



Yolo County Emergency Medical Services Agency

Procedures

Revised Date: September 1, 2020

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 Ketamine (Ketalar) 	
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 	