



**Fundamental Critical Care Support: Surgical
Sample Agenda Option A**

Modules to Complete Online Before Attending Course	
19 min	Recognition and Assessment of the Seriously Ill Patient
19 min	Approach to the Surgical Patient, Part 1: Overview of the Care of Critically Ill Patients
12 min	Approach to the Surgical Patient, Part 2: Surgical Emergencies
17 min	Diagnosis and Management of Acute Respiratory Failure
18 min	Surgical Airway Emergencies
24 min	Mechanical Ventilation 1
22 min	Mechanical Ventilation 2
34 min	Monitoring of Oxygen Balance and Acid-Base Status
32 min	Diagnosis and Management of Shock
37 min	Neurologic Support
29 min	Life-Threatening Infections: Diagnosis and Antimicrobial Therapy Selection
32 min	Basic Trauma and Burn Support
22 min	Abdominal Surgical Emergencies: Part 1
22 min	Abdominal Surgical Emergencies: Part 2
27 min	Acute Coronary Syndrome
21 min	Cardiovascular Surgical Emergencies
25 min	Management of Life-Threatening Electrolyte and Metabolic Disturbances
23 min	Management of Special Populations
15 min	Surgical Soft Tissue Complications and Urgencies

Skills Day	
7:30 a.m. – 7:45 a.m.	Welcome and Course Announcements FCCS: Surgical Overview
7:45 a.m. – 8:30 a.m.	<p align="center">SKILL STATIONS A and B</p> <p>A. Mechanical Ventilation 1</p> <ul style="list-style-type: none"> • Describe indications for initiation of mechanical ventilation • Modify the ventilator prescription in response to patient data <p>B. Recognition and Assessment of the Seriously Ill Patient</p> <ul style="list-style-type: none"> • Identify life-threatening events and outline their rapid treatment • Recognize the need to administer oxygen to critically ill patients • Recognize that treatment and diagnosis should occur simultaneously • Recognize shock and its treatment

8:30 a.m. – 9:15 a.m.	<p style="text-align: center;">SKILL STATIONS A and B</p> <p>A. Mechanical Ventilation 1</p> <ul style="list-style-type: none"> • Describe indications for initiation of mechanical ventilation • Modify the ventilator prescription in response to patient data <p>B. Recognition and Assessment of the Seriously Ill Patient</p> <ul style="list-style-type: none"> • Identify life-threatening events and outline their rapid treatment • Recognize the need to administer oxygen to critically ill patients • Recognize that treatment and diagnosis should occur simultaneously • Recognize shock and its treatment
9:15 a.m. – 10:00 a.m.	<p style="text-align: center;">SKILL STATIONS C and D</p> <p>C. Mechanical Ventilation 2</p> <ul style="list-style-type: none"> • Describe the approach to a high-pressure alarm • Practice ventilation adjustments in response to changes in patient status <p>D. Assessment of the Critically Ill Postoperative Patient</p> <ul style="list-style-type: none"> • Identify common postsurgical conditions related to critical illness • Identify and manage common postanesthetic complications in surgical patients • Prioritize and manage common postsurgical complications in a patient with complex medical comorbidities
10:00 a.m. – 10:15 a.m.	<p style="text-align: center;">BREAK</p>
10:15 a.m. – 11:00 a.m.	<p style="text-align: center;">SKILL STATIONS C and D</p> <p>C. Mechanical Ventilation 2</p> <ul style="list-style-type: none"> • Describe the approach to a high-pressure alarm • Practice ventilation adjustments in response to changes in patient status <p>D. Assessment of the Critically Ill Postoperative Patient</p> <ul style="list-style-type: none"> • Identify common postsurgical conditions related to critical illness • Identify and manage common postanesthetic complications in surgical patients • Prioritize and manage common postsurgical complications in a patient with complex medical comorbidities
11:00 a.m.– 11:45 a.m.	<p style="text-align: center;">SKILL STATIONS E and F</p> <p>E. Hypotension After Abdominal Operation</p> <ul style="list-style-type: none"> • Discuss causes of shock in postoperative patients • Identify risk factors for abdominal compartment syndrome (ACS) • Explain the diagnostic criteria for ACS <p>F. Noninvasive Positive Pressure Ventilation (NPPV)</p> <ul style="list-style-type: none"> • List diagnoses for which NPPV may be appropriate therapy • List characteristics of patients who are good candidates for NPPV • Discuss contraindications to NPPV • Describe techniques to facilitate patient acceptance of NPPV • Summarize monitoring requirements for a patient treated with NPPV
11:45 a.m.– 12:30 p.m.	<p style="text-align: center;">SKILL STATIONS E and F</p> <p>E. Hypotension After Abdominal Operation</p> <ul style="list-style-type: none"> • Discuss causes of shock in postoperative patients • Identify risk factors for abdominal compartment syndrome (ACS) • Explain the diagnostic criteria for ACS <p>F. Noninvasive Positive Pressure Ventilation (NPPV)</p> <ul style="list-style-type: none"> • List diagnoses for which NPPV may be appropriate therapy • List characteristics of patients who are good candidates for NPPV

	<ul style="list-style-type: none"> • Discuss contraindications to NPPV • Describe techniques to facilitate patient acceptance of NPPV • Summarize monitoring requirements for a patient treated with NPPV
12:30 p.m. – 1:15 p.m.	LUNCH
1:15 p.m. – 2:00 p.m.	<p style="text-align: center;">SKILL STATIONS G and H</p> <p>G. Integrated Abdominal Sepsis</p> <ul style="list-style-type: none"> • Recognize surgical emergencies in patients without surgical illness • Interpret, troubleshoot, and manage abdominal pain in critically ill patients <p>H. Integrated Airway Management and Hemorrhagic Shock Scenario</p> <ul style="list-style-type: none"> • Discuss the goals of resuscitation in a patient with shock • List procedures for the management of hemorrhagic shock • Identify alternate solutions for the management of intubation of a patient with a difficult airway
2:00 p.m. – 2:45 p.m.	<p style="text-align: center;">SKILL STATIONS G and H</p> <p>G. Integrated Abdominal Sepsis</p> <ul style="list-style-type: none"> • Recognize surgical emergencies in patients without surgical illness • Interpret, troubleshoot, and manage abdominal pain in critically ill patients <p>H. Integrated Airway Management and Hemorrhagic Shock Scenario</p> <ul style="list-style-type: none"> • Discuss the goals of resuscitation in a patient with shock • List procedures for the management of hemorrhagic shock • Identify alternate solutions for the management of intubation of a patient with a difficult airway
2:45 p.m. – 3:00 p.m.	BREAK
3:00 p.m. – 3:45 p.m.	<p style="text-align: center;">SKILL STATIONS I and J</p> <p>I. ICU Care for the Multisystem Trauma Patient</p> <ul style="list-style-type: none"> • Interpret, troubleshoot, and manage elevated intracranial pressure • Discuss chest tube basics and troubleshooting • Discuss diagnosis and management of abdominal compartment syndrome • Discuss diagnosis and management of extremity compartment syndrome <p>J. Integrated Severe Sepsis A Scenario</p> <ul style="list-style-type: none"> • Recognize early sepsis • Describe the steps needed to manage and stabilize a patient with sepsis • Outline appropriate fluid management for a patient with sepsis • Select laboratory studies and interpret the results for a patient with sepsis • Discuss the management of a patient with sepsis and organ dysfunction • Discuss initial mechanical ventilation support for a patient with sepsis • Discuss hemodynamic instability in a patient with sepsis • Discuss basic ventilator support in a patient with sepsis • Manage ventilator support in a patient with acute respiratory distress syndrome • Recognize atrial fibrillation and management of a hemodynamically unstable patient

3:45 p.m. – 4:30 p.m.	<p style="text-align: center;">SKILL STATIONS I and J</p> <p>I. ICU Care for the Multisystem Trauma Patient</p> <ul style="list-style-type: none"> • Interpret, troubleshoot, and manage elevated intracranial pressure • Discuss chest tube basics and troubleshooting • Discuss diagnosis and management of abdominal compartment syndrome • Discuss diagnosis and management of extremity compartment syndrome <p>J. Integrated Severe Sepsis A Scenario</p> <ul style="list-style-type: none"> • Recognize early sepsis • Describe the steps needed to manage and stabilize a patient with sepsis • Outline appropriate fluid management for a patient with sepsis • Select laboratory studies and interpret the results for a patient with sepsis • Discuss the management of a patient with sepsis and organ dysfunction • Discuss initial mechanical ventilation support for a patient with sepsis • Discuss hemodynamic instability in a patient with sepsis • Discuss basic ventilator support in a patient with sepsis • Discuss ventilator support in a patient with acute respiratory distress syndrome • Recognize atrial fibrillation and management of a hemodynamically unstable patient
4:30 p.m. – 4:45 p.m.	WRAP-UP