



State of Maryland

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To: EMS Clinicians  
Base Stations

From: Timothy Chizmar, MD, FACEP  
State EMS Medical Director

Date: September 14, 2020

RE: **Updates to Maryland Medical Protocols for Emergency Medical Services**

The Maryland EMS Board has approved the following new and revised protocols with a release date of September 14, 2020. In addition, there are two typographical corrections below. The updated document contains “Release Date September 14, 2020” at the bottom of each page.

- **Pediatric Termination of Resuscitation:** (correction, page 70): May terminate resuscitation with ETCO<sub>2</sub> less than 15 mmHg and administration of at least 1 dose (not 1 mg) of epinephrine (1:10,000).
- **Shock/Hypoperfusion:** (correction, page 154): 3(d) Hypotension is defined as a systolic blood pressure....less than 70 + (2 x years) (not 70 x (2 x years) for patients greater than 1 year of age.
- **OSP: Airway Management: Bi-Level Positive Airway Pressure (BiPAP) – Chronic:** (revision, page 359): Paramedic may transport patients who are 13 years of age or older on BiPAP, if no change in settings within 6 hours (previously 48 hours) or changes reflecting improvement in the patient’s condition. Patients who are less than 13 years of age shall be screened by SCT service to determine crew composition.
- **OSP: Airway Management: Bi-Level Positive Airway Pressure (BiPAP) – Acute:** (addition, page 359-2): Paramedic may initiate BiPAP for patients who are 13 years of age or older.
- **OSP: Heated/Humidified High Flow Nasal Cannula (HHFNC):** (addition, pages 359-3, 359-4): Paramedic may initiate HHFNC for patients 13 years of age or older. For patients who are less than 13 years of age, SCT Paramedic/RN is required for the transport (with certain exceptions, as defined in the protocol).

EMS clinicians may download the full document or changed pages only from the MIEMSS website at [www.miemss.org](http://www.miemss.org). If you have a printed 8 ½ x 11” three-ring-binder format of the protocols, please add the updated pages noted above.