

COUNTY OF VENTURA HEALTH CARE AGENCY		EMERGENCY MEDICAL SERVICES POLICIES AND PROCEDURES	
Policy Title: Tranexamic Acid (TXA) Administration		Policy Number 734	
APPROVED: Administration: Steve L. Carroll, Paramedic		Date: December 1, 2021	
APPROVED: Medical Director: Daniel Shepherd, M.D.		Date: December 1, 2021	
Origination Date: January 10, 2019		Effective Date: December 1, 2021	
Date Revised: September 9, 2021			
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Review Date: September 30, 2023			

- I. PURPOSE: To define the indications, contraindications, and procedure related to administration of Tranexamic Acid (TXA) by paramedics.
- II. AUTHORITY: Health and Safety Code, Sections 1797.220 and 1798. California Code of Regulations, Title 22, Sections 100145 and 100169.
- III. POLICY: Paramedics may administer TXA to patients presenting with hypovolemic shock secondary to trauma in accordance with this policy. Base hospital physician may order TXA to be administered for indications other than those listed below.
- IV. PROCEDURE:
  - A. Indications
    1. Blunt or penetrating traumatic injury with SBP less than or equal to 90mmHg
    2. Significant hemorrhage not controlled by direct pressure, hemostatic agents, or tourniquet application **AND** SBP less than or equal to 90 mmHg
  - B. Contraindications
    1. Greater than 3 hours post injury
    2. Isolated neurogenic shock
    3. Isolated head injury
    4. Isolated extremity injury when bleeding has been controlled
    5. Patient less than 15 years of age
    6. Active thromboembolic event (within the last 24 hours); i.e., stroke, myocardial infarction, pulmonary embolism or DVT
    7. History of hypersensitivity or anaphylactic reaction to TXA
    8. Traumatic arrest without ROSC
    9. Drowning or hanging victims

C. Precautions

1. Severe kidney disease
2. Pregnancy

D. Adverse Effects

1. Chest Tightness
2. Difficulty Breathing
3. Facial flushing
4. Swelling in hands and feet
5. Blurred vision
6. Hypotension with rapid IV infusion

E. Preparation

1. Supplies Needed:
  - i. 1g Tranexamic Acid (TXA) (1)
  - ii. 100mL bag of 0.9% normal saline (1)
  - iii. 10mL syringe (1)
2. Maintain sterile technique
3. Mixing Instructions
  - i. Inject 1g (10mL) of TXA into 100 mL NS bag
4. Label bag with the drug name and final concentration
  - i. Example: (TXA 1g in 100mL NS)

F. Dosing

1. IV/IO - 1g in 100mL Normal Saline over 10 minutes

G. Communication and Documentation

1. Communicate the use of TXA to the base hospital
2. Administration of TXA and any/all associated fields will be documented in the Ventura County electronic Patient Care Report (VCePCR)