



Emergency Medical Technician: Using a Noninvasive EtCO₂ Monitoring Device	KBEMS E-39
Kentucky Required Mandatory Supplemental Curriculum: <i>Application of EtCO₂ Monitoring, use of EtCO₂ Devices to Identify Correct Placement of an Endotracheal Tube or BIAD.</i>	

Upon completion of the course, the student shall be able to:

1.	Describe and demonstrate the physiology of respiratory air exchange.
2.	Describe and differentiate the indications and uses for capnography.
3.	Describe and demonstrate the proper use of body substance isolation (BSI) procedures when using capnography devices.
4.	Describe the strengths and weaknesses of both colorimetric ETCO ₂ , as well as continuous waveform capnography in specific randomly selected patient scenarios.
5.	Demonstrate efficiency in the use of both colorimetric ETCO ₂ devices, as well as continuous waveform capnography.
6.	Describe the different brands of colorimetric ETCO ₂ devices; reliability, shelf-life, and differentiate between side-stream and main-stream continuous waveform end-tidal CO ₂ ; advantages and disadvantages of each.
7.	Describe and demonstrate recognition of the esophageal intubation, and the steps necessary to immediately remedy the situation.
8.	Describe and demonstrate troubleshooting skills when ETCO ₂ is not recognized when using an endotracheal tube or supraglottic airway device.
9.	Describe the necessity to perform colorimetric and continuous waveform ETCO ₂ on every patient requiring an artificial airway.
10.	Describe and document appropriate utilization of ETCO ₂ , and continued patient assessment while in the care of the EMT.