



**Airway and Mechanical Ventilation Management
Agenda Option A**

Modules to Complete Online Before Attending Course	
20 minutes	Overview of Airway Practice/Complications/Outcomes
20 minutes	Intubation Medications
20 minutes	Laryngoscopy: Direct Laryngoscopy and Videolaryngoscopy
20 minutes	Surgical Airways
20 minutes	Team Approach to Airway Management
20 minutes	Advanced Airway Techniques
20 minutes	Safe Mechanical Ventilation
20 minutes	Patient-Ventilator Dyssynchrony
20 minutes	Refractory Hypoxemia: Now What?
20 minutes	Noninvasive Ventilation/High-Flow Nasal Cannula
20 minutes	Disease-Specific Strategies
20 minutes	Weaning the Difficult Patient

In-Person Skills Day	
7:00 a.m. – 7:15 a.m.	Welcome and Announcements Airway and Mechanical Ventilation Management Overview
7:15 a.m. – 9:15 a.m.	SKILL STATIONS: Airway Management Rotation 1 A. Overview of Airway Practice <ul style="list-style-type: none"> Review airway management options Determine factors that make intubation difficult B. Intubation Medications <ul style="list-style-type: none"> Discuss case studies using pharmacologic agents Review effectiveness of pharmacologic agents C. Laryngoscopy: Direct Laryngoscopy and Videolaryngoscopy <ul style="list-style-type: none"> Review laryngoscopy techniques Practice direct and videolaryngoscopy techniques Examine effectiveness of regular versus hyperangulated blades
9:15 a.m. – 9:30 a.m.	BREAK
9:30 a.m. – 11:30 a.m.	SKILL STATIONS: Airway Management Rotation 2 D. Surgical Airways <ul style="list-style-type: none"> Practice emergency surgical airway access Review conversion of cricothyrotomy to tracheostomy E. Team Approach to Airway Management <ul style="list-style-type: none"> Examine how intubation can lead to cardiac arrest Practice and review team process strategies Determine challenges and complications of airway management F. Advanced Airway Techniques <ul style="list-style-type: none"> Demonstrate advanced airway intubation options

	<ul style="list-style-type: none"> Practice advanced intubation techniques
11:30 a.m. – 12:30 p.m.	LUNCH
12:30 p.m. – 2:30 p.m.	<p align="center">SKILL STATIONS: Mechanical Ventilation Rotation 1</p> <p>A. Safe Mechanical Ventilation</p> <ul style="list-style-type: none"> Explain key principles and mechanics of mechanical ventilation Apply types and modes of mechanical ventilation based on case study clinical context Articulate acute complications of mechanical ventilation and strategies to prevent and/or treat them <p>B. Patient-Ventilator Asynchrony</p> <ul style="list-style-type: none"> Demonstrate and interpret dyssynchrony through pressure and waveform analysis Differentiate between patient interactions and ventilators <p>C. Refractory Hypoxemia: Now What?</p> <ul style="list-style-type: none"> Discuss treatment options for refractory hypoxemia Determine alternative ventilator strategies for hypoxemia
2:30 p.m. – 2:45 p.m.	BREAK
2:45 p.m.– 4:45 p.m.	<p align="center">SKILL STATIONS: Mechanical Ventilation Rotation 2</p> <p>D. Noninvasive Ventilation/High-Flow Nasa Cannula</p> <ul style="list-style-type: none"> Define the physiology and benefits of heated high-flow cannula Perform clinical application on noninvasive positive pressure ventilation Compare indications and contraindications of noninvasive positive pressure ventilation <p>E. Disease-Specific Strategies</p> <ul style="list-style-type: none"> Evaluate pragmatic approaches to mechanical ventilation Determine optimal gas exchange in acute and chronic pulmonary disease Demonstrate approaches to mechanical ventilation <p>F. Weaning the Difficult Patient</p> <ul style="list-style-type: none"> Identify indicators of readiness to wean from selected case studies Apply ventilator modes for difficult patients
4:45 p.m. – 5:00 p.m.	WRAP-UP