

**REQUIRED EDUCATIONAL COMPETENCIES  
CONNECTICUT CONTINUOUS POSITIVE AIRWAY PRESSURE (CPAP) FOR EMTs**

By the completion of this training:

**Cognitive Objectives**

The EMT will describe the human respiratory anatomy and physiology including upper and lower airway structures and gas exchange between the respiratory and circulatory system.

The EMT will explain the major pathophysiological elements of CHF, emphysema and asthma.

The EMT will explain and contrast the mechanisms by which continuous positive airway pressure, (CPAP) benefits a patient with CHF versus COPD.

The EMT will explain the physiological effects and clinical implications that the application of CPAP has on the respiratory and cardiovascular systems.

The EMT will compare and contrast oxygenation versus ventilation and explain the physiologic and clinical implications of each.

**Psychomotor Objectives**

The EMT will demonstrate the application of the CPAP device according to established protocol and/or manufacturer guidelines.

**Affective Objectives**

The EMT will examine the effects of the use of CPAP in the prehospital setting as it relates to improved patient care.

**Competencies:**

The EMT shall assess three simulated patients according to established guidelines to differentiate the clinical criteria of CHF versus COPD.

The EMT shall assess three simulated patients, interpreting the effectiveness of both ventilation and oxygenation based on presented signs and symptoms.

The EMT shall assess three simulated patients with respiratory distress, explicitly assessing for all indications and contraindications for the use of CPAP identified by the CPAP guideline.

The EMT shall recognize and manage in accordance with sponsor hospital guidelines a simulated patient experiencing respiratory distress as a result of anaphylaxis.

The EMT shall, without assistance, demonstrate assembly of the service-specific CPAP unit consistent with manufacturer instructions.

The EMT shall apply the CPAP unit to a manikin such that the indicated pressure is delivered with measured and effective oxygenation, without leaks or actions that could be injurious to a patient.

The EMT shall recognize and manage CPAP complications in simulated patient scenarios.

The EMT shall assess, in three simulated patient scenarios, the patients' response with the use of CPAP adjusting management as necessary.

The EMT will achieve a passing grade on 80% of exam questions relating to CPAP content.