

## EPAB-OMD August 2022 Protocol Update List

Page Order #	Protocol	Change(s)
<b>Front Matter</b>		
-	General	Page numbers updated accordingly OMD logo updated
-	Cover Page	Date updated; OMD logo updated
i	Protocol Information/Signature Page	Effective date updated
iii-viii	Table of Contents	Added all new pages/sections to table of contents Page numbers updated Corrected misspelling of hydroxocobalamin
xiv-xvii	Scope of Practice	Added language regarding Intermediate Credential Scope of Practice Updated the Scope of Practice grid to include the Intermediate credentialing level
<b>Adult Protocols</b>		
4	Adult - Crashing Patient: Trauma	Corrected circulatory goal from > 90 to ≥ 90 mmHg
6	Adult - Respiratory Insufficiency/Failure & DAA	Removed list of kit dump items in lieu of reference to Intubation Checklist and Advanced Airway Preparation Procedure Removed language stating to use bougie for only specific intubating conditions (Grade III view or failed attempt), to reflect that the bougie is first line for all intubations Revised post-airway sedation section for clarity
8	Adult - Acute Pain Management	Removed head trauma and cervical spine trauma from relative contraindications
12	Adult - Refusal without Demonstration of Capacity	Revised requirements to be consistent with and replace Medical Directive # 2202001 - Refusal Without Demonstration of Capacity Protocol Requirement Change
14	Adult - Non-Traumatic Termination of Resuscitation	Changed persistent VF/VT definition from 3 to 2 or more defibrillations; Patients with two or more defibrillations that meet initial rhythm and age criteria are potential candidates for ECPR and therefore are ineligible for Termination of Resuscitation
15	Adult - Traumatic Termination of Resuscitation	Changed "advanced airway" to "confirmed effective ventilation" to match Adult Non-Traumatic Termination of Resuscitation components that must be in place prior to considering termination. Added EMS witnessed arrest under contraindications list Clarified in pearls that traumatic arrest in a public place is NOT a contraindication for termination
16	Adult - Withholding of Resuscitation	Added "NO" preceding the phrase "clinical signs of irreversible death in the setting of blunt or penetrating trauma present" Minor grammar changes to second bullet of pearls section
17	*NEW* Adult - BLS Ambulance Transport Criteria	Added to replace Medical Directive # 2109001 - BLS Ambulance Transport Criteria; Updated to be Adult specific and provide additional guidance
19	Adult - Cardiac Arrest	Added to pearls section "If ROSC, optimize patient following Crashing Patient Medical Protocol. Norepinephrine is vasopressor; choice; acquire 12-lead and transmit to receiving facility."
22	Adult - Tachycardias	To replace Medical Directive # 2207002, removed initiation of diltiazem bolus and drip on 911 scenes; added language for continuation of diltiazem for Interfacility Transports (IFTs) Changed "max dose" to "max total dose" for midazolam for sympathomimetic associated tachycardia
27	Adult - Behavioral Emergency/Excited Delirium	Protocol renamed to Behavioral Emergencies/Agitation. Excited delirium renamed to hyperactive delirium with severe agitation to reflect current naming recommendations by the American College of Emergency Physicians (ACEP)

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30	Adult - Nausea and Vomiting	Corrected error regarding haloperidol being included in Assist Scope of Practice Corrected misspelling "IIRC" to correct spelling of "IIRR" for Haloperidol
31	Adult - Overdose/Poisoning/Adverse Drug Reaction	Clarified cocaine/amphetamine/stimulant/sympathomimetic intoxication midazolam dosing to include IIRR for both IV/IO and IM/IN routes, and changed "max dose" to "max total dose" of 10 mg for consistency with Adult Tachycardia Protocol
32	Adult - Respiratory Distress	Changed magnesium sulfate volume from 50 mL to 250 mL as 50 mL saline bags are not stocked
34	Adult - Stroke/CVA/TIA	Updated to reflect 22Q2 OMD CE and best practices for Large Vessel Occlusion (LVO) care: LAMS now in Basic Scope of Practice Changed destination determination based on timeframe and LAMS score Emphasis on bedside stroke alert
36	*NEW* Adult - Tracheostomy Emergency Protocol	Addition of new Tracheostomy Protocol for Adults
43	Adult - General Trauma	Updated head/neck injury SpO2 from >90% to ≥94% to reflect Adult Crashing Patient Protocol - Trauma
44	Adult - Trauma Triage Guidelines	Updated to reflect recent National Trauma Triage Guidelines for Injured Patients, 2021 Refer to the MAEMSA OMD Short #1 – Trauma Transport Guidelines Update video for a detailed change review
<b>Pediatric Protocols</b>		
57	Pediatric - Respiratory Insufficiency/Failure & DAA	Removed list of kit dump items in lieu of reference to Intubation Checklist and Advanced Airway Preparation Procedure Added language regarding bougie use, and tube sizes where a stylet ETT is required Revised post-airway sedation section for clarity; added max total doses
59	Pediatric - Acute Pain Management	Removed head trauma and cervical spine trauma from relative contraindications
63	Pediatric - Refusal without Demonstration of Capacity	Revised requirements to model and replace Medical Directive # 2202001 - Refusal Without Demonstration of Capacity Protocol Requirement Change
64	Pediatric - Withholding of Resuscitation	Added "NO" preceding the phrase "clinical signs of irreversible death in the setting of blunt or penetrating trauma present" Minor grammar changes to second bullet of pearls section
65	*NEW* Pediatric - BLS Ambulance Transport Criteria	To replace Medical Directive # 2109001 - BLS Ambulance Transport Criteria; RR and BP criteria updated to be inclusive of all ages; Updated to provide additional guidance
67	Pediatric - Cardiac Arrest	Updated to mirror previous changes to the Adult Cardiac Arrest Protocol, specifically: Advanced level medications should be given early in the arrest (if indicated) Indication for Sodium bicarbonate changed from "History suggestive of prolonged acidosis" to "Metabolic acidosis etiology" Added in pearls that Sodium bicarbonate is not indicated for prolonged downtime
68	Pediatric - Symptomatic Bradycardia	Atropine moved below epinephrine as epinephrine is typically first line, and atropine is rarely indicated in pediatric bradycardia cases. Corrected error in glucagon for beta blocker toxicity -- max single dose 1 mg NOT 1 g
74	Pediatric - Behavioral Emergency/Excited Delirium	Protocol renamed to Behavioral Emergencies/Agitation. Excited delirium renamed to hyperactive delirium with severe agitation to reflect current naming recommendations by the American College of Emergency Physicians (ACEP)
78	Pediatric - Overdose/Poisoning	Changed title to Overdose/Poisoning/Adverse Drug Reaction to model Adult protocol's title
82	*NEW* Pediatric - Tracheostomy Emergency Protocol	Addition of new Tracheostomy Protocol for Pediatrics
89	Pediatric - General Trauma	Updated head/neck injury SpO2 from >90% to ≥94% to reflect Pediatric Crashing Patient Protocol - Trauma

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90	Pediatric - Trauma Triage Guidelines	Updated to reflect recent National Trauma Triage Guidelines for Injured Patients, 2021 Refer to the MAEMSA OMD Short #1 – Trauma Transport Guidelines Update video for a detailed change review
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Procedures		
96	12-lead Procedure	Moved STEMI alert and EKG transmission to assist level to be reflective of the Ischemia/ACS/STEMI protocol and the Assist level Scope of Practice
97	Advanced Airway Preparation Procedure	Updated kit dump photo Updated "do not attempt intubation" cut off from 90% to 94% to reflect intubation & Crashing Patient goals
98	Assisted Ventilation/Bag Mask Ventilation Procedure	Changed "Titrate to SpO2 ≥ 90% and eucapnia" to "Titrate to SpO2 ≥ 94% and eucapnia" to reflect Crashing Patient Protocol Changed pediatric compression to breath ratio from 5 compressions to 1 breath to 15 compressions to 2 breaths to reflect PALS guidelines
102	Endotracheal Intubation/Direct Laryngoscopy Procedure	Added reference to Intubation Checklist Updated "withhold laryngoscopy unit the best attempt at preoxygenating to a SpO2 ≥ 90 %" to 94% to reflect intubation goal/Crashing Patient Protocol Changed "Deliver ETT, or utilize bougie" to "Deliver ETT via bougie (preferred), or via stylet ETT" Minor formatting changes
103	Endotracheal Intubation/Video Laryngoscopy (UEScope) Procedure	Added reference to Intubation Checklist Updated "withhold laryngoscopy unit the best attempt at preoxygenating to a SpO2 ≥ 90 %" to ≥94% to reflect intubation goal/Crashing Patient Protocol Changed "Deliver bougie and follow (insert) ETT" to "Deliver bougie and railroad ETT over bougie" Minor formatting changes
104	External Cardiac Pacing Procedure	Added specific language regarding assessment of electrical and mechanical capture
106	Highly Contagious Infectious Disease (HCID) Procedure	Updated to be inclusive of multiple infectious disease
112	Mechanical Compression Device Procedure	Changed minimum providers from 4 to 3 Edited device arm attachment section to include wording for both DefibTech and LUCAS
115	Pelvic Binder Procedure	Changed indications to "mechanism suggestive of pelvic injury and signs of pelvic injury/instability on physical exam AND signs of hemorrhagic shock" Changed photo of correct binder placement for clarity and to further reinforce correct placement is at the level of the greater trochanters. Added photo of areas of palpation to evaluate for pelvic instability/injury
121	Suction Procedure	Tracheal suctioning section updated to be a Basic credentialing level skill, this change replaces Medical Directive # 2112003 - Interfacility Tracheostomy Suctioning by Basic Credentialed Providers
122	Supraglottic Airway Procedure	Added King Tube size 0 & 1 Updated Contraindications - Changed esophageal disease to Upper esophageal obstruction (e.g. mass, web, stricture) to clarify intent. Added known laryngectomy, as there is no communication between trachea and esophagus
126	*NEW* Tracheostomy Procedures	Addition of new Tracheostomy Procedures page
Critical Care/MIH Protocols		
135	*NEW* Critical Care - Hyperglycemic Emergencies	Provides guidance for Critical Care Interfacility Transfer of Hyperglycemic Emergencies (DKA & HHS)
137-138	Critical Care - Mechanical Ventilation Procedure	Removed Enve/Impact from title
147	MIH - Congestive Heart Failure Protocol (Dosing Schedule)	Removed 2-3 lbs. category from diuresis dosing schedule
155	*NEW* MIH - Insulin Titration	Added to provide titration for hyperglycemia/hypoglycemia
	MIH - i-STAT Procedure	Added a lab values table
	*NEW* MIH - Peak Flow Procedure	Added to provide procedure for peak flow measurement

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	*NEW* MIH - Suture/Staple Removal	Added to provide procedures for suture and staple removal
		<b>Pharmacopeia</b>
	Pharmacopeia - Dexamethasone	Added Pediatric Allergic Reaction/Anaphylaxis dosing per protocol to the list
	Pharmacopeia - Diltiazem	Updated to reflect changes in Adult Tachycardia - removed initiation of diltiazem bolus and drip; added language for continuation of diltiazem for Interfacility Transfers (IFTS)
	Pharmacopeia - Epinephrine	Contraindications - Removed coronary insufficiency; Added trauma as a contraindication for push-dose epi only Added epinephrine 1mg/mL dilution procedure if shortage of prefilled cardiac epinephrine; This replaces current Medical Directive 2112001 - Epinephrine Dilution Procedure
	Pharmacopeia - Fentanyl	Contraindications - Removed head trauma and cervical spine trauma. The concerns regarding these two conditions are primarily hemodynamic instability/respiratory depression which are already listed
	Pharmacopeia - Furosemide	Updated to reflect change in MIH - CHF Diuresis Dosing Schedule
	Pharmacopeia - Ketorolac	Contraindications - Added renal transplant
	Pharmacopeia - Magnesium sulfate	Changed magnesium sulfate volume from 50 mL to 250 mL as 50 mL saline bags are not stocked
	Pharmacopeia - Methylprednisolone	Removed pediatric anaphylaxis indication as not included in Pediatric Allergic Reaction/Anaphylaxis protocol Removed "don't delay" under anaphylaxis indications
	Pharmacopeia - Sodium bicarbonate	Indications updated for acidosis in cardiac arrest to reflect Adult & Pediatric Cardiac Arrest Protocols
	Pharmacopeia - Tranexamic Acid (TXA)	Clarified indications for TXA administration to reflect the Adult Traumatic Cardiac Arrest Protocol where TXA is given only if ROSC achieved Added TXA indication from Adult Tracheostomy Hemorrhage Protocol
		<b>*NEW* Appendix Section</b>
	*NEW* Intubation Checklist	Added Intubation Checklist
	*NEW* Mechanical Compression Device Checklist	Added under NEW appendix