

COVIDIEN IMPLEMENTATION CONNECTION

EDUCATION

The Microstream™ technology Education Pathway was developed to provide a specific, robust curriculum for clinicians interested in expanding their knowledge of capnography monitoring. It is highly recommended that all clinicians responsible for using CO₂ monitoring with patients be thoroughly trained. Providing a capnography overview training session is also useful for all clinicians caring for patients to help generate an allegiance across the hospital in support of capnography as a standard of care. In addition to key physicians and nurse managers, this may include hospital administration, biomedical engineering, marketing, environmental services, risk management and any other departments involved with the technology in any manner. The multidisciplinary approach helps ensure the implementation is successful and that your hospital optimizes the value of the capnography solution broadly, and for the long term.

Contact your Covidien Sales Representative to schedule an on-site training at your facility.

There is also online training available as part of the Covidien Professional and Clinical Education (PACE) website. Please visit www.covidien.com/PACE to register for access to all the courses noted below.

Online Capnography Education Recommendation Overview

	Critical Care Clinicians	General Care Floor Clinicians	Clinicians Administering Procedural Sedation	Pre-hospital Clinicians: Emergency Department, EMS	Rapid Response, Resuscitation Clinical Teams
CAPNOGRAPHY MONITORING ONLINE COURSES					
Capnography Monitoring: Understanding the Basics	■	■	■	■	■
Guide to Monitoring etCO ₂ During Opioid Delivery		■			
Integrated Pulmonary Index™ Algorithm (IPI) Training	■	■	■		
A Guide to Capnography during Procedural Sedation			■		
Guide to Capnography in the Management of the Critically Ill Patient	■				
Using Capnography During Noninvasive Ventilation	■	■		■	
Continuous Capnography and the Difficult Airway	■	■		■	■
Capnography in Pre-Hospital Care				■	
PRODUCT SPECIFIC ONLINE COURSES*					
Bedside: Capnostream® Bedside Capnography Monitor with Nellcor™ SpO ₂ Technology: A Guide to Buttonology	■	■	■	■	■
Portable: Microcap® Plus or Nellcor™ N-85 Portable Capnography Monitor: A Guide to Buttonology	■	■	■	■	■

*Choose course based on type of capnography monitor purchased: bedside or portable

The 'Understanding the Basics' course is strongly recommended for all clinicians responsible for using capnography monitoring with patients:

Capnography Monitoring: Understanding the Basics

This course provides an overview of capnography monitoring including key terms, a description of the physiology surrounding its application, a discussion of normal end tidal CO₂ as well as a review of normal and abnormal waveforms. (CE credits available for RNs and RTs)

There are also courses developed for clinicians to increase their knowledge about using capnography with specific monitoring devices:

Microcap® Portable Capnography Monitor: A Guide to Buttonology

This course reviews functionality and shows clinicians how to use the monitor.

Microcap® Plus or Nellcor™ N-85 Portable Capnography Monitor: A Guide to Buttonology

This module reviews functionality and shows clinicians how to use the Microcap Plus or Nellcor handheld capnography monitors.

Capnostream® Bedside Capnography Monitor with Nellcor™ SpO₂ Technology: A Guide to Buttonology

This course shows how to use the Capnostream® 20 and Capnostream 20p Bedside Capnography Monitors.

There are also courses developed for clinicians to increase their knowledge about using capnography in specific areas of care:

Guide to Monitoring etCO₂ During Opioid Delivery

This course describes how the results of monitoring ventilation using capnography can be an early indication of respiratory depression in patients receiving Patient Controlled Analgesia (PCA) or neuraxial opioids in the postoperative period. (CE credits available for RNs and RTs).

Integrated Pulmonary Index™ Algorithm (IPI) Training

This course defines the Integrated Pulmonary Index, explains how it works, and describes its clinical benefits.

A Guide to Capnography during Procedural Sedation

This course provides a demonstration of how to use capnography to monitor ventilation during procedural sedation. (CE credits available for RNs and RTs).

Guide to Capnography in the Management of the Critically Ill Patient

This course provides an overview of capnography monitoring in the management of critically ill patients. (CE credits available for RNs and RTs).

Using Capnography During Noninvasive Ventilation

This course provides an overview of capnography monitoring during noninvasive ventilation (NIV). The course includes an overview of NIV and how capnography monitors a patient's ventilation. (CE credits available for RN and RT)

Continuous Capnography and the Difficult Airway

Dr. Tim M. Cook, FRCA, was the guest speaker for this Society of Critical Care Medicines (SSCM) iCritical Care podcast. Dr. Cook discussed his article that was published in the British Journal of Anesthesia titled "Major Complications of Airway Management in the United Kingdom, results from the Fourth National Audit Project of the Royal College of anesthetists and the Difficult Airway Society". The focus of the podcast was on managing the difficult airway and the use of continuous capnography to improve outcomes in patients that required intubation and that may have difficult airways.

This video is archived in the SCCM [LearnICU.org](https://www.learnicu.org) website under the knowledge area "pulmonary," and is accessible by members and non-members. Used with permission. This is an mp4 video file. Microsoft Windows media player will not be able to play this type of file. You need to download VLC (which can be accessed at [videolan.org](https://www.videolan.org)) or QuickTime on your PC. (CME credits were available for the live broadcast but are not available for this replay.)

Capnography in Pre-Hospital Care

This course covers capnography terminology and definitions, differences between oxygenation and ventilation, physiological functions addressed by capnography, and the physiology behind the CO₂ waveform. (No CE credits available.)

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