



**ORANGE COUNTY EMERGENCY MEDICAL SERVICES**  
**ADVANCED LIFE SUPPORT PROCEDURES**  
**INTRANASAL (IN) MIDAZOLAM OR FENTANYL ADMINISTRATION**  
**USING SYRINGE AND ATOMIZER DEVICE**

#: PR-125  
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Orig. Date: 03/11  
Revised: 10/01/2017

**INDICATION:**

To provide a means to administer midazolam or fentanyl.

**CONTRAINDICATIONS:**

- Respiratory failure with agonal respirations requiring assisted ventilation
- Respiratory arrest
- Cardiac arrest
- Nasal bleeding or obstruction
- Known allergy to indicated medication

**PROCEDURE:**

1. Provide supplemental oxygen as tolerated.
2. Withdraw appropriate dose of approved medication into syringe.
3. Attach nasal atomizer to syringe.
4. Place tip of atomizer within the nostril.
5. Compress syringe to administer  $\frac{1}{2}$  (one-half) of the syringe volume as an atomized spray within nostril.
  - ▶ Maximum volume of 1 mL per nostril.
6. Administer the balance of the medication into the opposite nostril.
7. Maintain open airway and assist ventilations as required.
8. If repeat dose of medication is needed:
  - A. The atomizer and syringe used for the first dose may be re-used.
  - B. Divide volume of medication equally between both nostrils.

**DOCUMENTATION:**

- Document time and route of each dose of medication administered and the patient's response.
- Document pulse oximetry, level of consciousness and respiratory effort every 5 minutes.

**NOTES:**

Key point: always administer one-half (1/2) of the total drug volume into each nostril.

Approved:

Review Date: 04/13, 05/17  
Final Date for Implementation: 10/01/2017  
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