

# **OGLETHORPE COUNTY**

EMERGENCY MEDICAL SERVICES 2024 STANDING ORDERS

## **Procedural Documents**

- 201 Patient Assessment Progression
- 202 Airway Management Progression
- 203 Sedation Assisted Intubation
- 204 BiPAP/CPAP Procedure
- 205 Venous Access Progression
- 206 ECG Placement Progression
- 207 Intraosseous Access Progression
- 208 Medical Helicopter Use
- 211 Spinal Immobilization Progression

## Adult Standing Orders

- 301 Allergic Reaction/Anaphylaxis
- 302 Altered Mental Status (Unknown)
- 303 Respiratory Distress/Bronchospasm
- 304 CVA/Stroke
- 305 General Medical
- 306 Environmental Exposure
- 307 Altered Blood Glucose
- 308 Hypertensive Crisis
- 309 Child Birth
- 310 Obstetric Crisis
- 311 Seizure
- 312 Chest Pain/STEMI/nSTEMI
- 313 CHF/Acute Pulmonary Edema
- 314 Bradycardia
- 315 Tachycardia
- 316 Pulseless Arrest AHA
- 317 Behavioral Crisis
- 318 Burns
- 319 Overdose/Poisoning
- 320 Pain Management
- 321 Shock Management
- 322 Traumatic Injury

## Pediatric Standing Orders

- 401 PED Allergic Reaction
- 403 PED Bronchospasm/Respiratory Distress
- 405 PED General Medical
- 407 PED Altered Blood Glucose
- 411 PED Seizure
- 414 PED Bradycardia
- 415 PED Tachycardia
- 416 PED Pulseless Arrest AHA
- 418 PED Burns
- 419 PED Overdose/Poisoning
- 420 PED Pain Management
- 421 PED Shock Management
- 422 PED Traumatic Injury



	EMS Medical Director:	Dr. Brendan Hawthorn	Signature on file
	EMS Director:	Jason M. Lewis	Signature on file
201 – Patient Assessment I		ssessment Progression	Effective Date: 12/01/2022

Considerations	A detailed and focused assessment should be performed on every patient encounter unless contraindicated. Each provider should be aware of and adhere to the limitations of their respective scope of practice as defined by the Georgia Department of Public Health (SOP-2021). All evaluations performed should be documented as defined by the rules and regulations of the State of Georgia Office of EMS and Trauma. The patient assessment should be considered a continuous procedure that should be employed during the entirety of a patient's encounter with EMS.			
EMT	PRIMARY SURVEY:         1. Assess Responsiveness (AVPU)         2. Assess airway patency. If obstructed, refer to Airway Progression.         3. Assess breathing for rate, quality, and degree of distress.         4. Assess circulation for rate, rhythm, and quality.			
AEMT EMT-I	<ol> <li>Perform secondary assessment of specific problem and refer to the appropriate protocol.</li> <li>Perform diagnostic treatment.         <ul> <li>a. Blood Pressure</li> <li>b. Pulse</li> <li>c. Respiration</li> <li>d. Pulse Oximetry</li> </ul> </li> </ol>			
Paramedic	<ol> <li>ECG acquisition and transmission (EMT, EMTI, AEMT)</li> <li><u>ADVANCED SURVEY:</u> <ol> <li>ECG monitoring and interpretation</li> <li>End-tidal CO2 monitoring and interpretation of waveform capnography</li> </ol> </li> </ol>			
Focused NEURO (All Levels)	FAST VAN Stroke Screen         FAST VAN Stroke Screen         Face       Arm       Speech       Time         Decor more MS       Bight doop       Bight doo			

ſ			EMS Medical Director:	Dr. Brendan Hawthorn	Signature on file	
•	GLI	THORPE	EMS Director:	Jason M. Lewis	Signature on file	
Ŭ	COUNTY GEORGIA		Airway Manage	ment Progression - 202	Effective Date: 12/01/2022	
		<b>Basic Mane</b>				
					iver; manual maneuvers to remove obstruction.	
	EMT	2. Oropharyngeal Airway (if no gag reflex); Nasopharyngeal Airway (if no head injury suspected or significant				
	ш	facial trauma evaluated)				
		3. Upper airway suctioning (intermittent, if indicated)				
	Ŧ					-
	EMT-I	Advanced Airway Management				
ĺ	Ξ	4. Insertion of a supraglottic airway device / blind insertion airway device (BIAD)				
	E					
	AEMT			KING LT Device		
	<u>ح</u>				-	
5. Endotracheal Intubation						

- a. For the spontaneously breathing patient requiring intubation
  - i. Nasotracheal intubation may be attempted (use BAAM style device PRN)
    - Refer to the Sedation Assisted Intubation Standing Order [203] as indicated.
  - b. For patients with no gag reflex and no spontaneous respirations or sedation assisted
    - i. Orotracheal intubation via VIDEO laryngoscopy. (Direct manual laryngoscopy PRN)
  - *ii.* If a difficult airway is anticipated, use of a Bougie-style introducer should be considered. IF UNABLE TO PLACE ETT IN A TIMELY MANNER, TRANSITION TO A SUPRAGLOTTIC BIAD DEVICE

## c. For patients with secretions, vomitus, blood, or other contaminant in the airway use the Suction Assisted Laryngoscopy Airway Decontamination (S.A.L.A.D.)

- Power on and connect VIDEO laryngoscope with appropriate blade.
- ii. Suction airway free from contaminants, seat suction catheter at the proximal esophagus with suction set to continuous
- d. Once ETT tube is inserted to the appropriate depth, confirm ETT placement:
  - i. Direct visualization
  - ii. Continuous waveform capnography
  - iii. Auscultation of positive lung sounds bilaterally, negative in the epigastrium.
- e. Secure ETT and reassess
- 6. Sedation Assisted Intubation

ii.

i.

Paramedic

- a. For patients who are responsive to pain, have impending airway compromise or obtunded with an intact gag reflex, refer to the Sedation Assisted Intubation Standing Order.
- 7. For acute upper airway obstruction refractory to clearance maneuvers, refer to Needle Cricothyrotomy Procedure.

	Cormack-Lehane Grading	
Considerations	Grade I Grade II Grade III Grade IV Grade I: The entire vocal cords are visible Grade II: Parts of the vocal cords are visible Grade III: The epiglottis is visible, but the vocal cords are not Grade IV: Epiglottis is not even visible	



Paramedic

	EMS Medical Director:	Dr. Brendan Hawthorn	Signature on file			
<u> I</u>	EMS Director:	Jason M. Lewis	Signature on file			
		ed Intubation - 203	Effective Date: 5/01/2022			
т	THIS STANDING ORDER IS TO BE USED IN CONJUCTION WITH THE AIRWAY PROGRESSION					
Con	nscious and/or spontaneously k eterioration (i.e. airway burns),	preathing patients, who require in	mmediate airway control to prevent severe intubation. This protocol should be used			
		N for decreasing gag reflex. g PRN (Max Dose 250 mcg)				
	• Onset: 1-3					
		5-30 minutes				
		unting of circulatory responses to in ON IN MULTI-SYSTEM TRAUMA PA	tubation or suspected/known increased ICP. TIENTS			
		INITIAL SEDATION				
	Etomidate 0.3 mg/l     Onset: 15-4	nodynamically STABLE or HYP g IV (Max Dose: 40 mg) 15 seconds 1-12 minutes	ERTENSIVE patient:			
	Ketamine 1-2 mg/k     Onset: less	namically UNSTABLE, SEPTIC of g IV/IO; (Max Dose: 500 mg) than 30 seconds i-15 minutes	or HYPOTENSIVE patient:			
		CONTINUED MAINTENAN	CE			
		MAP>80 or SBP>120				
	<ul> <li>Fentanyl 1-3 mcg/k OR</li> </ul>	g IVP every 10-15 minutes PRN				
		g/kg IV every 5-10 minutes nitor SBP				
	OR • Ativan 1-4 mg IV ev	ery 15 minutes				
		MAP<80 or SBP<120				
	-	g/kg IVP every 10-15 minutes PRN				
	• Ketamine 0.5 – 1 m	g/kg IVP slowly over 1 minute (Max	(Dose: 250 mg)			
	May Consider if NECESSARY					
	<ul> <li>Closely motion</li> </ul>	g/kg IV every 5-10 minutes nitor SBP				
	OR • Ativan 1-4 mg IV ev	erv 15 minutes				
		Cry 20 mmuco				



EMS Medical Director:	Dr. Brendan Hawthorn	Signature on file
EMS Director:	Jason M. Lewis	Signature on file
204 – BiPAP	/ CPAP Procedure	Effective Date: 12/01/2022

		e Contraindications:				
	1.	· · ·	-			
	2.	Decreased level of consciousness that prevents the	-		own airway	
	3.	Inability to maintain a patent airway or adequately	clear sec	retions		
	4.	Non-compliant patients				
	<u>Relative</u>	e Contraindications:				
su	1. Risk for aspiration of gastric content. (Consider NG tube placement)					
tio	2.	Pre-existing pneumothorax or pneumomediastinu	n, which	may be complicated due	to increased pressure.	
ira	3.	Hypotension				
Considerations	4.	Acute sinusitis or otitis media	SIGNS OF THERAPY FAILURE:		APY FAILURE:	
su	5.	Epistaxis	Tachypnea			
S	6.	Recent facial, oral or skull surgery or trauma	•	Hemodynamic Instability		
		al Complications:	•	Decreasing GCS		
	-	Mask discomfort	•	Poor Tolerance		
	2.	Gastric distention	•	Excessive secretions or von	niting	
	3.	Increased intracranial pressure	•	Agitation		
		Pulmonary barotraumas	•	Pneumothorax		
	5.	-	•	Apnea		
		SELECTIO	N OF THE	RAPY		
		Refractory Hypoxemia		Hypercapnia	Hypoxemia & Hypercapnia	
	If refrac	tory hypoxemia is the sole issue, CPAP is desired since	If hyperca	pnia is the sole issue, BiPAP	If both hypoxemia and hypercaphia	
_		bry assistance is not an issue. As evidence by EtCo2, it is not		ePAP setting is desired.	are an issue, BiPAP with a higher	
EMT-I	uncommon for CHF patients suffering acute refractory hypoxemia to be		Here vent	ilation is the issue while	ePAP setting is desired treatment.	
2		ntilating. In such cases, additional ventilatory support will	oxygenati	on augmentation is not.	Here both ventilatory assistance	
	further decrease an already low EtCO2.				and oxygenation augmentation are	
					of concern.	
		CPAP Procedure		BiPAP Pro	of concern.	
	1.	CPAP Procedure	1.	BiPAP Pro Ensure adequate oxygen sup	of concern.	
	1.	CPAP Procedure Ensure adequate oxygen supply for CPAP	2.	Ensure adequate oxygen sup Explain the procedure to the	of concern. ocedure ply for CPAP device. patient.	
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Paramedic AEMT	1. 2. 3. 4. 5. 6. 7. 8. *If CP/ satura	CPAP Procedure Ensure adequate oxygen supply for CPAP Explain procedure to the patient Attach device CPAP to flowmeter / regulator (if no blender, use 100% oxygen) Place device in CPAP mode Adjust flowmeter / regulator to set CPAP to % cm H20 Place appropriate size mask on patient and check for leaks. Confirm desired pressure and adjust flowmeter as needed. Increase in increments of 2.5 cm H2O, as tolerated, to maintain desired SpO2 (90%) AP settings of 10 cm H2O fails to maintain target tion, consider manual ventilations and potential	2. 3. 4. 5. 6. 7. 8. 9. 10.	Ensure adequate oxygen sup Explain the procedure to the Attach device to flowmeter/ available set FiO <sub>2</sub> from 21% - 88% for known CO <sub>2</sub> retainers an issue; <u>&gt;</u> 92% for all others issue, and a blender is not av above under CPAP settings for Place device in CPAP mode. Adjust flowmeter/regulator using attached yellow sticker Place appropriate size mask If no leaks adjust flow to set cmH <sub>2</sub> O. Place device in BiLevel mode Adjust flowmeter/regulator becomes the iPAP. (Pressure Adjust the ePAP knob to set the patient exhales). A settin support of 5 cmH <sub>2</sub> O. Assess the patient. If the patient needs addition	of concern. Decedure ply for CPAP device. patient. regulator. If an oxygen blender is 50% to maintain desired SpO2 (≥ 5; 90% if refractory hypoxemia also ). If refractory hypoxemia is also an vailable use 100% oxygen as stated or Refractory Hypoxemia. to set CPAP pressure to 5 cm H <sub>2</sub> O r as a guide. on patient and check for leaks. CPAP pressure to a minimum of 8 to set CPAP to 10 cmH <sub>2</sub> O, this now when the patient inhales) the ePAP to 5 cmH <sub>2</sub> O (Pressure when ng of 10/5 will provide pressure al ventilatory support the iPAP can	
	1. 2. 3. 4. 5. 6. 7. 8. *If CP/ satura	CPAP Procedure Ensure adequate oxygen supply for CPAP Explain procedure to the patient Attach device CPAP to flowmeter / regulator (if no blender, use 100% oxygen) Place device in CPAP mode Adjust flowmeter / regulator to set CPAP to % cm H20 Place appropriate size mask on patient and check for leaks. Confirm desired pressure and adjust flowmeter as needed. Increase in increments of 2.5 cm H2O, as tolerated, to maintain desired SpO2 (90%) AP settings of 10 cm H2O fails to maintain target tion, consider manual ventilations and potential	2. 3. 4. 5. 6. 7. 8. 9. 10.	Ensure adequate oxygen sup Explain the procedure to the Attach device to flowmeter/ available set FiO <sub>2</sub> from 21% - 88% for known CO <sub>2</sub> retainers an issue; <u>&gt;</u> 92% for all others issue, and a blender is not av above under CPAP settings for Place device in CPAP mode. Adjust flowmeter/regulator using attached yellow sticker Place appropriate size mask If no leaks adjust flow to set cmH <sub>2</sub> O. Place device in BiLevel mode Adjust flowmeter/regulator becomes the iPAP. (Pressure Adjust the ePAP knob to set the patient exhales). A settin support of 5 cmH <sub>2</sub> O. Assess the patient. If the patient needs addition be increased to a maximum	of concern. Decedure ply for CPAP device. patient. regulator. If an oxygen blender is 50% to maintain desired SpO2 (> 5;90% if refractory hypoxemia also ). If refractory hypoxemia is also an vailable use 100% oxygen as stated or Refractory Hypoxemia. to set CPAP pressure to 5 cm H <sub>2</sub> O r as a guide. on patient and check for leaks. CPAP pressure to a minimum of 8 to set CPAP to 10 cmH <sub>2</sub> O, this now when the patient inhales) the ePAP to 5 cmH <sub>2</sub> O (Pressure when 1g of 10/5 will provide pressure	
	1. 2. 3. 4. 5. 6. 7. 8. *If CP/ satura	CPAP Procedure Ensure adequate oxygen supply for CPAP Explain procedure to the patient Attach device CPAP to flowmeter / regulator (if no blender, use 100% oxygen) Place device in CPAP mode Adjust flowmeter / regulator to set CPAP to % cm H20 Place appropriate size mask on patient and check for leaks. Confirm desired pressure and adjust flowmeter as needed. Increase in increments of 2.5 cm H2O, as tolerated, to maintain desired SpO2 (90%) AP settings of 10 cm H2O fails to maintain target tion, consider manual ventilations and potential	2. 3. 4. 5. 6. 7. 8. 9. 10.	Ensure adequate oxygen sup Explain the procedure to the Attach device to flowmeter/ available set FiO <sub>2</sub> from 21% - 88% for known CO <sub>2</sub> retainers an issue; ≥92% for all others issue, and a blender is not av above under CPAP settings for Place device in CPAP mode. Adjust flowmeter/regulator using attached yellow sticker Place appropriate size mask If no leaks adjust flow to set cmH <sub>2</sub> O. Place device in BiLevel mode Adjust flowmeter/regulator becomes the iPAP. (Pressure Adjust the ePAP knob to set the patient exhales). A settin support of 5 cmH <sub>2</sub> O. Assess the patient. If the patient needs addition be increased to a maximum providing pressure support of	of concern. <b>Decedure</b> ply for CPAP device. patient. regulator. If an oxygen blender is 50% to maintain desired SpO2 (> 5;90% if refractory hypoxemia also ). If refractory hypoxemia is also an vailable use 100% oxygen as stated or Refractory Hypoxemia. to set CPAP pressure to 5 cm H <sub>2</sub> O r as a guide. on patient and check for leaks. CPAP pressure to a minimum of 8 to set CPAP to 10 cmH <sub>2</sub> O, this now when the patient inhales) the ePAP to 5 cmH <sub>2</sub> O (Pressure when Ig of 10/5 will provide pressure al ventilatory support the iPAP can of 13 cm H <sub>2</sub> O with FlowSafe II+	
	1. 2. 3. 4. 5. 6. 7. 8. *If CP/ satura	CPAP Procedure Ensure adequate oxygen supply for CPAP Explain procedure to the patient Attach device CPAP to flowmeter / regulator (if no blender, use 100% oxygen) Place device in CPAP mode Adjust flowmeter / regulator to set CPAP to % cm H20 Place appropriate size mask on patient and check for leaks. Confirm desired pressure and adjust flowmeter as needed. Increase in increments of 2.5 cm H2O, as tolerated, to maintain desired SpO2 (90%) AP settings of 10 cm H2O fails to maintain target tion, consider manual ventilations and potential	2. 3. 4. 5. 6. 7. 8. 9. 10.	Ensure adequate oxygen sup Explain the procedure to the Attach device to flowmeter/ available set FiO <sub>2</sub> from 21% - 88% for known CO <sub>2</sub> retainers an issue; ≥92% for all others issue, and a blender is not av above under CPAP settings for Place device in CPAP mode. Adjust flowmeter/regulator using attached yellow sticker Place appropriate size mask If no leaks adjust flow to set cmH <sub>2</sub> O. Place device in BiLevel mode Adjust flowmeter/regulator becomes the iPAP. (Pressure Adjust the ePAP knob to set the patient exhales). A settin support of 5 cmH <sub>2</sub> O. Assess the patient. If the patient needs addition be increased to a maximum providing pressure support of	of concern. Decedure ply for CPAP device. patient. regulator. If an oxygen blender is 50% to maintain desired SpO2 (≥ 5; 90% if refractory hypoxemia also ). If refractory hypoxemia is also an vailable use 100% oxygen as stated or Refractory Hypoxemia. to set CPAP pressure to 5 cm H <sub>2</sub> O r as a guide. on patient and check for leaks. CPAP pressure to a minimum of 8 to set CPAP to 10 cmH <sub>2</sub> O, this now when the patient inhales) the ePAP to 5 cmH <sub>2</sub> O (Pressure when ng of 10/5 will provide pressure al ventilatory support the iPAP can of 13 cm H <sub>2</sub> O with FlowSafe II+ of 8 cmH <sub>2</sub> O. If pressure support of 8 red SaO <sub>2</sub> or EtCO <sub>2</sub> consider possible	

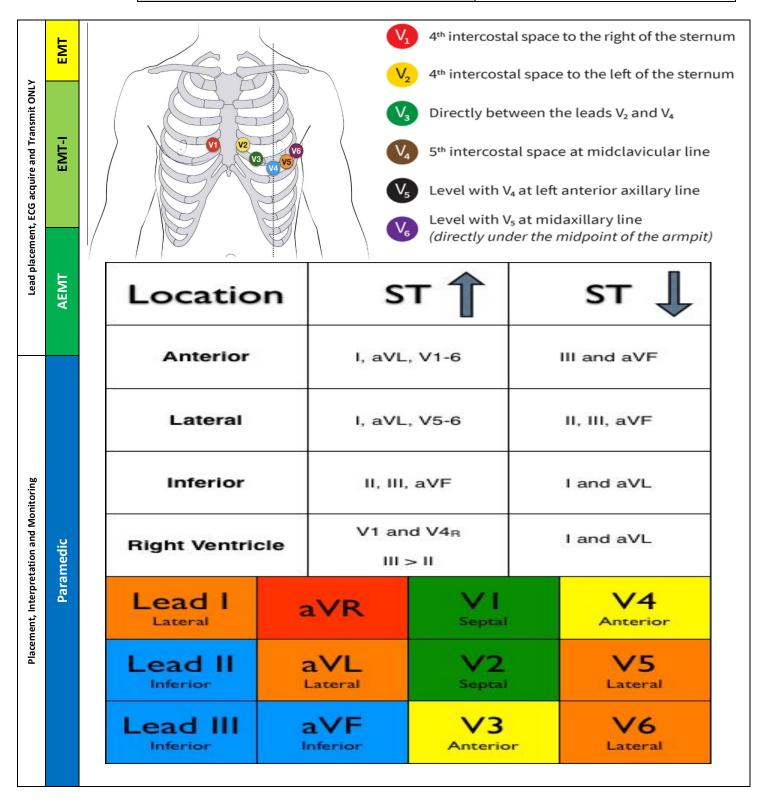
P For anxiety / agitation to assist with CPAP/BiPAP consider:



EMS Medical Director:	Dr. Brendan Hawthorn	Signature on file
EMS Director:	Jason M. Lewis	Signature on file
205 – Venous	Access Progression	Effective Date: 12/01/2022

EMT	NOT APPLICABLE
	Intravenous Access Procedure
EMT-I	<ul> <li>All attempts at IV access shall be performed using aseptic technique.</li> <li>All attempts at IV access shall be documented appropriately including all complications.</li> <li>External jugular vein cannulation is allowed for EMT-I, AEMT and Paramedic levels only.</li> <li>Venipuncture site and catheter size should be determined based on the needs of the patient while in EMS care, the patient's anatomy, as well as potential needs after care is transferred to hospital staff if possible.         <ul> <li>Examples include, but are not limited to:</li> <li>Attempting 18 gauge IV or larger in AC or higher for patients who may require a</li> </ul> </li> </ul>
	<ul> <li>CT scan.</li> <li>Avoiding cannulation on the right side (particularly below the AC) if the patient is a candidate for a heart catheterization.</li> </ul>
ИТ	1. All materials should be gathered and prepared for use prior to attempting IV access.
AEMT	2. Constricting band should be applied at least 2" above the prospective site.
	3. Cleanse the site with an alcohol prep pad in a circular, outward motion.
	4. Select appropriate size IV catheter.
	5. While drawing distal traction, insert the stylette (bevel up) until the flash chamber indicates
	venipuncture.
	6. While maintaining distal traction, advance the catheter just far enough to introduce the end of
0	cannula into the vein.
Paramedio	7. Feed the cannula over the stylette until the hub is flush with the patient's skin.
Para	8. Remove the constricting band and apply pressure to the vein proximal to the site to occlude.
	9. Remove the stylette, placing it immediately in the sharps container.
	10. Connect the extension set to the hub, flushing to assure a patent line.
	11. Secure in place with veni-guard and/or tape.

ZIS	EMS Medical Director:	Dr. Brendan Hawthorn	Signature on file
OGLETHORPE	EMS Director:	Jason M. Lewis	Signature on file
C O U N T Y GEORGIA	206 ECG Pla	cement Procedure	Effective Date: 12/01/2022





AEMT

Paramedic

EMS Medical Director:	Dr. Brendan Hawthorn	Signature on file
 EMS Director:	Jason M. Lewis	Signature on file
207 – Intraosseo	ous Access Progression	Effective Date: 12/01/2022

#### **Intraosseous Access Progression**

#### **INDICATIONS:**

Intraosseous access in indicated in any medically necessary case where vascular access is • unobtainable and urgent or emergent pharmaceutical intervention is necessary or anticipated.

#### **CONTRAINDICATIONS: (Absolute)**

- Fracture in the target bone
- Previous, significant orthopedic procedure at the target site
- Prosthetic limb or joint
- IO access in the past 48 hours of the target bone
- Infection at the target site.

#### **APPROVED SITES:**

- Proximal humerus (Adults Only)
- **Proximal tibia (Adults and Pediatrics)**

#### **PROGRESSION:**

- Prepare all equipment and cleans the target site with betadine using aseptic technique
- 2. Attach selected needle to drill and remove the safety cap
- 3. Remove the trigger guard
- 4. Push needle through the skin until the needle touches bone. (At least one black line must be visible outside the skin)
- 5. Apply gentle to moderate pressure and squeeze the trigger
- 6. IN ADULTS: Advance the needle approximately 1-2 cm into the medullary space; in proximal humerus for most adults, needle should be advanced 2 cm or until the hub is flush or against the skin.
- 7. IN PEDS: Release the trigger when a sudden "give" or "pop" is felt, indicating the entry into medullary space.
- 8. Stabilize the needle hub, disconnect the driver and remove the stylet.
- 9. Attach a primed EZ-Connect extension set to the hub, firmly secure by twisting clockwise.
- 10. Stabilize the site.

FOR PATEINTS RESPONSIVE TO PAIN CONSIDER:

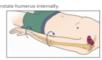
Lidocaine Adult: 40mg IO Pediatric: 0.5 mg/kg (20mg MAX)



#### EZ-IO\* traosseous Vascular Access System

#### Proximal Humerus







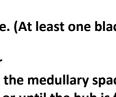




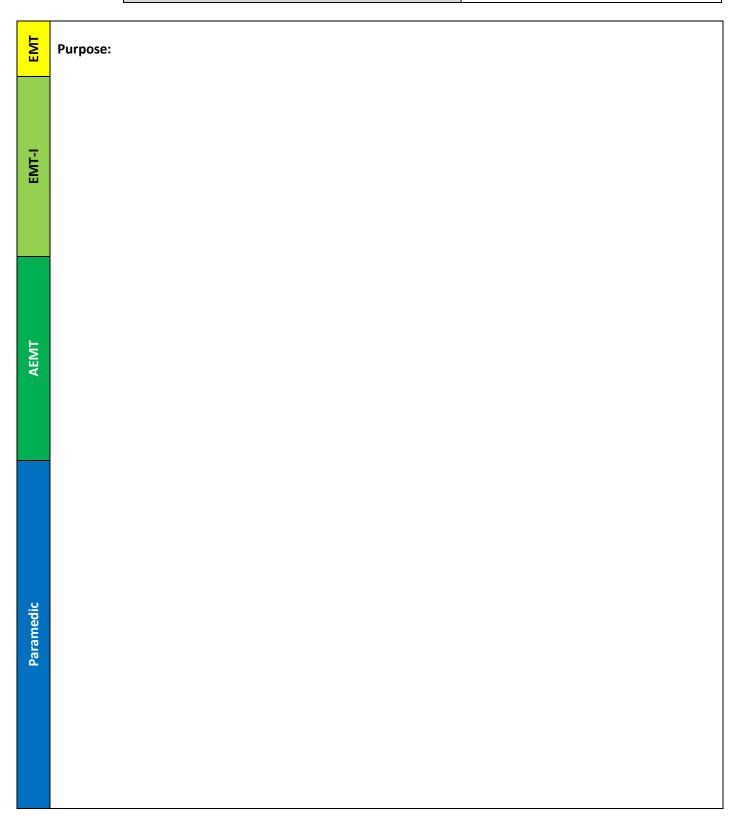








	EMS Medical Director:	Dr. Brendan Hawthorn	
OGLETHORPE	EMS Director:	Jason M. Lewis	
C O U N T Y GEORGIA	208 – Medi	cal Helicopter Use	Effective Date: 5/01/2022





EMS Medical Director:	Dr. Brendan Hawthorn	Signature on file
EMS Director:	Jason M. Lewis	Signature on file
211 – Spinal Immobilization Progression		Effective Date: 12/01/2022

	Spinal Immobilization Progression
EMT	<ul> <li>Selective Spinal Motion Restriction Criteria         <ul> <li>NSAIDS EXAM – All answers must be "NO" for no spinal restriction.</li> <li>N – Neuro Exam: Any focal deficit?</li> <li>S – Significant Mechanism: Ejection, significant fall, sudden deceleration injury?</li> <li>A – Alertness: Any change in mental status?</li> <li>I – Intoxication: Any evidence of drug or alcohol intoxication?</li> </ul> </li> </ul>
EMT-I	<ul> <li>D – Distracting injury: Any painful injury that may distract from spinal pain?</li> <li>S – Spinal Exam: Any point tenderness to spinal processes or pain with ROM?</li> <li>Patients meeting all the above criteria do not require spinal motion restriction. However, patients who fail one or more criteria above require spinal motion restriction, but do NOT always require use of the long spine board.</li> <li>Long spine boards are NOT considered standard of care in most cases of potential spinal injury. Spinal motion restriction with cervical collar and securing patient to cot while padding all void areas is appropriate in most cases.</li> </ul>
AEMT	<ul> <li>Manual C-spine Control</li> <li>Long Spine Board         <ul> <li>C-spine must be maintained throughout process.</li> <li>Assess distal pulses, distal motor function and distal sensation.</li> <li>Place appropriate size C-collar and secure.</li> <li>Log roll patient, inspect the spine, roll patient to long spine board.</li> <li>Properly position patient on LSB using vertical movements.</li> <li>Secure the patient's torso, pelvis and legs.</li> <li>Secure the patient's head.</li> <li>Reassess distal pulses, distal motor function and distal sensation.</li> </ul> </li> </ul>
Paramedic	<ul> <li>C-spine must be maintained throughout process.</li> <li>Assess distal pulses, distal motor function and distal sensation.</li> <li>Place appropriate size C-collar and secure.</li> <li>Place KED and affix firmly in the axillary area.</li> <li>Secure straps as follow: middle, bottom, top, legs, head.</li> <li>Place patient on Long Spine Board and release the leg straps</li> <li>Properly position patient on LSB using vertical movements.</li> <li>Secure the patient's torso, pelvis and legs.</li> <li>Secure the patient's head.</li> <li>Reassess distal pulses, distal motor function and distal sensation.</li> </ul>



EMS Medical Director:	Dr. Brendan Hawthorn	
EMS Director:	Jason M. Lewis	
Allergic Reaction / Anaphylaxis - 301		Effective Date: 6/01/2024

	Allergic reactions vary in severity from mild urticaria to severe anaphylaxis. Treatment is based on the severity of symptoms.
	Subjective: contact with a known or potential allergen
	Objective:
	Mild: localized edema and itching
	Moderate: systemic cutaneous effects such as hives and itching
s	Severe: respiratory distress, wheezing, stridor, throat tightness, orofacial edema, and/or hypotension.
uo	Severe. respiratory distress, wheezing, struct, throat lightness, ororacial edenia, and/or hypotension.
ati	
ler	Assessment and History (SAMPLE)
Considerations	<ul> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> </ul>
	<ul> <li>AP Monitor capnography (if appropriate and available)</li> </ul>
0	<ul> <li>P Initiate cardiac monitor</li> </ul>
	<ul> <li>Perform and evaluate 12-lead ECG (if appropriate and does not delay care)</li> </ul>
	E – I – A Obtain and transmit 12-lead ECG (if appropriate and does not delay care)
	A high index of suspicion should exist with those patients who have a known contact with an allergen but have yet to
	develop signs or symptoms. These patients should be monitored closely as symptoms can appear and/or worsen
	rapidly.
EMT	Oxygen Therapy
ш	(Appropriate for degree of distress) **MAY ASSIST PATIENT WITH THEIR OWN EPINEPHRINE AUTOINJECTOR**
	Albutaral 2 Emg OD Vananay 0 62mg
	Albuterol 2.5mg OR Xopenex 0.63mg
	May repeat PRN for wheezing.
Ē	IV / IO Access
EMT-I	
	Normal Saline
	Maintenance: 60 ml/hr (KVO)
	Bolus for Hypotension: 20 ml/kg
H	<u>Anaphylaxis:</u>
EM	Epinephrine 1:1000
AE	0.3-0.5 mg IM
	(May repeat every 5 minutes X 2; PRN)
	Benadryl
	25-50 mg IV/IM
0	(Contraindicated in asthma)
die	
me	Solumedrol
Paramedic	125 mg IV
Å	
	Pepcid
	20 mg IV

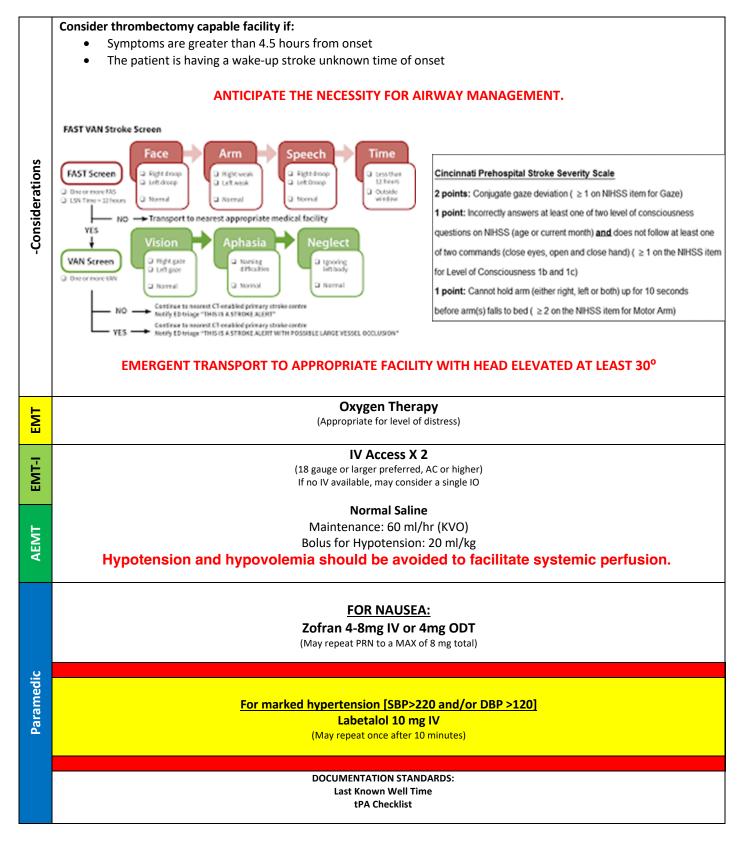


Altered Mental Status (unknown) - 302		Effective Date: 6/01/2024
EMS Director:	Jason M. Lewis	
EMS Medical Director:	Dr. Brendan Hawthorn	

<ul> <li>Primary Survey         <ul> <li>Determine Responsiveness (AVPU); Document initial GCS; Document GCS at destination (if transpo</li> <li>Assure Patent Airway → Refer to <u>Airway Management Progression</u> if indicated.</li> <li>Assess Breathing (rate, quality, and degree of distress) → Refer to <u>Respiratory Distress Protocol</u> if indicated.</li> <li>Assess Circulation (rate, rhythm, and quality) → Refer to <u>Shock Protocol</u> if indicated.</li> </ul> </li> <li>Secondary Assessment and History (SAMPLE)         <ul> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>AP Monitor capnography (if appropriate and available)</li> <li>Check blood glucose level → Refer to <u>Altered Blood Glucose Protocol</u> as indicated.</li> <li>P Initiate cardiac monitor</li> <li>P Perform and evaluate 12-lead ECG (if appropriate and does not delay care)</li> <li>E - I - A Obtain and transmit 12-lead ECG (if appropriate and does not delay care)</li> <li>Perform physical exam DCAPBTLS.</li> </ul> </li> </ul>	ted)
<ul> <li>Assure Patent Airway → Refer to <u>Airway Management Progression</u> if indicated.</li> <li>Assess Breathing (rate, quality, and degree of distress) → Refer to <u>Respiratory Distress Protocol</u> if indicated.</li> <li>Assess Circulation (rate, rhythm, and quality) → Refer to <u>Shock Protocol</u> if indicated.</li> <li>Secondary Assessment and History (SAMPLE)         <ul> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>AP Monitor capnography (if appropriate and available)</li> <li>Check blood glucose level → Refer to <u>Altered Blood Glucose Protocol</u> as indicated.</li> </ul> </li> </ul>	ted)
<ul> <li>Assess Breathing (rate, quality, and degree of distress) → Refer to <u>Respiratory Distress Protocol</u> if indicated.</li> <li>Assess Circulation (rate, rhythm, and quality) → Refer to <u>Shock Protocol</u> if indicated.</li> <li>Secondary Assessment and History (SAMPLE)         <ul> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>AP Monitor capnography (if appropriate and available)</li> <li>Check blood glucose level → Refer to <u>Altered Blood Glucose Protocol</u> as indicated.</li> </ul> </li> </ul>	
<ul> <li>indicated.</li> <li>Assess Circulation (rate, rhythm, and quality) → Refer to <u>Shock Protocol</u> if indicated.</li> <li>Secondary Assessment and History (SAMPLE)</li> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>AP Monitor capnography (if appropriate and available)</li> <li>Check blood glucose level → Refer to <u>Altered Blood Glucose Protocol</u> as indicated.</li> </ul>	
<ul> <li>Secondary Assessment and History (SAMPLE)         <ul> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>AP Monitor capnography (if appropriate and available)</li> <li>Check blood glucose level → Refer to <u>Altered Blood Glucose Protocol</u> as indicated.</li> </ul> </li> </ul>	
<ul> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>AP Monitor capnography (if appropriate and available)</li> <li>Check blood glucose level → Refer to <u>Altered Blood Glucose Protocol</u> as indicated.</li> </ul>	
• Check blood glucose level $\rightarrow$ Refer to <u>Altered Blood Glucose Protocol</u> as indicated.	
<ul> <li>P Perform and evaluate 12-lead ECG (if appropriate and does not delay care)</li> <li>E - I - A Obtain and transmit 12-lead ECG (if appropriate and does not delay care)</li> <li>Perform physical exam DCAPBTIS</li> </ul>	
E = -1 = A Obtain and transmit 12-lead ECG (if appropriate and does not delay care)	
Perform physical exam DCADBTLS	
o renom physical exam bear bies.	
<ul> <li>A – alcohol, abuse of substance, acidosis</li> </ul>	
• E – <u>environmental</u> , <u>epilepsy</u> , electrolytes	
○ I – infection	
<ul> <li>O – <u>overdose, opiates</u></li> <li>U – uremia</li> </ul>	
<ul> <li>U – uremia</li> <li>T – trauma</li> </ul>	
$\circ$ I – insulin	
• P – psychogenic	
• S – <u>stroke</u> , shock	
Oxygen Therapy	
Oxygen Therapy (Appropriate for degree of distress)	
IV / IO Access	
Normal Saline	
Maintenance: 60 ml/hr (KVO)	
Bolus for Hypotension: 20 ml/kg	
AMS for unknown reason <u>with</u> compromise of airway or respiratory depression:	
Narcan	
(May repeat PRN to a MAX of 8mg total)	
0.4 – 2 mg IV/IN/IO (May repeat PRN to a MAX of 8mg total)	

Ē		EMS Medical Director:	Dr. Brendan Hawthorn	
OGL	ETHORPE	EMS Director:	Jason M. Lewis	
	GEORGIA	Respiratory Distre	ss (Bronchospasm) - 303	Effective Date: 6/01/2024
Any patient with dyspnea should be monitored and treated aggressively. Extended periods of exertion can cause the patient to rapidly determinitor respiratory failure. Subjective: Complaints of dyspnea or shortness of breath. Objective: Audible wheezes, auscultated wheezes or diminished breath sounds, accessory muscle usage, cough, chest wall pain, <ul> <li>Assessment and History (SAMPLE)</li> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>AP Monitor capnography (if appropriate and available)</li> <li>Pinitiate cardiac monitor</li> <li>Perform and evaluate 12-lead ECG (if appropriate and does not delay care)</li> <li>E - A Obtain and transmit 12-lead ECG (if appropriate and does not delay care)</li> </ul>			unds, accessory muscle usage, cough, chest care)	
EMT			Oxygen Therapy (Appropriate for degree of distress) *CPAP PROCEDURE AS INDICA	TED*
EMT-I	Albuterol 2.5 mg OR Xopenex 0.63 mg; nebulized May repeat PRN for wheezing. COPD: Consider initial treatment mixed with Atrovent 0.5mg (MAX dose 0.5mg total) *BiPAP PROCEDURE AS INDICATED* IV / IO Access Normal Saline Maintenance: 60 ml/hr (KVO) Bolus for Hypotension: 20 ml/kg			
AEMT	IF SEVERE: Epinephrine 1:1000 0.3-0.5 mg IM (May repeat every 5 minutes X 2; PRN)			
Paramedic		2-4	Solumedrol 125mg IV/IO TO SEVERE ASTHMA REFRACTORY Magnesium Sulfate grams in 250 ml D5W IV/IO over 1 May mix with NS if D5W is unavailab ation to assist with CPAP/BiPAP Ativan 0.5 – 1 mg IV/IO	0 minutes le.

	EMS Medical Director:	Dr. Brendan Hawthorn	
OGLETHORPE	EMS Director:	Jason M. Lewis	
COUNTY GEORGIA	CVA/	Stroke – 304	Effective Date: 6/01/2024



<sup>1</sup> the reference guidance for this section is the <u>2019 AHA Powers et al</u> statement on early management of patients with acute ischemic stroke

	EMS Medical Director:	Dr. Brendan Hawthorn		
OGLETHORPE	EMS Director:	Jason M. Lewis		l
C O U N T Y GEORGIA	Genera	Medical - 305	Effective Date: 06/01/2024	

Considerations	Objective: Complaints of general sickness, non-traumatic abdominal / flank pain, flu-symptoms, fever, nausea, vomiting, diarrhea,         Assessment:         • Assessment and History (SAMPLE)         • Monitor vital signs (BP, HR, RR, Oximetry)         • A? Monitor capnography (if appropriate and available)         • Pinitiate cardiac monitor         • Perform and evaluate 12-lead ECG (if appropriate and does not delay care)         • E-A Obtain and transmit 12-lead ECG (if appropriate and does not delay care)
EMT	Oxygen Therapy (Appropriate for degree of distress)
EMT-I	**IV / IO Access** Normal Saline Maintenance: 60 ml/hr (KVO) Bolus for Hypotension: 20 ml/kg
AEMT	FOR NAUSEA: PRIMARY - Zofran 4 - 8mg IV or 4mg ODT (May repeat once in 15 minutes to a MAX of 8mg Total) (If no IV access, may give 4 – 8mg IM in 4mg increments)
Paramedic	FOR NAUSEA REFRACTORY TO ZOFRAN ADMINISTRATION SECONDARY Compazine 5-10 mg slow IVP or IM [MAX:10 mg] (IV administration should not exceed 5mg/minute) For non-GI hemorrhages in the presence of physiologic signs of shock (elevated pulse, hypotension, etc.) consider: Tranexamic Acid (TXA) 2 grams in Normal Saline IV/IO over 10 minutes FOR PAIN MANAGEMENT SECONDARY TO SUSPECTED KIDNEY STONE(S): REFER TO PAIN MANAGEMENT PROTOCOL - 320



	EMS Medical Director:	Dr. Brendan Hawthorn	
	EMS Director:	Jason M. Lewis	
2	Environmental Exposure - 306		Effective Date: 6/01/2024

	١.	
	a.	Heat Cramps:
		i. Remove patient from hot environment, if able.
		ii. Remove excessive clothing.
	b.	Heat Exhaustion:
		i. Monitor patient for changes in mental status.
		ii. Obtain a temperature.
	c.	Heat Stroke:
S		i. If temperature is greater than 103 and due to the environment apply ice packs to the axilla
ion		and groin area.
rat		ii. Do not cool patient to the point of shivering.
side		iii. If the patient is seizing $\rightarrow$ refer to Seizure Protocol as indicated.
Considerations	н.	HYPOTHERMIA
•	a.	Mild Hypothermia:
		i. Remove patient from cold environment.
		ii. Remove any wet garments.
		iii. Keep patient supine and avoid rough handling.
		iv. Protect with blankets.
		v. For mild hypothermia, warm IV fluids can be used if available.
		vi. Apply hot packs to the axilla and groin.
	b.	Active rewarming should be avoided in the pre-hospital setting for patients who are severely
		hypothermic (i.e. not shivering, altered mental status).
EMT		Oxygen Therapy
Ш		(Appropriate for degree of distress)
-		
EMT-I		IV / IO Access
Ē		Normal Saline
ИΤ		Maintenance: 60ml/hr (KVO)
AEN		Bolus for Hypotension: 20 ml/kg
A		
		<u>FOR SEIZURES:</u> Refer to seizure protocol – 311
C		
edi		
am		FOR PAIN MANAGEMENT ASSOCIATED WITH REWARMING:
Paramedic		Refer to pain management protocol - 320



	EMS Director:	Dr. Brendan Hawthorn Jason M. Lewis	
4	Altered Blood Glucose - 307		Effective Date: 6/01/2024

	Assessment: Symptoms may include:				
Considerations	Hypoglycemia: Altered mental status, unresponsiveness, fatigue, confusion, seizures, dysphasia, pale skin, trembling, anxiety, diaphoresis, hunger, irritability, combative behavior	<u>Hyperglycemia:</u> Nausea, vomiting, weakness, confusion, altered mental status, coma, abdominal pain, excessive thirst, frequent urination, dry mouth, fruity-smelling breath.			
Consi	<ul> <li>Assessment and History (SAMPLE)         <ul> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>AP Monitor capnography (if appropriate and available</li> <li>Blood Glucose Evaluation</li> <li>P Initiate cardiac monitor</li> <li>P Perform and evaluate 12-lead ECG (if appropriate a</li> <li>E - A Obtain and transmit 12-lead ECG</li> </ul> </li> </ul>	nd does not delay care)			
EMT	Oxygen Therapy (Appropriate for level of distress)				
	Hypoglycemia BGL<60 and symptomatic: IV / IO Access	Hyperglycemia BGL>200 and symptomatic: IV / IO Access			
EMT-I	Normal Saline Maintenance: 60ml/hr (KVO) Bolus for Hypotension: 500 – 1000 ml Oral Glucose 15 grams (If not contraindicated by airway or inability to swallow) 10% Dextrose 125ml IV/IO (May repeat PRN to maintain BGL>60)	Normal Saline Maintenance: 60ml/hr (KVO) Bolus for Hyperglycemia: 500 – 1000 ml Special Considerations: I – A – P			
AEMT	FOR NAUSEA: PRIMARY – Zofran 4 - 8mg IV or 4mg ODT (May repeat once in 15 minutes to a MAX of 8mg Total) (If no IV access, may give 4 – 8mg IM in 4mg increments)	50% Dextrose 12.5 – 25 grams IV/IO/PR If patient is in cardiac arrest, is combative, or there is no suitable IV/IO site.			
Paramedic	SECONDARY 5-10 mg slow IVP	O ZOFRAN ADMINISTRATION Compazine or IM [MAX:10 mg] d not exceed 5mg/minute]			

	EMS Medical Director:	Dr. Brendan Hawthorn	
OGLETHORPE	EMS Director:	Jason M. Lewis	
GEORGIA	Hyperter	nsive Crisis - 308	Effective Date: 6/01/2024

Considerations	NOTE: Hypertension can be compensatory in certain situations. A thorough and complete patient assessment may reveal the underlying cause of hypertension. Lowering a patient's blood pressure should be attempted only when the criteria of this order are met. Objective: headache, chest pain, shortness of breath, vertigo, nausea and vomiting, epistaxis Assessment: • Assessment and History (SAMPLE) • Monitor vital signs (BP, HR, RR, Oximetry) • AP Monitor capnography (if appropriate and available) • P Initiate cardiac monitor • P Perform and evaluate 12-lead ECG (if appropriate and does not delay care) • E A Obtain and transmit 12-lead ECG (if appropriate and does not delay care)				
EMT		Therapy level of distress)			
EMT-I	IV / IO Access Normal Saline Maintenance: 60ml/hr (KVO)				
AEMT	FOR NAUSEA: PRIMARY - Zofran 4 - 8mg IV or 4mg ODT (May repeat once in 15 minutes to a MAX of 8mg Total) (If no IV access, may give 4 – 8mg IM in 4mg increments)				
	<ul> <li>Chest pain with suspicion of dissection</li> <li>Altered mental status</li> <li>Congestive heart failure</li> <li>CVA symptoms (REFER TO CVA/STROKE STAND Labetalol 1</li> </ul>	c pressure is >120 and any of the following: PING ORDER 304) .0 mg IV/IO minutes at 20mg IV/IO)			
Paramedic	FOR NAUSEA REFRACTORY TO ZOFRAN ADMINISTRATION SECONDARY - Compazine 5-10 mg slow IVP or IM [MAX:10 mg] (IV administration should not exceed 5mg/minute]	SEVERE PRE-ECLAMPSIA IF PATIENT IS: 1. At least 20 weeks gestation to 6 weeks postpartum AND 2. New onset of hypertension AND 3. SBP> 180 and/or DBP> 110 CONSIDER: Magnesium Sulfate 2 grams in 250 ml D5W IV/IO over 10 minutes (May mix with NS if D5W is unavailable) REFER TO OBSTETRIC CRISIS- 310			



Child Birth - 309		Effective Date: 6/01/2024
EMS Director:	Jason M. Lewis	
EMS Medical Director:	Dr. Brendan Hawthorn	

Considerations	Objective: spasmodic pain, vaginal discharge, or bleeding, crowning or urge to push, meconium         Assessment:         • Secondary Assessment and History (SAMPLE)         • Monitor vital signs (BP, HR, RR, Oximetry)         • AP Monitor capnography (if appropriate and available)         • Check blood glucose level         • P Initiate cardiac monitor         • Perform and evaluate 12-lead ECG (if appropriate and does not delay care)         • Perform physical exam DCAPBTLS					
	Normal Presentation	Limb Presentation	Breech Present		rd Presentation	
	<ul> <li>Deliver and support the head.</li> </ul>	Place patient in the left lateral recumbent position.	Support body of the during delivery of he	-	n patient on elbows ees with hips ed.	
	<ul> <li>Suction Mouth, then nose; If meconium is present, repeat several times.</li> </ul>			dressir	-	
	<ul> <li>Deliver upper shoulder, then lower shoulder.</li> </ul>			baby o and do	gloved hand to lift ff the cord; obtain cument cord pulse. Nuchal Cord	
EMT	• Deliver the remainder of the baby.			Insert the ba	gloved hand to lift by off the cord; and document cord	
	<ul> <li>Clamp the umbilical cord twice         <ul> <li>(approximately 6" form the baby's</li> </ul> </li> </ul>		valuate @ 1 and	pulse.		
	<ul> <li>abdomen) then cut the cord between the two clamps.</li> <li>If multiple births,</li> </ul>	Sign	2	1	0	
		A Activity (muscle tone	Active	Arms and legs flexed	Absent	
		P Pulse	>100 bpm	<100 bpm	Absent	
	<ul> <li>Deliver placenta.</li> </ul>	G Grimace (reflex irritability)	Sneezes, coughs, pulls away	Grimaces	No response	
EMT-I	IV/IO Access	A Appearance (skin color)	Normal over entire body	Normal except extremities	Cyanotic or pale all over	
AEMT	Maintenance: 60ml/hr (K For hypotension: 20 ml/l (May repeat PRN to maintain a SBP>90	(g	Good, crying	Slow, irregular	Absent	
Paramedic	FOR SEVERE PC	OST DELIVERY BLEEDING AN Tranexamic		PERFUSION CO	NSIDER:	



	Dr. Brendan Hawthorn	
EMS Director:	Jason M. Lewis	
Obstetric Crisis - 310		Effective Date: 12/01/2022

<u>bjective:</u> Signs and sympto eadache, visual changes, e <u>Pre-eclampsia / eclampsia</u> SBP> 180 or DBP>110 Headache	ampsia, placenta previa, abr oms may include vaginal blee dema to the hands or face. Placenta Previa Bright red vaginal bleeding during the second half of		ures, hypertension, severe Spontaneous Abortion			
SBP> 180 or DBP>110 Headache	Bright red vaginal bleeding during the second half of					
SBP> 180 or DBP>110 Headache	Bright red vaginal bleeding during the second half of					
Headache	during the second half of	AILEI ZU WEEKS	Driar to 20 wooks			
	-		Prior to 20 weeks			
		Vaginal bleeding	Eluid blood or tissue			
	Headache pregnancy		Fluid, blood, or tissue passing from the vagina			
Vicual Dicturbancoc	Often painless	Abdominal / Back Pain	passing nom the vagina			
Visual Disturbances	Often painless		Abdominal / back pain			
Seizure (eclamosia)	Can cause heavy bleeding		Abdominary back pain			
Seizure (eclampsia)						
	during of after derivery					
Oxygen Therapy (Appropriate for level of distress)						
IV/IO Access						
					Normal Saline	
Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg (May repeat to maintain SBP >90 mmHg)						
For hypotension: 20 ml/kg						
(May repeat to maintain SBP >90 mmHg)						
		during or after delivery         FOR PATIENTS WITH PRE-ECLAMPSIA / ECLAMPSIA, TRANSPORT SHOULD BE ACHIEVED WIT         Oxygen         (Appropriate for         U/IO /         Normal         Maintenance: 6         For hypotensis         (May repeat to main)         SEVERE PRE-         IF PATI         At least 20 weeks gestation for         New onset of hypotensis         Qargams in 250ml DS         (May mix with NS if         FOR SEIZURE         Magnesium S         4 grams in 250ml DS         (May mix with NS if         FOR SEIZURE ACTIVITY REF	during or after delivery  FOR PATIENTS WITH PRE-ECLAMPSIA / ECLAMPSIA, EXTERNAL STIMULI COULT TRANSPORT SHOULD BE ACHIEVED WITHOUT LIGHTS AND SIRENS  Oxygen Therapy (Appropriate for level of distress)  IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) Sor hypotension: 20 ml/kg (May repeat to maintain SBP >90 mmHg)  EVERE PRE-ECLAMPSIA EVENTOR Sevent Station to 6 weeks postpartum AND New onset of hypertension AND SBP 180 and/or DBP>110  Magnesium Sulfate IV/IO 2 grams in 250ml D5VM over 10 minutes (May mix with NS if D5W is unavailable)  EVENTOR  A grams in 250ml D5VM over 10 minutes (May mix with NS if D5W is unavailable)  EVENTOR  A grams in 250ml D5VM over 10 minutes (May mix with NS if D5W is unavailable)  EVENTOR  A grams in 250ml D5VM over 10 minutes (May mix with NS if D5W is unavailable)  EVENTOR  A grams in 250ml D5VM over 10 minutes (May mix with NS if D5W is unavailable)			

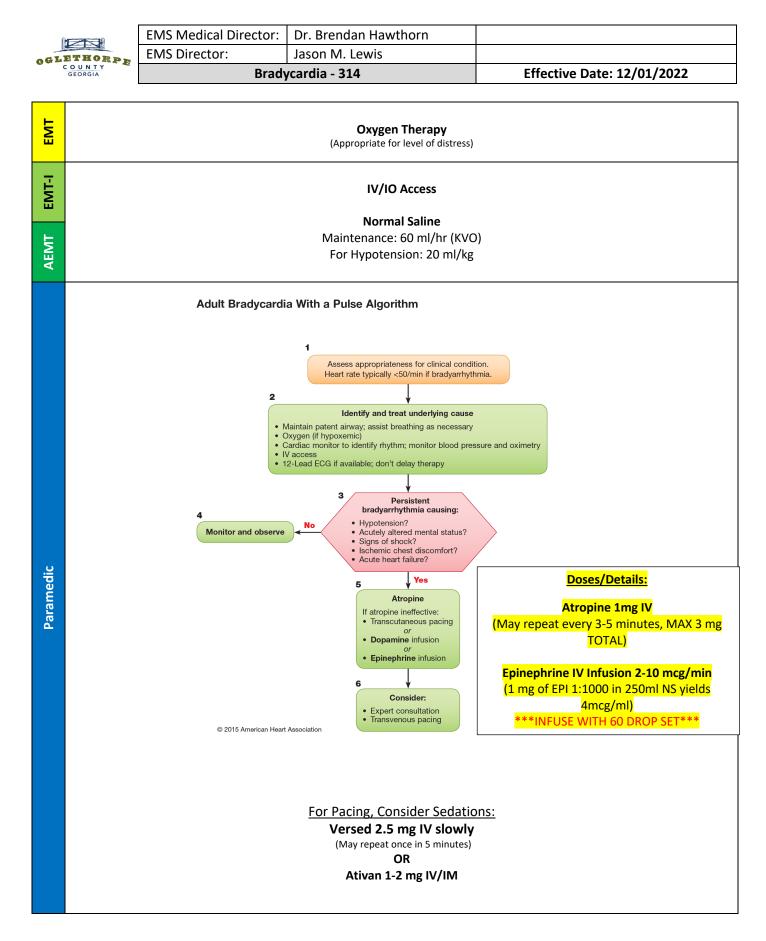
	EMS Medical Director:	Dr. Brendan Hawthorn	
OGLETHORPE	EMS Director:	Jason M. Lewis	
GEORGIA	Sei	zure - 311	Effective Date: 6/01/2024

	Objective, signs and symptoms include	la abconvetion of colours activity doe	proacod montal status (postistal)				
	Objective: signs and symptoms includ		liedseu mental status (posticial),				
	sleepiness, incontinence, unconsciou	sness.					
	Assessment:						
	<ul> <li>Secondary Assessment and His</li> </ul>						
	<ul> <li>Monitor vital signs (BP</li> </ul>	· · · · · · · · · · · · · · · · · · ·					
		hy (if appropriate and available)					
	<ul> <li>Check blood glucose le</li> </ul>						
ns	<ul> <li>P Initiate cardiac moni</li> </ul>						
tio		e 12-lead ECG (if appropriate and does i					
rat		nd transmit 12-lead ECG (if appropriate and does n	ot delay care)				
ide	<ul> <li>Perform physical exam</li> </ul>	DCAPBTLS					
Considerations							
S	Status Epilepticus	Grand Mal Seizures	Focal Seizures				
	Two or more seizures successively	Generally, are associated with a loss	Affect only part of the body and are				
	without an intervening lucid period	of consciousness, incontinence, and	not usually associated with a loss of				
	or a seizure lasting over five	oral trauma.	consciousness.				
	minutes.						
	Consider possible sources CNS trav	me tumer hunevie medication non es	muliance infection fores cleaned				
		ıma, tumor, hypoxia, medication non-co npsia, stroke, hyperthermia, hypotherm					
	withdrawai, etian	npsia, stroke, nypertnermia, nypotnerm	ia, nypogiycemia.				
Г							
EMT		Oxygen Therapy					
ш		(Appropriate for level of distress)					
_							
EMT-I	IV / IO Access						
Ē							
	Normal Saline						
МТ	Maintenance: 60ml/hr (KVO)						
AEMT	Bolus for Hypotension: 20 ml/kg						
		Versed					
		2.5 mg IV/IO (MAX 10mg)					
		or 5 mg IM/IN (MAX 15mg)					
	(May repeat every	3 minutes PRN for continuous seizures so long as v	itals remain stable)				
	(						
dic							
Paramedic	OR						
an.							
Pai	Ativan						
		2 mg IV/IM					
		(May repeat once in 5 minutes)					

ĩ	177 U	EMS Medical Director:	Dr. Brendan Hawt	horn			
OGL	ETHORPE	EMS Director:	Jason M. Lewis				
	GEORGIA	Chest Pain/S	Chest Pain/STEMI/nSTEMI - 312		Effecti	ve Date: 6/01	/2024
Considerations	<ul> <li>Secondary Assessment and History (SAMPLE)         <ul> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>Monitor capnography (if appropriate and available)</li> <li>Check blood glucose level</li> <li>P Initiate cardiac monitor</li> <li>P Perform and evaluate 12-lead ECG and transmit to destination PCI facility. Repeat 12-lead at least once.</li> <li>E - A Obtain and transmit 12-lead ECG</li> </ul> </li> <li>***STEMI ALERT SHOULD BE CALLED AS QUICKLY AS POSSIBLE TO PREPARE THE CATH LAB***</li> </ul>						
EMT				Therapy degree of distress)			
EMT-I	IV / IO Access (Consider additional IV if STEMI or nSTEMI) Normal Saline Maintenance: 60ml/hr (KVO) Bolus for Hypotension: 500 – 1000 ml titrated May assist patient with their own: Aspirin 324mg PO (If not contraindicated) May assist patient with their own: Nitroglycerin 0.4mg SL (May repeat every 5 minutes X 2 if SBP>100)						
AEMT	Aspirin 324mg PO (If not contraindicated)       FOR NAUSEA:         Nitroglycerin 0.4mg SL (May repeat every 5 minutes X 2 if SBP>100)       -PRIMARY - Zofran 4 - 8mg IV or 4mg ODT (May repeat once in 15 minutes to MAX of 8mg Total) (If no IV access, may give 4 - 8mg IM in 4mg increments)				,		
	*Depei	ndent on transport time, w	ith improvement of s	ymptoms after	second SL Nitro	oglycerine, may	consider:
			litroglycerine Paste ½			<b>`</b>	
Imag/kg; IV/IO/IM       Imag/kg; IV/IO/IM         (MAX single dose = 100 mcg; May repeat PRN)       III Inferior         Total dosages >200mcg require medical control approval.       III Inferior         **Should be used first line when SBP<100**       III Inferior         FOR CARDIOGENIC SHOCK:       III Inferior         Norepinephrine       V3 /				O ZOFRAN ADMI Compazine or IM [MAX:10 m	g]		
					aVF Inferior	v	'3 Anterior

	EMS Medical Director:	Dr. Brendan Hawthorn	
OGLETHORPE	EMS Director:	Jason M. Lewis	
C O U N T Y GEORGIA	CHF / Acute Pu	lmonary Edema - 313	Effective Date: 6/01/2024

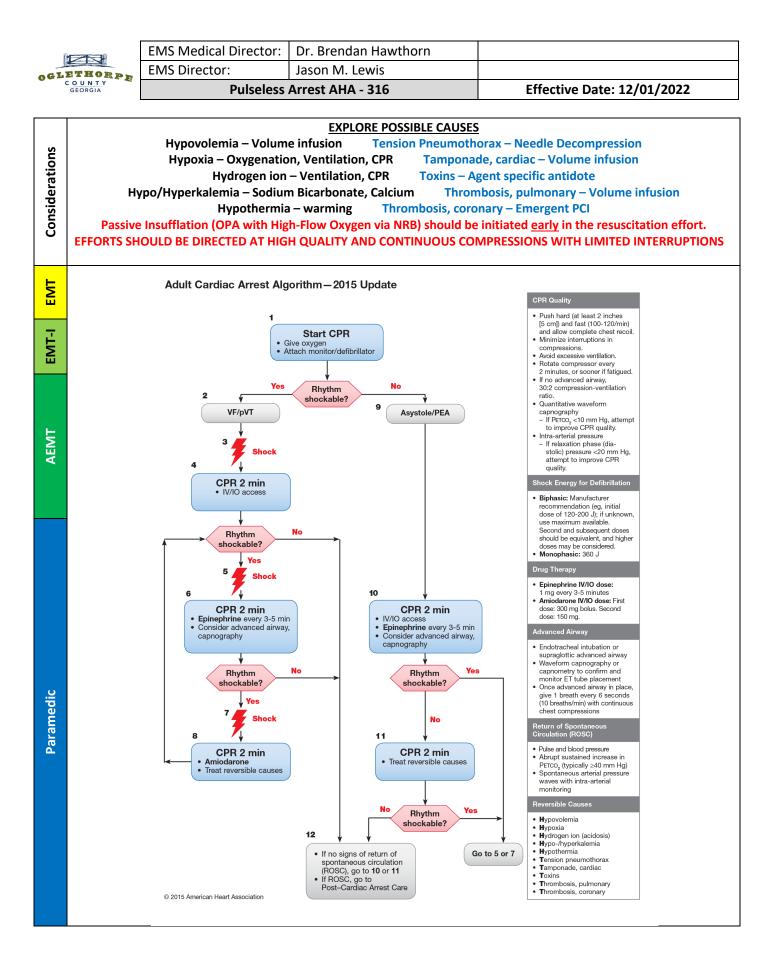
	Objective: respiratory distress, rales, orthopnea, JVD, pink frothy sputum, peripheral edema, diaphoresis, hypotension,
	shock, chest pain.
Considerations	Assessment:
tio	Secondary Assessment and History (SAMPLE)
rat	• Monitor vital signs (BP, HR, RR, Oximetry)
de	• AP Monitor capnography (if appropriate and available)
Isi	<ul> <li>Check blood glucose level</li> </ul>
o	• P Initiate cardiac monitor
0	• Perform and evaluate 12-lead ECG
	E – I – A Obtain and transmit 12-lead ECG (if appropriate and does not delay care)
	Oursen Therenu
EMT	Oxygen Therapy (Appropriate for degree of distress)
	IV / IO Access
EMT-I	Normal Saline
Σ	Maintenance: 60ml/hr (KVO)
	Bolus for Hypotension: 20ml/kg titrated **IF NOT CONTRAINDICATED**
F	
AEMT	REFER TO CPAP / BiPAP Procedure [204]
AE	
	Nitroglycerin 0.4mg SL
	(May repeat X 2 if SBP>100 mmHg)
	OR
	Nitroglycerin Paste
	½-2 inches, transdermal
	(Maintain SBP > 100 mmHg)
	Loviv
	40 mg IV/IM
dic	(May repeat once unless contraindicated)
Parame	Morphine Sulfate
la B	
Pa	<b>2-10mg IV/IO</b> (Maintain SBP > 100 mmHg)
	(Maintain SBP > 100 mining)
	For Anxiety: For Cardiogenic Shock:
	Versed 2.5mg IV/IO/IM Levophed 2-20 mcg/min IV; titrated
	OR (TITRATE TO: SBP>90mmHg or MAP 70 or greater)
	Ativan 0.5 – 1 mg IV/IM
	For Hypertensive Crisis (SBP>230 or DBP>130):
	Labetalol 10mg IV/IO
	(May repeat once in 10 minutes at 20mg IV/IO)





EMS Medical Director:Dr. Brendan HawthornEMS Director:Jason M. LewisTachycardia - 315Effective Date: 12/01/2022

EMT	Oxygen Therapy (Appropriate for level of distress)		
EMT-I	IV/IO Access		
AEMT	Normal Saline Maintenance: 60 ml/hr (KVO) For Hypotension: 20 ml/kg		
Paramedic	<section-header><complex-block></complex-block></section-header>		





	EMS Medical Director:	Dr. Brendan Hawthorn	
,	EMS Director:	Jason M. Lewis	
	Behavioral Crisis - 317		Effective Date: 12/01/2022

	The first priority at the scene of a behavioral crisis is the safety of all EMS Personnel.			
Considerations	Excited Delirium Syndrome:       S.A.F.E.R <ul> <li>Combination of delirium, psychomotor agitation, anxiety, hallucinations, speech disturbances, disorientation, violent behavior, insensitivity to pain, hyperthermia, and increased strength.</li> <li>Potentially life threatening and associated with the use of physical control measures including restraints, TASER, or similar device.</li> <li>Most common in male patients with a history of serious mental illness and/or acute or chronic drug abuse, particularly stimulants.</li> </ul> Stabilize the situation by containing and lowering the stimuli. <ul> <li>Assess and acknowledge the crisis</li> <li>Facilitate the identification of resources (chaplain, family, friends, or law enforcement)</li> <li>Encourage patient to use resources and take actions in his/her best interest.</li> <li>Recover or referral – leave patient in care of a responsible person or professional, or transport to an appropriate facility.</li> </ul>			
	Hypoxia, intoxication / overdose, hypoglycemia, electrolytes, sepsis, head injury, postictal state, excited delirium			
EMT	Implement the <u>S.A.F.E.R</u> model If the patient is an immediate physical threat to themselves or emergency personnel, 4-point restraints may be used. Under no circumstance are patients to be transported restrained in the prone position. Oxygen Therapy (Appropriate for degree of distress)			
EMT-I	IV / IO Access Normal Saline			
AEMT	Maintenance: 60ml/hr (KVO) Bolus for Hypotension: 20 ml/kg			
	FOR PATIENTS REQUIRING SEDATION TO PREVENT INJURY TO SELF OR OTHERS			
	Haldol 5mg IM/IN (May repeat in 10-15 minutes PRN)			
	AND			
ic	Benadryl 25-50mg IV/IM			
amedic	(To mitigate or prevent Dystonic Reactions)			
Parar	FOR ACUTE AGITATION, MAY CONSIDER: Versed 2.5mg IV or 5mg IM/IN (May repeat in 10-15 minutes PRN)			
	Ativan 0.5 – 2 mg IV/IM (May repeat in 10-15 minutes PRN)			

TRANSPORT GUIDELINE:

- (1) If a patient has ingested a substance, regardless of the substance or amount, in an attempt at self-harm, EMS should transport the patient to the appropriate hospital emergency department. If the patient is reluctant, or refuses, to be transported to the hospital, the on-line medical control physician should be contacted for consultation.
- (2) If a patient has attempted self-harm by physical means, transport should be achieved by the most appropriate agency capable of meeting the patient's needs. If the patient is reluctant, or refuses, to be transported by the agency, the on-line medical control physician should be contacted for consultation.
- (3) If a patient has threatened self-harm or harm to others, but has made no actual attempt, the need for a mental health evaluation and treatment may still exist and transportation should be achieved by the safest, most effective means available.
- (4) EMS will NOT refuse transport to any patient requesting transportation to an emergency department for a mental health treatment regardless of whether medical necessity can be established. However, every attempt should be made to secure the most appropriate mode of transportation for these patients. If any question exists, supervisory staff should be notified, and medical control consulted.

OGLETHORPE COUNTY GEORGIA

Considerations

EMT

EMT-I

AEMT

Paramedic

	EMS Medical Director:	Dr. Brendan Hawt	horn	
ETHORPE	EMS Director: Jason M. Lewis			
GEORGIA	B	urns - 318		Effective Date: 6/01/2024
STOP	Thermal THE BURNING PROCESS	Chem THOROUGHLY BRUSH		Electrical ASSURE ELECTRICAL SOURCE HAS BEEN DISCONNECTED
REMOVE S	MOLDERING CLOTHING AND JEWELRY	USE NS OR STERILE W NECESSARY		LOCATE CONTACT POINTS
DO NOT	REMOVE STUCK CLOTHING			IDENTIFY SOURCE TYPE (AC/DC) AND THE AMOUNT OF VOLTAGE OR AMPERAGE
	Oxygen Therapy (Appropriate for degree of dis	stress)		BURN SEVERITY 1 <sup>st</sup> Degree: (superficial)
	IV / IO Access			red and painful
	<b>Normal Saline</b> Maintenance: 60ml/hr (KV	/0)	2	<sup>nd</sup> Degree: (partial thickness) blistering and painful
Bolus for Hypotension: 20 ml/kg *Request Air Transport PRN*		<u>3<sup>rd</sup> Degree: (full thickness)</u> charred or leathery skin, painless		
		FOR PAIN M	ANAGEMENT	
	[PRIMARY	for pain management wh	en SBP>100 and not cont	raindicated]
		-	2 - 5 mg [IV/IO/IM]	
				uire medical control approval)
		Trauma or for pain manag yl 1 mcg/kg [IV/IO/IN		
			••	g require medical control approval)
	[For severe multi-system	em trauma or SBP<100 wh	ere longer acting pain ma	anagement is indicated:]
		(May repeat ever	<b>mg/kg IV/IM</b> y 15 minutes PRN)	
	R ANXIETY AND ACUTE AG		4%%	4%%
vei	rsed 2.5mg [IV/IO] or 5mg (May repeat either route once)	[וועו/ ווע]	de la	
	Ativan 1-2mg [IV/IO/IM] (May repeat once PRN)		4%	
	AP <u>FOR NAUSEA:</u> PRIMARY - Zofran 4 - 8mg IV or 4mg ODT			MAN
(If no IV a	eat once in 15 minutes to a MAX c iccess, may give 4 – 8mg IM in 4m	g increments)	μ (μ) (sx)	
5-10	A REFRACTORY TO ZOFRAM SECONDARY - Compazine mg slow IVP or IM [MAX:10 nistration should not exceed 5mg/	0 mg]	Anter	hor Posterior
EXERCISE C	EXERCISE CARE WHEN ADMINISTERING OPIATES AND BENZODIAZEPINES; THESE COMBINED CAN RESULT IN A DEEPER ANESTHESIA WITH SIGNIFICANT RISK OF RESPIRATORY COMPROMISE.			

ANESTHESIA WITH SIGNIFICANT RISK OF RESPIRATORY COMPROMISE.



	Dr. Brendan Hawthorn	
EMS Director:	Jason M. Lewis	
Overdose/Poisoning - 319		Effective Date: 6/01/2024

		POISON CONTROL: 800-222-1222			
		ms may include changes in mental status, hypotension/hypertension, decreased respiratory			
	rate, tachycardia, dysrhythi	mias, seizures, malaise, weakness, GI symptoms, dizziness, syncope, chest pain			
	AGENT	AGENTS SPECIFIC SIGNS AND SYMPTOMS			
	Acetaminophen	Initially normal or N/V, tachypnea and AMS may occur later, renal dysfunction, liver failure			
	Acetaminophen	and/or cerebral edema may manifest			
	Antidepressants	Decreased heart rate, blood pressure, temperature, and respiratory rate			
	Anticholinergic	Increased heart rate, increased temperature, dilated pupils, and mental status changes			
	Insecticides	May include signs and symptoms of organophosphate poisoning			
ns	Solvents	Nausea / Vomiting, cough, altered mental status			
tio	Stimulants	Increased heart rate, blood pressure, temperature, dilated pupils, seizures and possible			
era	Stinuants	violence (excited delirium)			
Considerations	Tricyclic Antidepressants	Decreased mental status, dysrhythmias, seizures, hypotension, coma, death			
ů	Theyene Antidepressants	becleased mental status, dysmythmias, seizales, hypotension, coma, death			
Ŭ	Assessment:				
		ment and History (SAMPLE)			
	-	vital signs (BP, HR, RR, Oximetry)			
		cor capnography (if appropriate and available)			
		ood glucose level			
		cardiac monitor			
		n and evaluate 12-lead ECG (if appropriate and does not delay care)			
		A Obtain and Transmit a 12-lead ECG (if appropriate and does not delay care)			
	-				
L.					
МТ		Oxygen Therapy			
EMT		Oxygen Therapy (Appropriate for level of distress)			
EMT					
		(Appropriate for level of distress) IV/IO Access			
		(Appropriate for level of distress) IV/IO Access Normal Saline			
EMT-I EMT		(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO)			
		(Appropriate for level of distress) IV/IO Access Normal Saline			
EMT-I		(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg			
EMT-I		(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg <u>FOR OPIATES / NARCOTICS:</u>			
EMT-I		(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg <u>FOR OPIATES / NARCOTICS:</u> Narcan 0.4 – 2 mg IV/IN/IM/IO			
		(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg <u>FOR OPIATES / NARCOTICS:</u>			
EMT-I	Tricyclic Antidepre	(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg <u>FOR OPIATES / NARCOTICS:</u> Narcan 0.4 – 2 mg IV/IN/IM/IO			
EMT-I		(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg <u>FOR OPIATES / NARCOTICS:</u> Narcan 0.4 – 2 mg IV/IN/IM/IO (May repeat to a max of 8 mg)			
AEMT EMT-I	Anticholinergic / C	(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg <u>FOR OPIATES / NARCOTICS:</u> Narcan 0.4 – 2 mg IV/IN/IM/IO (May repeat to a max of 8 mg) essants: Sodium Bicarbonate 100 mEq IV/IO; (then 50 mEq in 100 ml NS over 15 minutes)			
AEMT EMT-I	<ul> <li><u>Anticholinergic / C</u></li> <li><u>Antipsychotic:</u> For</li> </ul>	(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg <u>FOR OPIATES / NARCOTICS:</u> Narcan 0.4 – 2 mg IV/IN/IM/IO (May repeat to a max of 8 mg) <u>essants:</u> Sodium Bicarbonate 100 mEq IV/IO; (then 50 mEq in 100 ml NS over 15 minutes) <u>Organophosphates:</u> After Decontamination; Atropine 1mg IV/IO (May repeat in 5 minutes)			
AEMT EMT-I	<ul> <li><u>Anticholinergic / C</u></li> <li><u>Antipsychotic:</u> For</li> <li><u>Beta Blocker:</u> Atro</li> </ul>	(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg <u>FOR OPIATES / NARCOTICS:</u> Narcan 0.4 – 2 mg IV/IN/IM/IO (May repeat to a max of 8 mg) Essants: Sodium Bicarbonate 100 mEq IV/IO; (then 50 mEq in 100 ml NS over 15 minutes) Organophosphates: After Decontamination; Atropine 1mg IV/IO (May repeat in 5 minutes) acute dystonic reactions; Benadryl 25mg IV/IO or 50mg IM (May repeat in 10 minutes PRN)			
AEMT EMT-I	<ul> <li><u>Anticholinergic / C</u></li> <li><u>Antipsychotic:</u> For</li> <li><u>Beta Blocker:</u> Atro</li> <li><u>Calcium Channel B</u></li> </ul>	(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg <u>FOR OPIATES / NARCOTICS:</u> Narcan 0.4 – 2 mg IV/IN/IM/IO (May repeat to a max of 8 mg) Essants: Sodium Bicarbonate 100 mEq IV/IO; (then 50 mEq in 100 ml NS over 15 minutes) Organophosphates: After Decontamination; Atropine 1mg IV/IO (May repeat in 5 minutes) acute dystonic reactions; Benadryl 25mg IV/IO or 50mg IM (May repeat in 10 minutes PRN) pine 1mg IV/IO (repeat PRN to 3mg MAX); Transcutaneous Pacing			
EMT-I	<ul> <li><u>Anticholinergic / C</u></li> <li><u>Antipsychotic:</u> For</li> <li><u>Beta Blocker:</u> Atro</li> <li><u>Calcium Channel B</u></li> <li>PRN to 3mg MAX,</li> </ul>	(Appropriate for level of distress)         IV/IO Access         Normal Saline         Maintenance: 60 ml/hr (KVO)         For hypotension: 20 ml/kg         ECR OPIATES / NARCOTICS:         Narcan 0.4 – 2 mg IV/IN/IM/IO         (May repeat to a max of 8 mg)         Essants: Sodium Bicarbonate 100 mEq IV/IO; (then 50 mEq in 100 ml NS over 15 minutes)         Organophosphates:       After Decontamination; Atropine 1mg IV/IO (May repeat in 5 minutes)         acute dystonic reactions; Benadryl 25mg IV/IO or 50mg IM (May repeat in 10 minutes PRN)       pine 1mg IV/IO (repeat PRN to 3mg MAX); Transcutaneous Pacing         Bocker:       Calcium Gluconate 10% 500-1000 mg IV/IO slowly; Atropine 1mg IV/IO (may repeat			
AEMT EMT-I	<ul> <li><u>Anticholinergic / C</u></li> <li><u>Antipsychotic:</u> For</li> <li><u>Beta Blocker:</u> Atro</li> <li><u>Calcium Channel B</u> PRN to 3mg MAX,</li> <li><u>Cocaine:</u> Haldol Sr</li> </ul>	(Appropriate for level of distress) IV/IO Access Normal Saline Maintenance: 60 ml/hr (KVO) For hypotension: 20 ml/kg <u>FOR OPIATES / NARCOTICS:</u> Narcan 0.4 – 2 mg IV/IN/IM/IO (May repeat to a max of 8 mg) Essants: Sodium Bicarbonate 100 mEq IV/IO; (then 50 mEq in 100 ml NS over 15 minutes) Organophosphates: After Decontamination; Atropine 1mg IV/IO (May repeat in 5 minutes) acute dystonic reactions; Benadryl 25mg IV/IO or 50mg IM (May repeat in 10 minutes PRN) pine 1mg IV/IO (repeat PRN to 3mg MAX); Transcutaneous Pacing Blocker: Calcium Gluconate 10% 500-1000 mg IV/IO slowly; Atropine 1mg IV/IO (may repeat but use caution with wide complex rhythms); Transcutaneous Pacing			

ES
OGLETHORPE COUNTY GEORGIA

	EMS Medical Director:	Dr. Brendan Hawthorn	
	EMS Director:	Jason M. Lewis	
4	Pain Management - 320		Effective Date: 6/01/2024

EMT	Oxygen Therapy
Ē	(Appropriate for level of distress)
	11///O Access
<b>–</b>	IV/IO Access Normal Saline
EMT-I	Maintenance: 60ml/hr (KVO)
Ē	For hypotension: 20 ml/kg
	For Pain Management:
	Toradol 15-30 mg [IV/IM] *if available (**Contraindicated in pregnancy**)
	("Contraindicated in pregnancy")
AEMT	FOR NAUSEA:
٩EI	PRIMARY - Zofran
	4 - 8mg IV or 4mg ODT
	(May repeat once in 15 minutes to a MAX of 8mg Total)
	(If no IV access, may give 4 – 8mg IM in 4mg increments)
	FOR PAIN MANAGEMENT
	[PRIMARY for pain management when SBP>100 and not contraindicated]
	Morphine Sulfate 2-5 mg [IV/IO/IM]
	(MAX single dose 5mg, May repeat PRN to a MAX total dose of 15mg; Total morphine dosages greater than 15mg require medical control approval)
	[PRIMARY for Multi-Trauma or for pain management when SBP<100 and not contraindicated]
	Fentanyl 1 mcg/kg [IV/IO/IM] [MAX single dose 100 mcg]
	(May repeat up to 100 mcg in 15 minutes; Total fentanyl dosages greater than 200mcg require medical control approval)
	[For severe multi-system trauma or SBP<100 where longer acting pain management is indicated]
	Ketamine 0.3 mg/kg IV/IM *if available
	(May repeat every 15 minutes PRN)
	FOR ANYIETY AND ACUTE AGITATION
U.S.	FOR ANXIETY AND ACUTE AGITATION Versed 2.5mg [IV/IO] or 5mg [IM]
edi	(May repeat either route once)
aramedic	
ar	Ativan 1-2mg [IV/IO/IM]
<b>a</b>	(May repeat once PRN)
	FOR NAUSEA REFRACTORY TO ZOFRAN ADMINISTRATION
	SECONDARY - Compazine
	5-10 mg slow IVP or IM [MAX:10 mg]
	(IV administration should not exceed 5mg/minute]
	EXERCISE CARE WHEN ADMINISTERING OPIATES AND BENZODIAZEPINES; THESE COMBINED CAN RESULT IN A DEEPER
	ANESTHESIA WITH SIGNIFICANT RISK OF RESPIRATORY COMPROMISE.
	CONSIDER THE PATIENT'S AGE, WEIGHT, CLINICAL CONDITION, USE OF DRUGS/ALCOHOL, EXPOSURE TO OPIATES
	CONSIDER THE PATIENT'S AGE, WEIGHT, CLINICAL CONDITION, USE OF DRUGS/ALCOHOL, EXPOSURE TO OPIATES WHEN DETERMINING OPIATE USE.
	WHEN USING THIS STANDING ORDER, NASAL CANNULA CAPNOGRAPHY IS INDICATED



	EMS Medical Director:	Dr. Brendan Hawthorn	
F	EMS Director:	Jason M. Lewis	
	Shock Management - 321		Effective Date: 6/01/2024

	Hypovolemic Shock	Cardiogenic Shock	Neurogenic Shock	Septic Shock	
	Hemorrhage	Heart Failure	Trauma	Infection	
	Trauma	Myocardial Infarction	Spinal Cord Injury		
	GI Bleed	Cardiomyopathy	Head Injury		
	AAA	Myocardial Contusion			
	Pregnancy Related	Toxins			
	Significant Fluid Loss				
s	<u>Assessment:</u>				
Considerations		nt and History (SAMPLE)			
rat		l signs (BP, HR, RR, Oximetry)			
de		capnography (if appropriate a	nd available)		
nsi		glucose level.			
S		diac monitor		,	
		nd evaluate 12-lead ECG (if ap			
		Obtain and transmit 12-lead	ECG (if appropriate and does	not delay care)	
Oxygen Therapy (Appropriate for level of distress)					
E	(Appropriate for level of distress)				
E -	Hypovolemic Shock	Cardiogenic Shock	Neurogenic Shock	Septic Shock	
EMT-I	IV/IO Access	IV/IO Access	IV/IO Access	IV/IO Access	
		-			
	Normal Saline	Normal Saline	Normal Saline	Normal Saline	
Ţ	20 ml/kg	20 ml/kg	20 ml/kg	20 ml/kg	
AEMT	(May repeat PRN to maintain	(May repeat PRN to maintain	(May repeat PRN to maintain	(May repeat PRN to maintain	
A	SBP>90 mmHg)	SBP>90 mmHg))	SBP>90 mmHg)	SBP>90 mmHg)	
	Secondary to Hemorrhage	Levophed 2-20 mcg/min;		Levophed 2-20 mcg/min;	
		(Titrated to maintain a		(Titrated to maintain a	
	Consider:	SBP>90mmHg or MAP 70 or greater)		SBP>90mmHg or MAP 70 or greater)	
J		greater)		greater)	
edi	ТХА	Epinephrine IV Infusion			
ŭ	2 grams [IV/IO]				
Paramedic	(over 2 minutes)	2-10 mcg/min			
å		(1 mg of EPI 1:1000 in			
		250ml NS yields 4mcg/ml) ***INFUSE WITH 60 DROP			
		SET***			
		SET			

	EMS Medical Director:	Dr. Brendan Hawthorn	
OGLETHORPE	EMS Director:	Jason M. Lewis	
C O U N T Y GEORGIA	Trauma	tic Injury - 322	Effective Date: 6/01/2024

	*CONSIDER TRANSPORT TO A DESIGNATED TRAUMA CENTER*
SL	Assessment:
Considerations	Secondary Assessment and History (SAMPLE)
rat	<ul> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> </ul>
de	• AP Monitor capnography (if appropriate and available)
Jsic	Check blood glucose level     P Initiate cardiac monitor
ō	<ul> <li>Perform and evaluate 12-lead ECG (if appropriate and does not delay care)</li> </ul>
Ŭ	E I A Obtain and transmit 12-lead ECG (if appropriate and does not delay care)
	• Perform physical exam DCAPBTLS
	Spinal Immobilization as indicated.
	(Refer to Spinal Immobilization Progression)
EMT	Control hemorrhage(s) as indicated.
Ē	(Refer to Bleeding Control Progression)
	Oxygen Therapy
	(Appropriate for level of distress)
EMT-I	IV / IO Access
E E	(Consider large bore IV X 2 if indicated)
Γ	Normal Saline
AEMT	Maintenance: 60ml/hr (KVO)
AE	Bolus: 20 ml/kg (maintain SBP >90 mmHg)
	**Do not exceed 2000 ml fluid infusion without medical control approval**
	FOR HEMORRHAGE CONSIDER:
<u>.</u> .	TXA 2 grams [IV/IO] (over 2 minutes)
Jed	
Paramedic	FOR PAIN MANAGEMENT:
Pa	Refer to Pain Management Standing Order - 320



EMS Medical Director:	Dr. Brendan Hawthorn	
EMS Director:	Jason M. Lewis	
Pediatric Allergic Reaction / Anaphylaxis - 401		Effective Date: 12/01/2022

Allergic reactions vary in severity from mild urticaria to severe anaphylaxis. Treatment is based on the severity of a Subjective: contact with a known or potential allergen Objective: Mild: localized edema and itching Moderate: systemic cutaneous effects such as hives and itching Severe: respiratory distress, wheezing, stridor, throat tightness, orofacial edema, and/or hypore • Assessment and History (SAMPLE) • Monitor vital signs (BP, HR, RR, Oximetry) • Monitor capnography (if appropriate and available) • Initiate cardiac monitor • Perform and evaluate 12-lead ECG (if appropriate and does not delay care) A high index of suspicion should exist with those patients who have a known contact with an allergend develop signs or symptoms. These patients should be monitored closely as symptoms can appear and rapidly. MAY ASSIST PATIENT WITH THEIR OWN EPI AUTO-INJECTOR	otension. n but have yet to
Objective:         Mild: localized edema and itching         Moderate: systemic cutaneous effects such as hives and itching         Severe: respiratory distress, wheezing, stridor, throat tightness, orofacial edema, and/or hypo         • Assessment and History (SAMPLE)         • Monitor vital signs (BP, HR, RR, Oximetry)         • P Monitor capnography (if appropriate and available)         • P Initiate cardiac monitor         • P Perform and evaluate 12-lead ECG (if appropriate and does not delay care)         A high index of suspicion should exist with those patients who have a known contact with an allergent develop signs or symptoms. These patients should be monitored closely as symptoms can appear and rapidly.         Coxygen Therapy         (Appropriate for degree of distress)	n but have yet to
Mild: localized edema and itching         Moderate: systemic cutaneous effects such as hives and itching         Severe: respiratory distress, wheezing, stridor, throat tightness, orofacial edema, and/or hypo         • Assessment and History (SAMPLE)         • Monitor vital signs (BP, HR, RR, Oximetry)         • P Monitor capnography (if appropriate and available)         • P Initiate cardiac monitor         • P Perform and evaluate 12-lead ECG (if appropriate and does not delay care)         A high index of suspicion should exist with those patients who have a known contact with an allergent develop signs or symptoms. These patients should be monitored closely as symptoms can appear and rapidly.         Coxygen Therapy         (Appropriate for degree of distress)	n but have yet to
Stress       Moderate: systemic cutaneous effects such as hives and itching         Severe: respiratory distress, wheezing, stridor, throat tightness, orofacial edema, and/or hypore         • Assessment and History (SAMPLE)         • Monitor vital signs (BP, HR, RR, Oximetry)         • P Monitor capnography (if appropriate and available)         • Initiate cardiac monitor         • P Perform and evaluate 12-lead ECG (if appropriate and does not delay care)         A high index of suspicion should exist with those patients who have a known contact with an allergend develop signs or symptoms. These patients should be monitored closely as symptoms can appear and rapidly.         Coxygen Therapy         (Appropriate for degree of distress)	n but have yet to
Severe: respiratory distress, wheezing, stridor, throat tightness, orofacial edema, and/or hypore         • Assessment and History (SAMPLE)         • Monitor vital signs (BP, HR, RR, Oximetry)         • P Monitor capnography (if appropriate and available)         • P Initiate cardiac monitor         • P Perform and evaluate 12-lead ECG (if appropriate and does not delay care)         A high index of suspicion should exist with those patients who have a known contact with an allergent develop signs or symptoms. These patients should be monitored closely as symptoms can appear and rapidly.         Oxygen Therapy         (Appropriate for degree of distress)	n but have yet to
<ul> <li>Assessment and History (SAMPLE) <ul> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>P Monitor capnography (if appropriate and available)</li> <li>P Initiate cardiac monitor</li> <li>P Perform and evaluate 12-lead ECG (if appropriate and does not delay care)</li> </ul> </li> <li>A high index of suspicion should exist with those patients who have a known contact with an allergend develop signs or symptoms. These patients should be monitored closely as symptoms can appear and rapidly.</li> </ul>	n but have yet to
A high index of suspicion should exist with those patients who have a known contact with an allergen develop signs or symptoms. These patients should be monitored closely as symptoms can appear and rapidly.	-
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A high index of suspicion should exist with those patients who have a known contact with an allergen develop signs or symptoms. These patients should be monitored closely as symptoms can appear and rapidly.           Oxygen Therapy           (Appropriate for degree of distress)	-
develop signs or symptoms. These patients should be monitored closely as symptoms can appear and rapidly.           Oxygen Therapy           (Appropriate for degree of distress)	-
(Appropriate for degree of distress)	
(Appropriate for degree of distress)	
MAY ASSIST PATIENT WITH THEIR OWN EPI AUTO-INJECTOR	
Albuterol 2.5mg OR Xopenex 0.63mg	
May repeat PRN for wheezing.	
IV / IO Access	
Normal Saline	
Maintenance: 60 ml/hr (KVO)	
Bolus for Hypotension: 20 ml/kg	
<u>Anaphylaxis:</u>	
Epinephrine 1:1000           0.01 mg/kg [IM] (MAX 0.3mg)	
(May repeat every 5 minutes X 2; PRN)	
Benadryl 1 mg/kg [IV/IM]	
(MAX dose 50mg)	
(MAX dose 50mg) (Contraindicated in asthma) Solumedrol 2 mg/kg IV	
Solumedrol 2 mg/kg IV	
(MAX dose 125 mg)	
**PEPCID NOT INTENDED FOR PEDIATRIC USE**	

5		EMS Medical Director:	Dr. Brendan Hawthorn	
oGL	ETHORD	EMS Director:	Jason M. Lewis	
C O U N T Y GEORGIA		Pediatric Bronchospas	ms / Respiratory Distress - 403	Effective Date: 12/01/2022
			into respiratory failure.	s of exertion can cause the patient to rapidly deteriorate
		Complaints of dyspnea or sh		inds accessory muscle usage cough short
suc	wall pain,	udible wheezes, auscultate	a wheezes of alminished breath sol	unds, accessory muscle usage, cough, chest
atio				
<ul> <li>wall pain,</li> <li>Assessment and History (SAMPLE)</li> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>P Monitor capnography (if appropriate and available)</li> <li>P Initiate cardiac monitor</li> </ul>				
Ŭ		<ul> <li>P Initiate cardiac monitor</li> <li>P Perform and evaluate 12-</li> </ul>	lead ECG (if appropriate and does not delay	care)
E			Oxygen Therapy	
EMT			(Appropriate for degree of distress)	
		Albu	iterol 2.5 mg <b>OR</b> Xopenex 0.63 m	g; nebulized
		May consider initi	al treatment mixed with Atrovent 0	.5mg [MAX: 0.5 mg Total]
_			May repeat PRN for wheezing.	
EMT-I			IV / IO Access	
Normal Saline Maintenance: 60 ml/hr (KVO) Bolus for Hypotension: 20 ml/kg				
		-		
			IF SEVERE:	
MT			Epinephrine 1:1000	
AEI			0.01 mg/kg [IM] (MAX 0.3mg	
			(May repeat every 5 minutes X 2; PR	N)
			Solumedrol 2 mg/kg [IV/IO] (MAX: 125m	a)
				8)
		FOR MODERA	TE TO SEVERE ASTHMA REFRACTO	RY TO BETA AGONIST:
Paramedic			Magnesium Sulfate	
			50mg/kg IV/IO slowly over 10 mi (MAX Dosage 2 grams)	inutes
Para			,	
			R CROUP WITH AUDIBLE STRIDOR	
		2.25% Rad	cemic Epinephrine 0.5 ml in 3 m	I of NS nebulized



Considerations	Objective: Complaints of general sickness, non-traumatic abdominal / flank pain, flu-symptoms, fever, nausea, vomiting, diarrhea,         Assessment:         • Assessment and History (SAMPLE)         • Monitor vital signs (BP, HR, RR, Oximetry)         • P Monitor capnography (if appropriate and available)         • P Initiate cardiac monitor         • P Perform and evaluate 12-lead ECG (if appropriate and does not delay care)
EMT	Oxygen Therapy (Appropriate for degree of distress)
EMT-I	IV / IO Access Normal Saline
AEMT	Maintenance: 60 ml/hr (KVO) Bolus for Hypotension: 20 ml/kg
Paramedic	FOR NAUSEA: Zofra D.S. mg/kg IV/IM/IO/PO (May repeat once in 15 minutes) [MAX Total Dose 8mg]



Pediatric Altered Blood Glucose		ed Blood Glucose - 407	Effective Date: 12/01/2022
	EMS Director:	Jason M. Lewis	
	EMS Medical Director:	Dr. Brendan Hawthorn	

	Assessment: Symptoms may include:	
Considerations	Hypoglycemia:         Altered mental status, unresponsiveness, fatigue, confusion, seizures, dysphasia, pale skin, trembling, anxiety, diaphoresis, hunger, irritability, combative behavior         • Assessment and History (SAMPLE) <ul> <li>Monitor vital signs (BP, HR, RR, Oximetry)</li> <li>Monitor capnography (if appropriate and available</li> <li>Blood Glucose Evaluation</li> <li>P Initiate cardiac monitor</li> <li>P Perform and evaluate 12-lead ECG (if appropriate and available</li> </ul>	
EMT	Oxygen (Appropriate for	
EMT-I	Hypoglycemia BGL<60 and symptomatic: IV / IO Access Normal Saline Maintenance: 60ml/hr (KVO) Bolus for Hypotension: 20 ml/kg Oral Glucose 15 grams (If not contraindicated by airway or inability to swallow) Dextrose 10% 5-10 ml/kg IV/IO (May repeat PRN) [MAX single dose 125 ml]	Hyperglycemia BGL>200 and symptomatic: IV / IO Access Normal Saline Maintenance: 60ml/hr (KVO) Bolus for Hyperglycemia: 20 ml/kg
AEMT		
Paramedic	FOR NA Zofran 0.15 mg/ka (May repeat [MAX Total	g [IV/IN/ODT/IO] once PRN)



Ι

	EMS Medical Director:	Dr. Brendan Hawthorn	
F	EMS Director:	Jason M. Lewis	
	Pediatric Seizure - 411		Effective Date: 12/01/2022

	Objective: signs and symptoms include observation of seizure activity, decreased mental status (post-icta					
	sleepiness, incontinence, unconsciousness.					
	<u>Assessment:</u>					
	<ul> <li>Secondary Assessment and His</li> </ul>					
	<ul> <li>Monitor vital signs (BF</li> </ul>	• • •				
	_	y (if appropriate and available)				
		<ul> <li>Check blood glucose level</li> </ul>				
SU	<ul> <li>P Initiate cardiac monit</li> <li>D Destaura and evolution</li> </ul>					
tion		e 12-lead ECG (if appropriate and does i	not delay carej			
erat	<ul> <li>Perform physical exan</li> </ul>	I DCAPBILS				
Considerations	Status Epilepticus	Grand Mal Seizures	Focal Seizures			
S	Two or more seizures successively	Generally, are associated with a loss	Affect only part of the body and are			
	without an intervening lucid period	of consciousness, incontinence, and	not usually associated with a loss of			
	or a seizure lasting over five	oral trauma.	consciousness.			
	minutes.					
	the second s	Consider possible causes: CNS trauma, tumor, hypoxia, medication non-compliance, infection, fever, alcohol withdrawal, eclampsia, stroke, hyperthermia, hypothermia, hypoglycemia.				
EMT	Oxygen Therapy (Appropriate for level of distress)					
EMT-I	IV / IO Access					
		Normal Saline				
МТ	Maintenance: 60ml/hr (KVO)					
AEMT		Bolus for Hypotension: 20 ml/kg				
	Ativan 0.1 mg/kg IV/IM (May repeat PRN not to exceed 4 mg TOTAL)					
Paramedic	OR					
ara		Versed				
à		0.1 – 0.2 mg/kg IV/IM				
		0.2-0.3 mg/kg IN				
		(May repeat PRN not to exceed 10mg TOTAL)				



	EMS Medical Director:	Dr. Brendan Hawthorn	
,	EMS Director:	Jason M. Lewis	
	Pediatric Bradycardia - 414		Effective Date: 12/01/2022

F				
EMT	Oxygen Therapy (Appropriate for level of distress)			
_				
EMT-I	IV/IO Access			
EN				
	Normal Saline			
ЛТ	Maintenance: 60 ml/hr (KVO)			
AEMT	For Hypotension: 20 ml/kg			
4				
	Pediatric Bradycardia With a Pulse Algorithm			
	Patient with bradycardia			
	+			
	Cardiopulmonary			
	compromise?     No			
	mental status			
	Signs of shock     Hypotension			
	Yes			
	Assessment and support     Support ABCs     Maintain patent airway     Consider oxygen			
	Assist breathing with positive     Observe			
	pressure ventilation and oxygen • 12-Lead ECG as necessary • Identify and treat			
	Cardiac monitor to identify rhythm; underlying causes     monitor pulse, BP, and oximetry			
	1			
ic	Start CPR if HR <60/min			
Paramedic	despite oxygenation and ventilation.			
am	ventilation,			
Par	Bradycardia			
	persists?			
	Yes			
	•			
	Continue CPR if HR <60/min     IV/IO access			
	Epinephrine Doses/Details			
	Atropine for increased vagal tone or primary AV block     Double for increased vagal     Epinephrine IV/IO dose:     0.01 mg/kg (0.1 mL/kg of the			
	Consider transthoracic/ 0.1 mg/mL concentration).     transvenous pacing Repeat every 3-5 minutes.			
	Identify and treat underlying     If IV/IO access not available     but endotracheal (ET) tube			
	in place, may give ET dose: 0.1 mg/kg (0.1 mL/kg of the			
	1 mg/mL concentration).			
	Atropine IV/IO dose:     0.02 mg/kg. May repeat once.			
	Yes Check pulse Minimum dose 0.1 mg and maximum single dose 0.5 mg.			
	Pulse present? Possible Causes			
	No • Hypothermia			
	Go to Pediatric + Hypoxia • Medications			
	Cardiac Arrest Algorithm. © 2020 American Heart Association			



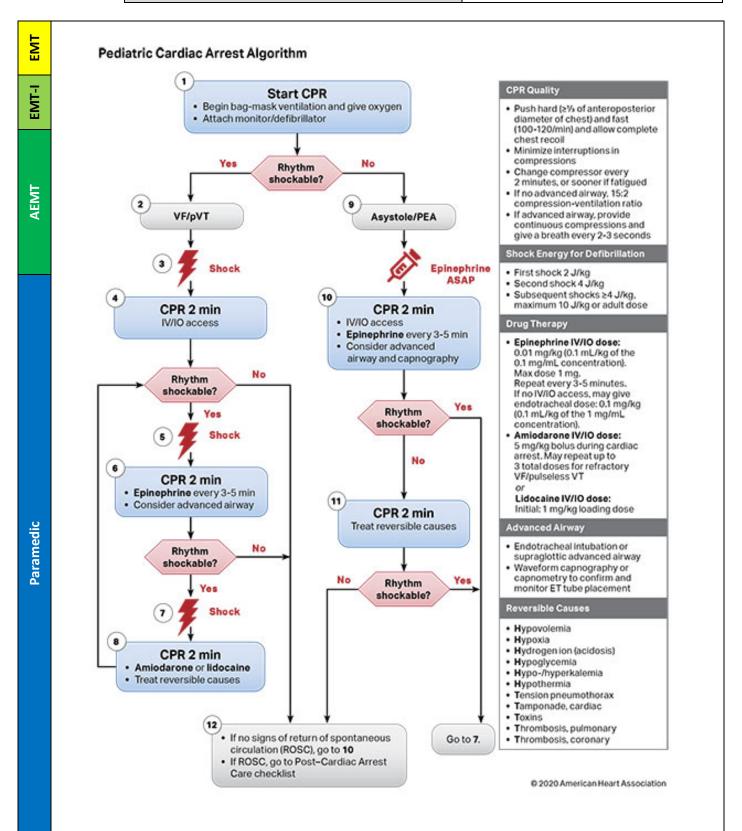
	EMS Medical Director:	Dr. Brendan Hawthorn	
	EMS Director:	Jason M. Lewis	
2	Pediatric Tachycardia - 415		Effective Date: 12/01/2022

EMT	<b>Oxygen Therapy</b> (Appropriate for level of distress)		
EMT-	IV/IO Access		
AEMT	Normal Saline Maintenance: 60 ml/hr (KVO) For Hypotension: 20 ml/kg		
Paramedic	Probable sinus Trobable sinus tachycardia With a Pulse Algorithm		
	© 2020 American Heart Association		

## FOR CARDIOVERSION: CONSIDER SEDATION

Ativan 0.05 mg/kg IV/IM (May repeat in 10 minutes PRN not to exceed 4mg TOTAL) Versed 0.1 mg/kg IV or 2.5 mg IM/IN (May repeat in 10 minutes PRN not to exceed 10mg TOTAL)

	EMS Medical Director:	Dr. Brendan Hawthorn	
OGLETHORPE	EMS Director:	Jason M. Lewis	
GEORGIA	Pediatric Pulse	less Arrest AHA - 416	Effective Date: 12/01/2022





	Pediatric Burns - 418		Effective Date: 12/01/2022
F	EMS Director:	Jason M. Lewis	
	EMS Medical Director:	Dr. Brendan Hawthorn	

	<b>—</b>			
	Thermal	<u>Chemical</u> BRUSH AWAY DRY CHEMICAL	Electrical ASSURE ELECTRICAL SOURCE HAS	
s	STOP THE BURNING PROCESS	BRUSH AWAY DRY CHEMICAL	BEEN DISCONNECTED	
uo	REMOVE SMOLDERING CLOTHING	USE NS OR STERILE WATER TO	BEEN DISCONNECTED	
ati		IRRIGATE IF NECESSARY AND SAFE.	LOCATE CONTACT POINTS	
der		INNOATE IF NECESSANT AND SAFE.		
Considerations	DO NOT REMOVE STUCK		IDENTIFY SOURCE TYPE (AC/DC) AND	
S	CLOTHING		THE AMOUNT OF VOLTAGE OR	
			AMPERAGE	
			·	
Е			13	
EMT	Oxygen Therapy (Appropriate for degree of distress)			
-			15	
			$\left\{ \right\} $	
EMT-I	IV / IO Access	19	91/2 32 91/2	
E E		$\bigcirc$	91/2 32 91/2	
	Normal Saline	2-4		
	1-5 years: 125 ml/hr	91/2 32 91/2		
E I	5-13 years: 250 ml/hr	Styl		
AEMT	>13: 500 ml/hr	15 15		
A	*Request Air Transport PRN*			
		Ages 1-4	Ages 5-9 Ages 10-14	
Paramedic	FOR PAIN MANAGEMENT REFER TO PAIN MANAGEMENT STANDING ORDER 420 FOR ANXIETY AND SEDATION Versed 0.1 mg/kg [IV/IO] or 0.2 mg/kg [IV] (Max single dose 5 mg) (May repeat either route once not to exceed 10mg TOTAL) May repeat once PRN not to exceed 10mg TOTAL) (May repeat once PRN not to exceed 4mg TOTAL) Cofran 0.15 mg/kg [IV/IN/IO/PO] (May repeat once PRN not to exceed 8mg TOTAL)			



	EMS Medical Director:	Dr. Brendan Hawthorn	
	EMS Director:	Jason M. Lewis	
4	Pediatric Overdose/Poisoning - 419		Effective Date: 12/01/2022

		POISON CONTROL: 800-222-1222		
		ms may include changes in mental status, hypotension/hypertension, decreased respiratory		
	rate, tachycardia, dysrhythr	nias, seizures, malaise, weakness, GI symptoms, dizziness, syncope, chest pain		
		AGENTS SPECIFIC		
	AGENT	SIGNS AND SYMPTOMS		
	Acetaminophen	Initially normal or N/V, tachypnea and AMS may occur later, renal dysfunction, liver failure		
		and/or cerebral edema may manifest		
	Antidepressant	Decreased heart rate, blood pressure, temperature, and respiratory rate		
S	Anticholinergic	Increased heart rate, increased temperature, dilated pupils, and mental status changes		
ion	Insecticides	May include signs and symptoms of organophosphate poisoning		
Considerations	Solvents	Nausea / Vomiting, cough, altered mental status		
de	Stimulants	Increased heart rate, blood pressure, temperature, dilated pupils, seizures and possible		
nsi		violence (excited delirium)		
S	Tricyclic Antidepressants	Decreased mental status, dysrhythmias, seizures, hypotension, coma, death		
	Assessment:			
		nent and History (SAMPLE)		
		rital signs (BP, HR, RR, Oximetry)		
		r capnography (if appropriate and available)		
		od glucose level		
		cardiac monitor		
		and evaluate 12-lead ECG (if appropriate and does not delay care)		
	<ul> <li>Perform p</li> </ul>	ohysical exam DCAPBTLS		
Ţ	Oxygen Therapy			
EMT	(Appropriate for level of distress)			
	IV/IO Access			
EMT-I	Normal Saline			
Σ	Maintenance: 60 ml/hr (KVO)			
	For hypotension: 20 ml/kg			
		Narcan for Opiates		
		INTRAMUSCULAR DOSE: 0.1 mg/kg IM		
EMT	INTRAVIOSCULAR DOSE: 0.1 mg/kg IM INTRAVENOUS/ INTEROSSEOUS DOSE: 0.2 mg/kg IV/IO (if 5 years or older or >20 kg			
AEI	(May repeat every 3 minutes PRN)			
	INTRANASAL DOSE: 2-4 mg IN [single dose]			
	<u>Tricyclic Antidepre</u>	ssants: Sodium Bicarbonate 1 mEq/kg IV/IO; (then 0.5 mEq/kg in 100 ml NS over 15 minutes)		
	<ul> <li><u>Anticholinergic / Organophosphates:</u> After Decontamination; For 12 years and under: <u>Atropine 0.02mg/kg IV/IO</u></li> </ul>			
	to a maximum single dose of 0.5mg (May repeat once if needed): If >12 years refer to Adult Standing Order.			
<u>.</u>	<u>Antipsychotic:</u> For acute dystonic reactions; <b>Benadryl 1 mg/kg IV/IO</b> (May repeat in 10 minutes PRN)			
led		2 years and under: Atropine 0.02mg/kg IV/IO to a maximum single dose of 0.5mg (May		
am	and the second	ded): If >12 years refer to Adult Standing Order. TCP		
Paramedic		locker: Calcium Gluconate 10% 500 mg IV/IO slowly; For 12 years and under: Atropine		
		o a maximum single dose of 0.5mg (May repeat once if needed): If >12 years refer to Adult		
		ut use caution with wide complex rhythms); TCP		
	• <u>Cocaine:</u> Haldol 0.05 mg/kg IM (may repeat in 15 minutes); Versed 0.1 – 0.2 mg/kg IV/IM or 0.2-0.3 mg/kg IN			
	(may repeat once l	PRN not to exceed 10mg TOTAL) Ativan 0.05 mg/kg IM (may repeat once PRN)		



	EMS Medical Director:	Dr. Brendan Hawthorn	
ł	EMS Director:	Jason M. Lewis	
	Pediatric Pain Management - 420		Effective Date: 12/01/2022

F	
EMT	Oxygen Therapy (Appropriate for lovel of distance)
	(Appropriate for level of distress)
E	
EMT-I	IV/IO Access
ш	
н	Normal Saline
AEMT	Maintenance: 60ml/hr (KVO)
AE	For hypotension: 20 ml/kg
	FOR PAIN MANAGEMENT
	[PRIMARY for pain management when hemodynamically stable and not contraindicated]
	[Longer Acting]-> Morphine Sulfate 0.1 mg/kg [IV/IO/IM] (MAX single dose 4mg)
	(May repeat in 15 minutes; Total morphine dosages greater than 10mg require medical control approval)
	[PRIMARY for Multi-Trauma or for pain management with boarder-line hemodynamic instability and not contraindicated]
	Fentanyl 1 mcg/kg [IV/IO/IM]
	[MAX single dose 100 mcg]
	(May repeat in 15 minutes; Total fentanyl dosages greater than 200mcg require medical control approval)
	[For severe multi-system trauma or boarder-line hemodynamic instability where longer acting pain management is indicated]
	Ketamine 0.3 mg/kg IV/IM
	(May repeat every 15 minutes PRN)
	FOR ANXIETY AND SEDATION
	Versed
	0.1 – 0.2 mg/kg IV/IM
	0.2-0.3 mg/kg IN
lic	(May repeat PRN not to exceed 10mg TOTAL)
Paramedic	
an	Ativan 0.05 mg/kg IM (MAX single dose 2mg)
Pai	(May repeat once PRN not to exceed 4mg TOTAL)
	FOR NAUSEA
	Zofran 0.15 mg/kg IV/IN/IO
	(May repeat once PRN not to exceed 8mg TOTAL)
	EXERCISE CARE WHEN ADMINISTERING OPIATES AND BENZODIAZEPINES; THESE COMBINED CAN RESULT IN A DEEPER
	ANESTHESIA WITH SIGNIFICANT RISK OF RESPIRATORY COMPROMISE.
	CONSIDER THE PATIENT'S AGE, WEIGHT, CLINICAL CONDITION, USE OF DRUGS/ALCOHOL, EXPOSURE TO OPIATES
	WHEN DETERMINING OPIATE USE.
	WHEN USING THIS STANDING ORDER, NASAL CANNULA CAPNOGRAPHY IS INDICATED



	EMS Medical Director:	Dr. Brendan Hawthorn	
	EMS Director:	Jason M. Lewis	
,	Pediatric Shock Management - 421		Effective Date: 12/01/2022

Considerations	Assessment:         • Secondary Assessment and History (SAMPLE)         • Monitor vital signs (BP, HR, RR, Oximetry)         • P Monitor capnography (if appropriate and available)         • Check blood glucose level         • P Initiate cardiac monitor         • P Perform and evaluate 12-lead ECG (if appropriate and does not delay care)         • Perform physical exam DCAPBTLS			
EMT		Oxygen (Appropriate for		
EMT-I	Hypovolemic Shock IV/IO Access	<u>Cardiogenic Shock</u> IV/IO Access	<u>Neurogenic Shock</u> IV/IO Access	<u>Septic Shock</u> IV/IO Access
AEMT	Normal Saline 20 ml/kg (May repeat PRN to maintain SBP>90 mmHg)	Normal Saline 20 ml/kg (May repeat PRN to maintain SBP>90 mmHg))	Normal Saline 20 ml/kg (May repeat PRN to maintain SBP>90 mmHg)	Normal Saline 20 ml/kg (May repeat PRN to maintain SBP>90 mmHg)
Paramedic	Secondary to Hemorrhage Consider: TXA 15mg/kg IV (Over 10 minutes) (Not to exceed 1 gram)	Levophed 0.1 mcg/kg/min. (4 mg in 250ml) (Titrated to maintain a SBP>90mmHg or MAP 70 or greater)		Levophed 0.1 mcg/kg/min. (4 mg in 250ml) (Titrated to maintain a SBP>90mmHg or MAP 70 or greater)

Systolic Blood Pressure <80 mmHg

- GCS <15
- Heart Rate >110
- Temperature >100.4 or <96.0
- Respiratory Rate >25
- End-tidal CO2 <26

## CALL SEPSIS ALERT AS SOON AS POSSIBLE



	*CONSIDER TRANSPORT TO A DESIGNATED PEDIATRIC TRAUMA CENTER*
	Assessment:
ŝüc	Secondary Assessment and History (SAMPLE)
atic	• Monitor vital signs (BP, HR, RR, Oximetry)
era	<ul> <li>P Monitor capnography (if appropriate and available)</li> </ul>
sid	• Check blood glucose level
Considerations	• P Initiate cardiac monitor
ŭ	• Perform and evaluate 12-lead ECG (if appropriate and does not delay care)
	• Perform physical exam DCAPBTLS
	Chinal Immobilization on indicated
	Spinal Immobilization as indicated
EMT	(Refer to Spinal Immobilization Progression)
Ē	Our server Theorem
	Oxygen Therapy (Appropriate for level of distress)
	IV / IO Access
EMT-I	
Σ	Normal Saline
	Maintenance: 60ml/hr (KVO)
	Bolus: 20 ml/kg (maintain SBP >80 mmHg)
ИΤ	**Do not exceed 1000 ml fluid infusion without medical control approval**
AEMT	
1	
	FOR HEMORRHAGE CONSIDER:
	<12 years: TXA 15 mg/kg [IV] (over 10 minutes, not to exceed 1 gram)
	FOR PAIN MANAGEMENT REFER TO PAIN MANAGEMENT STANDING ORDER 420
dic	
Parame	
ara	FOR ANXIETY AND SEDATION
•	Versed 0.1 – 0.2 mg/kg IV/IM
	Versed 0.2-0.3 mg/kg IN
	(May repeat PRN not to exceed 10mg TOTAL)
	Ativan 0.05 mg/kg IM (MAX single dose 2mg)
	(May repeat once PRN not to exceed 4mg TOTAL)
	FOR NAUSEA
	Zofran 0.15 mg/kg IV/IN/IO
	(May repeat once PRN not to exceed 8mg TOTAL)