



# EMS System for Metropolitan Oklahoma City and Tulsa 2017 Medical Control Board Treatment Protocols



Approved 11/9/16, Effective 2/1/17, replaces all prior versions

## 3B – DYSPNEA – UNCERTAIN ETIOLOGY ADULT & PEDIATRIC

- TREATMENT PRIORITIES**
1. Vital signs  
(including EtCO<sub>2</sub>, if equipped)
  2. Oxygenation support
    - O<sub>2</sub> by NC, NRB
    - BVM, Bi/CPAP, ETT if indicated
  3. Ventilation support
    - BVM, Bi/CPAP, ETT if indicated
  4. Nebulization therapy
    - Albuterol

**EMD**

ADVISE TO AVOID PHYSICAL EXERTION OR ENVIRONMENTAL STRESS (TEMP EXTREMES).  
ADVISE PT SELF-ADMINISTRATION OF MEDICATIONS (eg. ALBUTEROL INHALER)  
IF PREVIOUSLY PRESCRIBED FOR SIMILAR SYMPTOMS

<b>EMERGENCY MEDICAL DISPATCHER</b>
<b>EMERGENCY MEDICAL RESPONDER</b>
<b>EMT</b>
<b>EMT-INTERMEDIATE 85</b>
<b>ADVANCED EMT</b>
<b>PARAMEDIC</b>

<b>EMR</b>	<b>EMT</b>
<p>GENERAL SUPPORTIVE CARE OBTAIN VITAL SIGNS O<sub>2</sub> VIA NC, NRB, OR BVM AS APPROPRIATE APPLY CARDIAC MONITOR (if equipped) <b>ADULT:</b> OBTAIN 12-LEAD ECG &amp; TRANSMIT TO RECEIVING EMERGENCY DEPARTMENT (if equipped) ASSIST PT WITH PT'S OWN ALBUTEROL INHALER/NEBULIZER (when applicable)</p> <p><b>EMT OR HIGHER LICENSE:</b> MEASURE END-TIDAL CO<sub>2</sub> &amp; MONITOR WAVEFORM CAPNOGRAPHY (if equipped) <b>ADULT:</b> APPLY Bi/CPAP IF INDICATED (if equipped)</p> <p><b>ADULT &amp; PEDIATRIC WEIGHT ≥ 15 kg:</b> NEBULIZED ALBUTEROL 5 mg <b>PEDIATRIC WEIGHT &lt; 15 kg:</b> NEBULIZED ALBUTEROL 2.5 mg MAY REPEAT ALBUTEROL ENROUTE X 1 AS NEEDED</p> <p>PLACE SUPRAGLOTTIC AIRWAY IF INDICATED &amp; ONLY IF BVM VENTILATIONS INEFFECTIVE</p>	

<b>EMT-I85</b>	<b>AEMT</b>
<p><b>ADULT:</b> INTUBATE IF INDICATED</p> <p>IV ACCESS <b>ADULT:</b> IV NS TKO IF SYS BP ≥ 100 mmHg WITHOUT HYPOTENSIVE SYMPTOMS <b>ADULT:</b> IV NS 250 mL BOLUS IF SYS BP &lt; 100 mmHg WITH HYPOTENSIVE SYMPTOMS &amp; NO SIGNS OF PULMONARY EDEMA, <b>ADULT:</b> REPEAT UP TO 2 LITERS NS IF SYS BP REMAINS &lt; 100 mmHg WITH HYPOTENSIVE SYMPTOMS &amp; NO SIGNS OF PULMONARY EDEMA <b>PEDIATRIC:</b> IV NS TKO IF SYS BP ≥ (70 + 2x age in years) mmHg <b>PEDIATRIC:</b> IV NS 20 mL/kg BOLUS IF SYS BP &lt; (70 + 2x age in years) mmHg IF NO SIGNS OF PULMONARY EDEMA</p>	

<b>PARAMEDIC</b>
<p><b>ADULT:</b> MEDICATION ASSISTED INTUBATION IF INDICATED CONTINUOUS ASSESSMENT &amp; TREATMENT PER APPLICABLE PROTOCOL(S)</p>