

Adult – Understanding Mechanical Ventilation

Course Description: This is a comprehensive guide to mechanical ventilation, the importance of airway protection, and non-invasive/invasive methods of ventilation. Causes of respiratory failure and indications for intubation and mechanical ventilation are offered, along with goals of mechanical ventilation, modes of ventilation, and troubleshooting tips for ventilator alarms. This module will boost both knowledge and confidence when treating critical-care patients.

Course Objectives:

- Describe respiratory failure and the manifestations of a patient’s inability to oxygenate and/or ventilate
- Explain the parameters of airway-protection assessments
- Compare and differentiate airway resistance, gas exchange impediments, and the inability to ventilate
- Explain the principles and goals of mechanical ventilation and the modes of ventilation
- Compare and differentiate ventilator alarms and troubleshooting tips
- Describe endotracheal tube care and the importance of maintaining oral hygiene
- Discuss the importance of sedation and analgesia for intubated patients