

**REGION I EMERGENCY MEDICAL SERVICES
STANDING MEDICAL ORDERS
EMT – Basic**

SMO: Intranasal Medication - Mucosal Atomization Device (MAD)

Overview: In the absence of an established IV, intranasal is a rapid route offering high level of bio-availability of the medication being administered. The intranasal route can reduce the risk of needlesticks while delivering effective medication levels.

The rich vasculature of the nasal cavity provides a direct route into the bloodstream for medications that easily cross the mucous membranes. Due to this direct absorption into the bloodstream, rate and extent of absorption are relatively comparable to IV administration.

CONTRAINDICATIONS

- Epistaxis (nosebleed)
- Nasal Trauma
- Nasal septal abnormalities
- Nasal congestion / discharge

Medication that may be used Intranasal

- Glucagon

PROCEDURE

- Draw up medication into a syringe using appropriate transfer needle
 - Intranasal dose is the same as IV / IM dose as outlined in appropriate SMO
 - Do not exceed 0.5 – 1.0 ml per nostril
- Remove air from syringe
- Remove needle and place MAD nasal tip onto syringe
- Place MAD tip into nostril
- Timing the respirations, depress the plunger rapidly when patient fully exhales and before inhalation
- Evaluate the effectiveness of the medication, if desired effect has not been achieved, consider repeating and/or changing route of administration

Documentation of adherence to protocol:

- Evidence of respiratory distress including wheezing or shortness of breath that would benefit by bronchodilator therapy
- Patient respiratory status post-intervention

Medical Control Contact Criteria

- If any question exists as to the best option for the patient.

PRECAUTIONS AND COMMENTS

- Indication, contraindications, actions and side effects are the same when given Intranasal as they would be if the medication were given IV /IM

**REGION I EMERGENCY MEDICAL SERVICES
STANDING MEDICAL ORDERS
EMT – Intermediate and Paramedic**

SMO: Intranasal Medication - Mucosal Atomization Device (MAD)

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CONTRAINDICATIONS

- Epistaxis (nosebleed)
- Nasal Trauma
- Nasal septal abnormalities
- Nasal congestion / discharge

Medication that may be used Intranasal

- Glucagon
- Naloxone (Narcan)
- Midazolam (Versed)
- Diazepam (Valium)
- Morphine

PROCEDURE

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Medical Control Contact Criteria

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PRECAUTIONS AND COMMENTS

- Indication, contraindications, actions and side effects are the same when given Intranasal as they would be if the medication were given IV /IM

11/07

Reviewed:

Revised:

EMS/ Region1 SMOs