

**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

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APPROVED:

Signature on File

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