



**MIDSTATE REGIONAL EMERGENCY MEDICAL  
ADVISORY COMMITTEE  
EMS ADVISORY**

<b>NUMBER</b>	<i>10-02</i>
<b>DATE</b>	<i>04/27/10</i>
<b>SUBJECT</b>	<i>ENDO-TRACHEAL MEDICATION ADMINISTRATION</i>

### **PURPOSE**

**Establish indications for Pre-Hospital endotracheal medication administration.**

### **BACKGROUND**

In certain situations the endotracheal tube offers a mediation route for specific medications in specific situations. IV/IO administration is preferred because it provides more reliable drug delivery and pharmacologic effect. Doses given by ET route should generally be higher than standard IV doses. For some drugs the optimum endotracheal doses have not been established. Medications delivered via endotracheal tube should be diluted in water or NS to a volume of 5 to 10 mL. Provide several positive-pressure breaths after medication is instilled.

### **LIMITATIONS**

The use of endotracheal tube medication administration should be limited to cardiac arrest patients that attempts to establish either a peripheral IV an EJV and IO have been unsuccessful.

### **REFERENCES**

American Heart Association Emergency Cardiovascular Care for Healthcare Providers handbook.