

 NOR-CAL EMS	1759	<b>Alteplase (tPA) Infusion</b>
Nor-Cal EMS Policy & Procedure Manual		Treatment Guidelines
Effective Date: 11/04/2022		Next Revision: 11/04/2025
Approval: Jeffrey Kepple MD – MEDICAL DIRECTOR		SIGNATURE ON FILE

## Authority

Health and Safety Code Division 2.5, California Code of Regulations, Title 22, Division 9, Chapter 4, Article 2.

## 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

1. CCP 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:

- 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.
- No regulation of the infusion rate will occur, except discontinuation of the infusion.
- Administer as per physician orders.

### Discontinue tPA immediately if any of the following occur:

- Acute worsening of neurologic symptoms
- Decline in the level of consciousness
- New onset headache
- Nausea and vomiting
- Sudden rise in blood pressure
- Symptomatic intracranial hemorrhage

### 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.