

Montgomery County Fire and Rescue Service Division of Operations

Emergency Medical and Integrated Healthcare Services

Office of Medical Oversight Clinical Practice Guideline

Title:	CPAP Settings – O2-MAX CPAP Device	Number:	2024 - 08	
Date:	September 19, 2024			
Issued by:	Roger M. Stone MD, MS – MCFRS Medical Director			
Purpose:	To define acceptable settings when using the O2-Max			
Target Patient Population:	This CPG replaces and rescinds CPG 2024 – 01Any patient receiving CPAP via the O2-Max CPAP device			
Guideline:	 Background: The O2-Max disposable CPAP has variable pressure and fraction of inspired oxygen (FiO2) settings available for titration to the physiologic needs of the patient. MCFRS will begin with initial settings that should be suitable for most patients. Goals of Therapy (Consistent with MMP Section 12.3): To improve the patient's respiratory status as measured by improvements in respiratory rate, work of breathing, and EtCO2. To improve oxygenation with a target SpO2 of greater than or equal to 94% in most patients and a target of 90-94% in patients with COPD. Initial Setup and Settings: Place nasal EtCO2 and connect for continuous monitoring. Place and secure CPAP mask. Set the CPAP pressure to 10 cmH2O and the TRIO device to 30% FiO2. 			
	oxygenation and ventilation in patients who do not response settings. It is advisable to wait 3-5 minutes for any thera increasing settings. However, patients who do not improve	ettings may be titrated up to increase CPAP pressure and FiO2 to improve tion and ventilation in patients who do not respond adequately to the initial It is advisable to wait 3-5 minutes for any therapy level to take effect prior to g settings. However, patients who do not improve at all or deteriorate with the tings may require more immediate and aggressive escalation of therapy.		
	The below titrations are intended as a guideline rather than a rigid doctrine. Clinicians should attempt to identify the underlying disease state and treat appropriately.			
	CPAP Pressure: The 5-Set device includes pressure set cmH2O. Upward pressure titration is best accomplished cmH2O in a single 5 cmH2O increment. Disease states to pressures include SCAPE/hypertensive heart failure and disease. Patients who are clinically indicated for CPAP the at 5 or 7.5 cmH2O.	by increasing hat may requi restrictive/fibr	from 10 to 15 re higher rotic airway	



Montgomery County Fire and Rescue Service Division of Operations Emergency Medical and Integrated Healthcare Services

Office of Medical Oversight Clinical Practice Guideline

