), rivaroxaban (Xarelto)]?				
ii) Recent (within 6 wks) major trauma, surgery (in		Yes	No		
iii) History of stroke, TIA, severe dementia or struct		Yes	No		
	umor, AV malformation, aneurysm)?				
iv) Significant closed head / facial trauma within last three (3) months?			No		
v) Significant hypertension (SBP > 180 or DsBP > 110) at any time from presentation?			No		
vi) Right arm versus left arm SBP difference of 15 mmHg?		Yes	No		
vii) Prolonged (greater than 10 minutes) CPR?		Yes	No		
viii) Cardiogenic shock (relative contraindication – w	yould do best with PCI; consult with MD)	Yes	No		
If fibrinolysis candidate:	Discussion with Emergency Physician for fibrinolysi	<u>s</u>			
if fibrinolysis candidate:	Identify yourself, registration level, call location, and reason for ca				
Transmit 12 lead to regional hospital	(possible fibrinolysis candidate)				

•

•

•

•

•

•

•

Agree on interpretation

Provide ETA to ED

Confirm no exclusion criteria

Confirm receipt of ECG and ensure ECG matches the patient

Discuss patient signs and symptoms and vitals

Discuss back up plan in the event of complications

Confirm appropriate destination choice

Consult MD with information as outlined here

Obtain consent from patient

Proceed with management

•

•

•

Reperfusion Checklist v2.3 May 15, 2013

Consent to Treat With Pre-Hospital Fibrinolysis

You are having a heart attack resulting from a blocked artery in your heart caused by a blood clot. It is important that the blocked artery is opened. The medications we can provide in an attempt to re-open your blocked artery include aspirin, blood thinners, and a clot dissolving drug.

Your ECG has been sent to the Emergency Department and has been reviewed by Dr. _____. I have also spoken to Dr. ______ on the phone and discussed your signs and symptoms. The Doctor confirmed that you are having a heart attack and has recommended that we begin treatment prior to you arriving in hospital. The reason for the treatment prior to arrival is to reduce the amount of damage occurring to your heart muscle.

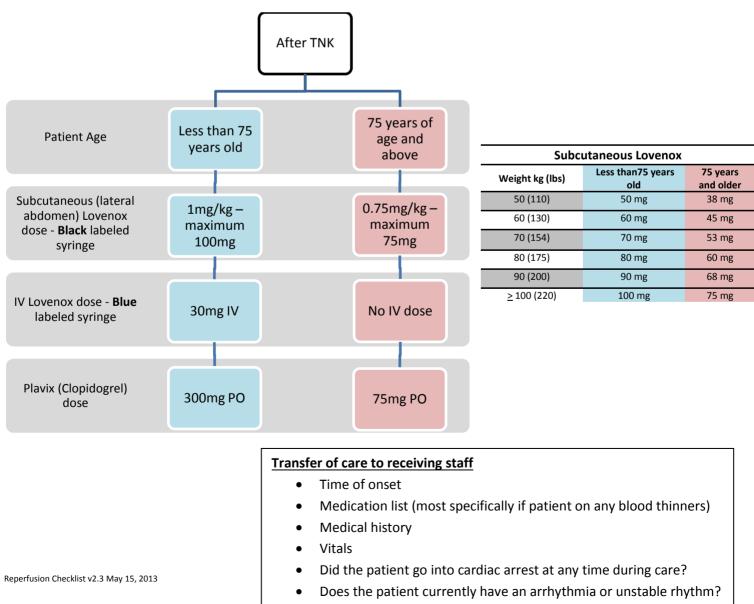
Prior to receiving this medication, we need to inform you of the potential risks involved. Specifically the clot busting medication (TNK) may cause bruising and bleeding from needle sites and internal bleeding. Bleeding in the brain occurs rarely, in about 1 in 100 patients, and can lead to permanent disability or death. Severe bleeding may require a blood transfusion and may be life threatening. While very rare, you need to be aware of the risks. The benefits of receiving this medication now exceed the risks.

This is the same medication that will be offered to you by a physician within the Emergency Department. It is being offered to you now to reduce the time that the heart attack is causing damage. If you decline the treatment we will continue to treat your symptoms within our protocols without using the clot busting drug. Are you interested in receiving the treatment? Do you have any questions about the therapy?

After discussion with MD and consent is obtained, reconstitute TNK with 10mL sterile water.

Fibrinolysis Medication Dosages

dminister TNK	W	Weight		TNK (mL)
	kgs	lbs		administered
atient's weight:	Less than 60	Less than 130	30	6
TNK Dose (see table):	60 to 69	130 to 154	35	7
	70 to 79	155 to 174	40	8
	80 to 89	175 to 199	45	9
	90 or greater	200 or greater	50	10



[•] Interventions done