



Yolo County Emergency Medical Services Agency

Procedures

Revised Date: September 1, 2018

CONTINUOUS POSITIVE AIRWAY PRESSURE (CPAP)	
Adult	Pediatric
Purpose	
<ul style="list-style-type: none"> Eliminate dyspnea Decrease RR Decrease HR Stabilize SpO₂ ≥ 94% Stabilize BP 	
Indications	
<ul style="list-style-type: none"> Moderate to severe respiratory distress Congestive Heart Failure (CHF) with acute pulmonary edema Severe asthma Chronic Obstructive Pulmonary Disease (COPD) Near drowning 	
Contraindications	
<ul style="list-style-type: none"> Agonal respirations Decreased level of consciousness SBP < 90 Signs and symptoms of pneumothorax Major trauma Facial anomalies Emesis 	
BLS	
<ul style="list-style-type: none"> Ensure adequate oxygen supply to CPAP device based on manufactures recommendations Explain the procedure to the patient Turn on O₂ and place the delivery mask over the mouth and nose Secure the mask with provided straps starting with the lower straps. Gently tighten until a seal is established Evaluate patient response assessing breath sounds, oxygen saturation, and general appearance Titrate SpO₂ ≥ 94% Observe closely for signs of complication: <ol style="list-style-type: none"> 1. Hypotension 2. Pneumothorax 3. Corneal drying 	
ALS	
Waveform EtCO ₂	
Direction	
<ul style="list-style-type: none"> If patient becomes unresponsive or has agonal respirations, remove CPAP and assist ventilations with BVM and airway adjuncts Contact Receiving ED Physician for additional treatment 	