



EMS System for Metropolitan Oklahoma City and Tulsa 2026 Medical Control Board Treatment Protocols



Approved 9/17/25, Effective 1/15/26, replaces all prior versions

9K – MEDICATION ADMINISTRATION ADULT & PEDIATRIC

Prior to all medication administrations, assure the “5 Rights” are reviewed:

1. Right Patient
2. Right Route
3. Right Dose
4. Right Time
5. Right Medication

If any one of these “rights” is “wrong”, stop and do not administer the medication!

Specific routes of medication administration:

EMT-INTERMEDIATE 85
ADVANCED EMT
PARAMEDIC

9Ka: Intravenous / Intraosseous – Adult & Pediatric:

1. Assure that the IV / IO line is patent.
2. Cleanse the access port nearest the IV / IO site with alcohol prep.
3. Eject any air from syringe and insert needle or adapter into access port.
4. Pinch the IV /IO line above the medication port. This prevents the medication from traveling toward the IV bag, forcing it instead toward the patient.
5. Inject the medication as specified per appropriate treatment protocol.
6. Remove the needle or adapter and release the tubing.
7. Open the flow regulator to allow 10 – 20 mL fluid flush.



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PROTOCOL 9K: Medication Administration – Adult & Pediatric, cont.

EMT
EMT-INTERMEDIATE 85
ADVANCED EMT
PARAMEDIC

9Kb: Intramuscular/Subcutaneous Injection – Adult & Pediatric:

1. Use a 1 inch to 1.5 inch long 21 to 25 gauge needle on a syringe.
2. Select injection site (if IM, deltoid, lateral thigh, or upper/outer quadrant of gluteus; if SubQ, arm or lateral thigh).
3. Cleanse the injection site with alcohol prep.
4. Eject any air from syringe.
5. If IM, stretch skin over injection site and insert needle 90 degrees to skin surface, through skin into muscle, aspirate and if no blood return, inject medication.
6. If SubQ, pinch skin in a fold over injection site and insert needle 45 degrees to skin surface, through skin into subcutaneous fatty tissue, aspirate and if no blood return, inject medication.
7. Remove needle and put bandage over the injection site.

EMT
EMT-INTERMEDIATE 85
ADVANCED EMT
PARAMEDIC

9Kc: Intranasal – Adult & Pediatric, technique:

1. Use a medication nasal atomization device on a syringe.
2. Eject any air from syringe.
3. Place the atomizer tip approximately 1.5 cm within the nostril.
4. Briskly compress the syringe plunger to spray atomized solution into the nasal cavity/onto the nasal mucosa (gently pushing the plunger will not result in atomization).

PROTOCOL 9K: Medication Administration – Adult & Pediatric, cont.

EMERGENCY MEDICAL DISPATCHER
EMERGENCY MEDICAL RESPONDER
EMT
EMT-INTERMEDIATE 85
ADVANCED EMT
PARAMEDIC

9Kd: Sublingual/Oral – Adult & Pediatric:

1. Instruct, assist, or place the tablet or spray under the tongue (sublingual) or in the mouth (oral)/on the tongue (oral dissolving).

PARAMEDIC

9Ke: Ocular – Adult & Pediatric:

1. Don't touch the tip of the medication container to any part of the eye or face.
2. Pull the lower eyelid down while avoiding any ocular (eyeball) pressure.
3. Instill eye drop(s) in the space between the eyelid and the eyeball.

PARAMEDIC

9Kf: Intravascular Infusion Management – Adult & Pediatric:

1. Assure that the IV / IO line is patent.
2. Cleanse the access port nearest the IV / IO site with alcohol prep.
3. Flush any air from infusion line/set and insert needle or adapter into access port.
4. Unless simultaneously giving an IV fluid bolus, close off the IV line above the medication port. This prevents the medication from traveling toward the IV bag, forcing it instead toward the patient.
5. Infuse the medication as specified per appropriate treatment protocol.
6. Medication labels must be placed on the outside of the IV Fluid bag when any medication is added for piggyback administration. The date, name of medication added, and amount of medication added must be clearly written. This is not necessary if the piggyback medication is premixed and prelabeled.