



EMS System for Metropolitan Oklahoma City and Tulsa 2016 Medical Control Board Treatment Protocols

DRAFT for MCB Review and Approval 9/14/16, Effective 1/15/17, replaces 4/1/16



8E – SNAKEBITES – PIT VIPERS (RATTLESNAKES, COPPERHEADS, & MOCASSINS) (CROTALINAE ENVENOMATION) ADULT & PEDIATRIC

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

TREATMENT PRIORITIES
1. Vital signs
2. Epinephrine for anaphylaxis
**** First two epi doses are standing order. Any additional epi dose requires OLMC consult.**
3. OK Poison Center consult
4. Appropriate destination per OK Poison Center consult

EMD
ADVISE TO AVOID PHYSICAL EXERTION OR ENVIRONMENTAL STRESS (TEMP EXTREMES).
MOVE AWAY FROM SNAKE(S) IF ABLE
OPEN AIRWAY IF NOT ALERT AND INEFFECTIVE BREATHING

EMR EMT

GENERAL SUPPORTIVE CARE – MARK EDGE OF SWELLING/TENDERNESS EVERY 15 MINS TO DETERMINE SYMPTOM PROGRESSION
OBTAIN VITAL SIGNS & ADMINISTER O₂ VIA NC, NRB, OR BVM AS APPROPRIATE
IMMOBILIZE/ELEVATE AND AVOID JOINT FLEXION IN EXTREMITY BITTEN TO MINIMIZE SWELLING OF EXTREMITY
DO NOT CUT THE BITE SITE OR ATTEMPT TO “EXTRACT THE VENOM” FROM BITE SITE WITH SUCTION/VACUUM DEVICES
CONSULT OKLAHOMA POISON CONTROL CENTER PER PROTOCOL 8C – DESCRIBE SNAKE APPEARANCE/TYPE AS BEST ABLE
APPLY CARDIAC MONITOR (if equipped)
EMT OR HIGHER LICENSE:
FOR ANAPHYLAXIS ONLY (ANAPHYLAXIS FROM SNAKEBITE IS RARE):
ADULT: **EPINEPHRINE 1:1000 0.5 mg (0.5 mL) IM OR AUTOINJECTOR ANTERIOR/LATERAL THIGH.
PEDIATRIC: **EPINEPHRINE 1:1000 0.15 mg (0.15 mL) IM OR AUTOINJECTOR ANTERIOR/LATERAL THIGH.
OLMC ORDER ONLY FOR EPINEPHRINE IF PT ≥ 50 YEARS OLD, HEART ILLNESS HISTORY, OR BLOOD PRESSURE > 140/90 mmHg
MEASURE END-TIDAL CO₂ & MONITOR WAVEFORM CAPNOGRAPHY (if equipped, *** Mandatory use if pt intubated)
ADULT: APPLY Bi/CPAP IF INDICATED (if equipped)
PLACE SUPRAGLOTTIC AIRWAY IF INDICATED & ONLY IF BVM VENTILATIONS INEFFECTIVE

EMT- I85 AEMT

ADULT: INTUBATE IF INDICATED
IV ACCESS
ADULT: IV NS TKO IF SYS BP ≥ 100 mmHg WITHOUT HYPOTENSIVE SYMPTOMS
ADULT: IV NS 250 mL BOLUS IF SYS BP <100 mmHg WITH HYPOTENSIVE SYMPTOMS & NO SIGNS OF PULMONARY EDEMA
ADULT: REPEAT UP TO 2 LITERS NS IF SYS BP REMAINS < 100 mmHg WITH HYPOTENSIVE SYMPTOMS & NO SIGNS OF PULMONARY EDEMA
PEDIATRIC: IV NS TKO IF SYS BP ≥ (70 + 2x age in years) mmHg
PEDIATRIC: IV NS 20 mL/kg BOLUS IF SYS BP < (70 + 2x age in years) mmHg & NO SIGNS OF PULMONARY EDEMA
REPEAT UP TO 60 mL/kg IF SYS BP REMAINS < (70 + 2x age in years) mmHg & NO SIGNS OF PULMONARY EDEMA
FOR ANAPHYLAXIS ONLY (ANAPHYLAXIS FROM SNAKEBITE IS RARE):
ADULT: **EPINEPHRINE 1:1000 0.5 mg (0.5 mL) IM ANTERIOR/LATERAL THIGH
PEDIATRIC: **EPINEPHRINE 1:1000, 0.01 mg/kg IM NOT TO EXCEED 0.3 mg IM ANTERIOR/LATERAL THIGH
OLMC ORDER ONLY FOR EPINEPHRINE IF PT ≥ 50 YEARS OLD, HEART ILLNESS HISTORY, OR BLOOD PRESSURE > 140/90 mmHg

PARAMEDIC

ANTIEMETIC (IF REQUIRED); **ADULT:** ONDANSETRON 4 mg IVP/ODT. MAY REPEAT ONCE IN 10 MINUTES
PEDIATRIC: ONDANSETRON 0.1 mg/kg IVP TO A MAXIMUM SINGLE DOSE OF 4 mg; IF AGE > 2 years, MAY GIVE ONDANSETRON 4 mg ODT
ANALGESIA (IF REQUIRED); OPIATE USE, ADULT MUST HAVE SYS BP ≥ 100 mmHg; PEDIATRIC MUST HAVE SYS BP ≥ (70 + 2x age in years) mmHg
ADULT: FENTANYL 1 mcg/kg SLOW IVP/IM/IN, MAXIMUM DOSE 100 mcg. MAY REPEAT EVERY 10 MINUTES TO MAXIMUM CUMULATIVE DOSE OF 3 mcg/kg or 250 mcg WHICHEVER IS LESSER.
OR
ADULT: MORPHINE SULFATE 2 - 4 mg SLOW IVP, MAY REPEAT 2 - 4 mg EVERY 5 MINUTES TO A TOTAL OF 10 mg.
OR
ADULT: HYDROMORPHONE 0.5 - 1 mg SLOW IVP, MAY REPEAT EVERY 10 MINUTES TO MAXIMUM CUMULATIVE DOSE OF 2 mg.
PEDIATRIC: OLMCP ORDER ONLY FOR OPIATE ANALGESIA
SEVERE REACTION/ANAPHYLAXIS (ANY MILD/MODERATE SX AND/OR SYS BP <100 mmHg ADULT OR < (70 + 2x age in years) mmHg PEDIATRIC
ADULT: **EPINEPHRINE 1:1000 0.5 mg (0.5 mL) IM ANTERIOR/LATERAL THIGH
PEDIATRIC: **EPINEPHRINE 1:1000, 0.01 mg/kg IM NOT TO EXCEED 0.3 mg IM ANTERIOR/LATERAL THIGH
IF REFRACTORY ANAPHYLAXIS, ADMINISTER INTRAVASCULAR EPINEPHRINE 1:10,000
ADULT: **EPINEPHRINE 1:10,000 1 mg SLOW IV/IOP (OVER 3 MINUTES)
PEDIATRIC: **EPINEPHRINE 1:10,000, 0.01 mg/kg SLOW IV/IOP (OVER 3 MINUTES) NOT TO EXCEED 0.5 mg
ADULT: MEDICATION ASSISTED INTUBATION IF INDICATED
CONTINUOUS ASSESSMENT & TREATMENT PER APPLICABLE PROTOCOL(S)