

Medical Procedures**Date: 07/01/2023****Administration of Endotracheal Medications****Policy #7050****I. Purpose:**

- A. To establish indications, guidelines, and the standard procedure for administering endotracheal medications in the prehospital setting.

II. Authority:

- A. Health and Safety Code Section 1797.220, 1798. Title 22, Section 100169

III. Policy:

- A. Only medications approved by Imperial County EMS may be given via the endotracheal route via an established endotracheal tube.
- B. Approved medications for administration via ET tube are in the mnemonic LEAN:
 - 1. Lidocaine
 - 2. Epinephrine
 - 3. Atropine
 - 4. Naloxone

IV. Procedure:

- A. Ventilate prior to administration of medications
- B. Stop compressions prior to administration if CPR is occurring
- C. Administer drug by inserting syringe into ETT opening and inject medication into ET tube.
Momentarily occlude ETT opening with finger while reattaching oxygenation device to prevent medication from expelling. Ventilate 5 times to disperse drug
- D. Utilize doses in accordance to Imperial County Treatment Protocols
- E. Administration:
 - 1. Adults: Utilize approximately 10 ml of the medication with solution for each administration
 - 2. Pediatrics: Utilize approximately 5 ml of the medication with solution for each administration
 - 3. Neonates: Utilize approximately 2 ml of the medication with solution for each administration
- F. Total volume should not exceed 30 ml. for adults, 15 ml for pediatrics, 6 ml for neonates
- G. Resume compressions if CPR is occurring
- H. Entire medication administration process should not exceed 10 seconds

Medical Procedures

Date: 07/01/2023

Administration of Endotracheal Medications

Policy #7050

APPROVED:

Signature on File

Katherine Staats, M.D. FACEP

EMS Medical Director