

	1759	Critical Care Paramedic Alteplase (tPA) Infusion
Nor-Cal EMS Policy & Procedure Manual	Treatment Guidelines	
Effective Date: 06/01/2026	Next Revision: 06/2029	
Approval: Jeffrey Kepple MD – MEDICAL DIRECTOR	SIGNATURE ON FILE	

Purpose:

To provide a mechanism for Critical Care Paramedics (CCPs) to monitor Alteplase (tPA) infusions during interfacility transports.

- ONLY** for NorCal EMS Agency accredited CCPs who have successfully completed training program(s) approved by the Nor-Cal EMS Agency Medical Director.
- ONLY** for CCP ambulance provider agencies approved by the Nor-Cal EMS Agency.
- CCPs will not initiate tPA Infusions.**

Policy:

CCP's are permitted to monitor tPA infusion during interfacility transports.

Signed transfer order from the transferring physician must provide for maintaining infusion during transport- Blood pressure parameters **MUST** be contained within the written orders.

Prior to transport confirm:

- 1) Continuously monitor ECG, Spo2, ETCO2, with vital signs obtained and documented at a minimum of every 15 minutes or more often as ordered. Initial bolus dose must be completed, and infusion begun, prior to transfer of care.
- 2) No regulation of the infusion rate will occur, except discontinuation of the infusion.
- 3) Administer as per physician orders.
- 4) **Discontinue tPA immediately if any of the following occur:**
 - a) Acute worsening of neurologic symptoms
 - b) New onset headache
 - c) Sudden rise in blood pressure
 - d) Symptomatic intracranial hemorrhage
 - e) Decline in level of consciousness
 - f) Nausea and vomiting

tPA (Alteplase) Standard Dosing

1mg/ml concentration (0.9mg/kg is dose to a maximum of 90mg total)
 10% of the total dose is to be given initially over 1 minute – **Prior to transfer of care to CCP**
 0.9mg/kg to a maximum dose of 90mg total given over 60 minutes.

CCP will continue infusion started at the sending facility, If the infusion finishes during transport- 100ml bag of Normal Saline shall be exchanged and infused at the same rate in the same tubing to ensure total dose of tPA is completed.