

Tuolumne County Emergency Medical Services Agency EMS
System Policies and Procedures

Policy: Emergency Medical Technician- Epinephrine Administration #233.20

Medical Director:		Creation Date:	08-22-2018
EMS Coordinator:		Revision Date:	
		Review Date:	08-2023

I. AUTHORITY

Division 2.5, California Health and Safety Code, Sections 1797.172; 1797.185; 1797.206; 1797.214; 1797.218; 1797.220 and; 1797.221. Title 22, California Code of Regulations, Sections 100063.

II. DEFINITIONS

- A. "Agency" or "LEMSA" means the Tuolumne County Emergency Medical Services Agency.
- B. "Emergency Medical Technician" or "EMT" means a person who has successfully completed a basic EMT course which meets the requirements of Title 22; California Code of Regulations, Chapter 2, has passed all required tests, and who has been certified by the Agency Medical Director as an EMT.
- C. "Local accreditation" or "accreditation" or "accredited to practice" means authorization by the LEMSA to practice the optional skill(s) approved by the LEMSA. Such authorization assures that the EMT has been oriented to the LEMSA and trained in the optional skill(s) necessary to achieve the treatment standard of the jurisdiction.
- D. "Optional Scope of Practice Provider Agency" means any agency that has entered into an agreement with the Agency to provide EMT optional scope of practice medications and or procedures.

III. PURPOSE

The purpose of this policy is to define the criteria for EMT authorization and administration of Intra Muscular (IM) injection of Epinephrine, 1:1,000 concentration, in cases of severe asthma and anaphylaxis within the Tuolumne County EMS System.

IV. POLICY

As part of the State approved optional scope of practice and in accordance with the Tuolumne EMS Agency Basic Life Support Treatment Guidelines and other medical control policies, a supervised EMT student or a certified EMT, is authorized during training, while at the scene of an emergency, during transport of the sick or injured or during an inter-facility transfer to administer IM injection of Epinephrine, 1:1,000 concentration, in cases of severe asthma and anaphylaxis.

- A. Any Provider Agency wishing to administer IM injection of Epinephrine within the Tuolumne County EMS System will meet the following requirements;
 - 1. Shall be approved by the LEMSA prior to beginning service. The following shall be submitted receive and maintain IM Epinephrine service provider approval.
 - a. Completion of Tuolumne County EMS Agency Provider Accreditation

- Form.
 - b. Roster of EMTs accredited to administer IM epinephrine.
 - c. Copy of documentation used to ensure maintenance of epinephrine, per manufacturer recommendations, including expiration dates.
 - d. Descriptive process used for continued competency of IM injection of Epinephrine.
- C. Optional Scope of Practice Provider Agencies must be or use an approved training provider. Training curriculum shall be approved by the LEMSA.
- D. Training in the administration of epinephrine shall consist of no less than two (2) hours to result in the EMT being competent in the administration of epinephrine and managing a patient of a suspected anaphylactic reaction or experiencing severe asthma symptoms. Included in the training hours listed above shall be the following topics and skills:
- 1. Common causative agents
 - 2. Assessment findings
 - 3. Appropriate personal protective equipment and scene safety awareness
 - 4. Profile of epinephrine to include, but not be limited to:
 - I. Indications
 - II. Contraindications
 - III. Side/ adverse effects
 - IV. Administration by auto-injector, prefilled syringe and drawing up the proper drug dose into a syringe
 - V. Dosages
 - VI. Mechanisms of drug action
 - 5. Medical asepsis
 - 6. Disposal of contaminated items and sharps.
- E. At the completion of this training, the student shall complete a competency based written and skills examination for administration of epinephrine which shall include:
- 1. Assessment of when to administer epinephrine,
 - 2. Managing a patient before and after administering epinephrine,
 - 3. Using universal precautions and body substance isolation procedures during medication administration,
 - 4. Demonstrating aseptic technique during medication administration,
 - 5. Demonstrating preparation and administration of epinephrine by auto-injector, prefilled syringe and drawing up the proper drug dose into a syringe.
 - 6. Demonstrating proper disposal of contaminated items and sharps.

EMTs trained and accredited to administer shall demonstrate competency to an approved training officer at least every two (2) years, or more frequently as determined by EMSQIP. The demonstration may be simulated or during patient care.