

Fundamental Critical Care Support

Co-sponsored with the Society of Critical Care Medicine

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Baystate Conference and Simulation Center

Baystate Health, Springfield MA 01199

Program Director: Patrick Lee, MD

STATEMENT OF NEED

“The U.S is facing an unprecedented and largely unrecognized shortage of physicians trained to provide critical care services”, according to the Critical Care Workforce Partnerships. “The demand for critical care services has greatly surpassed the supply...” The demand for critical care services is expected to increase significantly by 2020 due to the aging population and the increasing utilization of intensivists, which will further widen the gap between the need for critical care services and the available supply of critical care specialists” “...one third of all ICU patients are currently cared for by intensivists” As a result of these shortages, non-intensivists need to fill the “intensivist gap”. In order to decrease medical errors and improve patient outcomes, non-intensivists who find themselves caring for the critically ill patient need to develop the skills and knowledge necessary to effectively look after their patients - following an emergency admission , major surgery or unexpected complications.

GOAL

To develop clinical methods and practical skills which will allow the non-intensivist health care provider to make early identification and correction of complications in care of the critically ill patient. .

TARGET AUDIENCE

- Advanced practice nurses
- Critical care fellows beginning their training
- Emergency medicine physicians
- Nurses
- Emergency medical technicians
- Pre-hospital providers with lengthy patient transfer
- Primary care physicians
- Physician assistants
- Residents in training
- Rapid Response / Medical Emergency Team Member

LEARNER OBJECTIVES

By participating in this program, you should be able to discuss:

- Assessment of the Seriously Ill Patient
- Airway Management
- Cardiopulmonary/Cerebral Resuscitation
- Diagnosis and Management of Acute Respiratory Failure
- Mechanical Ventilation

- Monitoring Blood Flow, Oxygenation, and Acid-Base Status
- Diagnosis and Management of Shock
- Acute Coronary Syndromes
- Neurologic Support
- Basic Trauma and Burn Support
- Life-Threatening Infections: Diagnosis and Antimicrobial Therapy Selection
- Management of Life-Threatening Electrolyte and Metabolic Disturbances
- Special Considerations
- Critical Care in Pregnancy
- Ethics in Critical Care Medicine
- Critical Care in Infants and Children: The Basics

Participants use Baystate Health’s high fidelity simulation center to practice skills in:

- Airway Management
- Noninvasive Positive Pressure Ventilation (NPPV)
- Mechanical Ventilation A: Indications for mechanical ventilation & ventilator prescription
- Mechanical Ventilation B: Trouble shooting ventilators; high pressure alarms
- Mechanical Ventilation C: Application of mechanical ventilation in selected disease states
- Acute Coronary Syndromes
- Shock
- Trauma and Burn Support
- Vascular Access

PROGRAM SCHEDULE

Day 1

7:30 am - 8:00 am	Welcome/FCCS Overview
8:00 am - 8:30 am	Airway Management*
8:30 am - 9:00 am	Cardiopulmonary/Cerebral Resuscitation**
9:00 am - 9:30 am	Diagnosis and Management of Acute Respiratory Failure
9:30 am - 10:00 am	Mechanical Ventilation I
10:00 am - 10:15 am	BREAK
10:15 am - 11:00 am	Mechanical Ventilation II
11:00 am - 11:30 am	Monitoring Blood Flow, Oxygenation and Acid-Base Status
11:30 am - 12:00 pm	Diagnosis and Management of Shock
12:00 pm - 1:00 pm	Lunch/Instructor Curriculum
1:00 pm - 1:30 pm	Acute Coronary Syndromes**

1:30 pm - 2:00 pm	Assessment of the Seriously Ill Patient
2:00 pm - 5:00 pm	Skill Stations** <ul style="list-style-type: none"> • Airway Management* • Noninvasive Positive Pressure Ventilation • Vascular Access*** • Mechanical Ventilation A • Acute Coronary Syndromes

Day 2

8:00 am - 8:30 am	Neurologic Support
8:30 am - 9:00 am	Basic Trauma and Burn Support
9:00 am - 9:30 am	Life-Threatening Infections: Diagnosis and Antibiotic Selection
9:30 am - 10:00 am	Management of Life-Threatening Electrolyte and Metabolic Disturbances
10:00 am - 10:15 am	BREAK
10:15 am - 10:45 am	Special Considerations
10:45 am - 11:15 am	Critical Care in Pregnancy
11:15 am - 11:45 am	Ethics in Critical Care Medicine
11:45 am - 12:15 pm	Critical Care in Infants and Children: The Basics
12:15 pm - 1:15 pm	Lunch/Instructor Curriculum (if not completed on Day 1)
1:15 pm - 4:15 pm	Skill Stations <ul style="list-style-type: none"> • Mechanical Ventilation B • Mechanical Ventilation C • Shock • Trauma/Burns***
4:15 pm - 5:30 pm	Post Test and Course Evaluation