



Yolo County Emergency Medical Services Agency

Procedures

Revised Date: September 1, 2018

MUCOSAL ATOMIZATION DEVICE (MAD)	
Adult	Pediatric
Indications	
Patients without IV access who require urgent medication administration	
Contraindications	
<ul style="list-style-type: none"> • Epistaxis • Nasal trauma • Nasal septal abnormalities • Nasal congestion/discharge 	
Procedure	
<ul style="list-style-type: none"> • Determine appropriate medication dose per applicable protocol • Draw up medication into a syringe using appropriate transfer needle • Purge air from syringe • Place mucosal atomization device on the end of the syringe and screw into place • Gently insert the atomizer into the nare, stop once resistance is met • Rapidly administer the medication when patient fully exhales and before inhalation • ADMINISTER ½ DOSE IN EACH NARE • Do not exceed 1.0 mL per nare • Evaluate the effectiveness of the medication, if desired effect has not been achieved, consider repeating and/or changing route of administration 	
Approved Medications (See appropriate treatment protocol for dose)	
BLS Local Scope	
<ul style="list-style-type: none"> • Naloxone (Narcan) 	
ALS	
<ul style="list-style-type: none"> • Glucagon • Midazolam (Versed) 5mg/mL concentration required • Fentanyl 	
Consider	
<ul style="list-style-type: none"> • Nasal administration does not work for every patient • Nasal administration is less likely to be effective if the patient has been abusing inhaled vasoconstrictors such as cocaine 	