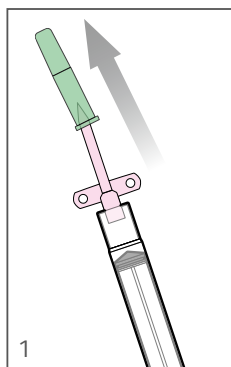


MAD Nasal™

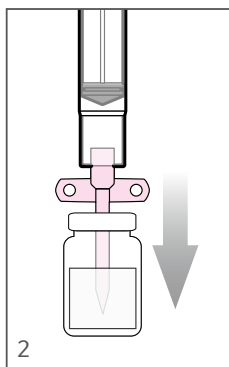
Intranasal Mucosal Atomization Device

User Guide

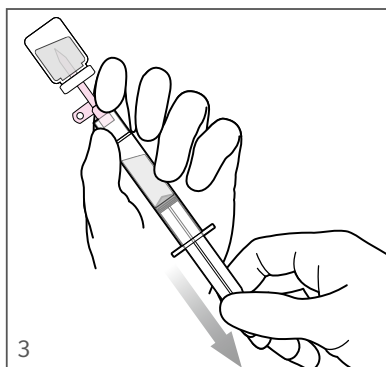
Procedure



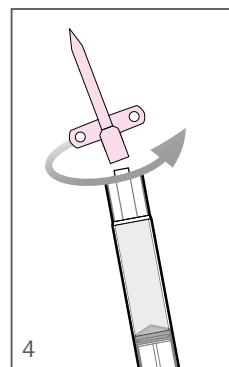
1
Remove and discard the green vial adapter cap



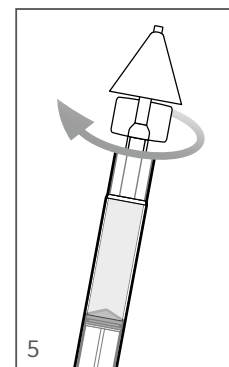
2
Pierce the medication vial with the syringe vial adapter



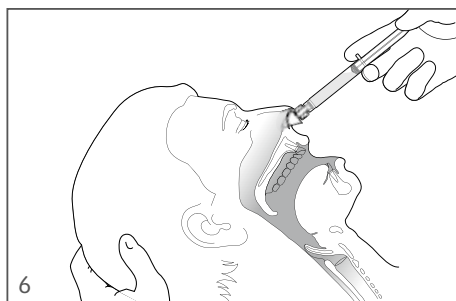
3
Aspirate the proper volume of medication required to treat the patient (including medication to account for the dead space in the device)



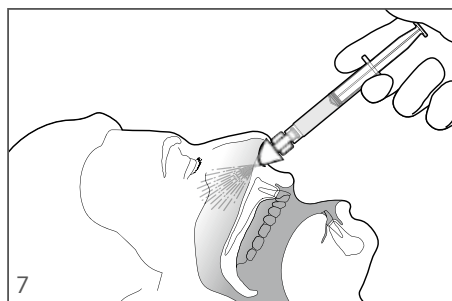
4
Remove (twist off) the syringe adapter from the vial adapter and discard in sharps container



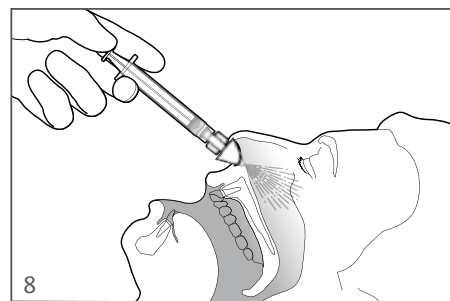
5
Attach the MAD Nasal Device to the syringe via the luer lock connector



6
Using the free hand to hold the occiput of the head stable, place the tip of the MAD Nasal Device snugly against the nostril aiming slightly up and outward (toward the top of the ear)



7
Briskly compress the syringe plunger to deliver half of the medication into the nostril



8
Move the device over to the opposite nostril and, repeating steps 6 and 7, administer the remaining medication into the nostril if indicated

Tips to Improve Success

1. Minimize volume, maximize concentration

- Use the appropriately concentrated drug
- Follow drug manufacturer directions

2. Maximize total mucosal absorptive surface area

- Atomize the drug (rather than drip it in) to cover broad surface area
- Use BOTH nostrils to double the absorptive surface area
- Aim slightly up and outwards to cover the turbinates and olfactory mucosa

3. Beware of abnormal mucosal characteristics

- Mucus, blood and vasoconstrictors may reduce absorption¹
- Suction nostrils or consider alternate drug delivery method in these situations

MAD Nasal™

Intranasal Mucosal Atomization Device



MAD Nasal™ Device with vial adapter and 1 mL (or 3 mL) syringe

MAD Nasal™ Intranasal Mucosal Atomization Device Specifications

Typical Particle Size	30 – 100 microns
System Dead Space	MAD100/MAD110/ MAD130/MAD140 = 0.15 mL MAD1400S = 0.16 mL MAD300 = 0.06 mL
Tip Diameter	0.17 inches (4.3 mm)

MAD Nasal Intranasal Mucosal Atomization Device

MAD100	MAD Nasal Device with 3 mL Syringe	25
MAD110	MAD Nasal Device with 1 mL Syringe	25
MAD130	MAD Nasal Device with 1 mL Syringe and Vial Adapter	25
MAD140	MAD Nasal Device with 3 mL Syringe and Vial Adapter	25
MAD1400S	MAD Nasal Device with 3 mL Oral Syringe and Vial Adapter	25
MAD300	MAD Nasal Device without Syringe	25

To learn more, call us at 866.246.6990
or visit Teleflex.com/MAD

*For use with drugs approval for intranasal delivery

IMPORTANT: This guide is not a replacement or substitute for the product Instructions for Use.

Refer to the package insert for complete warnings, indications, contraindications, precautions, potential complications and instructions for use.

Reference:

1. Corrigan M, Wilson S, Hampton J. Safety and efficacy of intranasally administered medications in the emergency department and prehospital settings. *Am J Health-Syst Pharm.* 2015; 72: 1544-1554

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