



COLLEGE OF MEDICINE
In alliance with Fletcher Allen Health Care

128 Lakeside Avenue, Suite 100
Burlington, VT 05401

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THE 8TH ANNUAL
NORTHERN NEW ENGLAND
CRITICAL CARE
CONFERENCE

SEPTEMBER 30 - OCTOBER 2, 2010



STOWE, VERMONT

The University of Vermont College of Medicine
Presents

The 8th Annual

Northern New England

Critical Care Conference

A Practical Guide to Critical Care Medicine

September 30 - October 2, 2010

Pre-Conference ABLS Course
September 29



STOWE, VERMONT

Course Description

This course is designed to address timely clinical issues encountered in the arena of critical care. All ICU caregivers (physicians, pharmacists, nurses, respiratory therapists, advanced practice nurses and physicians' assistants) will obtain up-to-date and practical information relative to daily management of the critically ill patient. Participants will be able to identify and discuss recent developments and trends through comprehensive didactic sessions and to develop hands-on skills in specialized simulation exercises.

Among the topics to be presented, participants will:

- Become aware of current controversies in critical care.
- Identify mechanisms to measure CO.
- Compare the use of Inhaled Flolan vs. Nitric Oxide for hypoxic respiratory failure.
- Consider various ventilation modes and their application as rescue therapies in patients with refractory hypoxemia.
- Assess cardiovascular management and interventions, including management of right heart failure and applications of pacemakers.
- Learn the appropriate application of transfusion therapies, as well as the risks associated with transfusion.
- Participate in a skills workshop focusing on common emergency surgical procedures used in the ICU.

New This Year!

We have added an optional Emergency Surgical Bedside Procedures Workshop on Friday afternoon. The workshop will provide hands-on simulation stations featuring open cricothyroidotomy, percutaneous cricothyroidotomy, tube thoracostomy, and pericardiocentesis. The registration fee includes a light lunch.

ABLS Course

A pre-conference ABLIS Provider Course will be offered on Wednesday, September 29th. This eight-hour course will provide guidelines in the assessment and management of the burn patient during the first twenty-four hours post injury. Following a series of lectures, case studies will be discussed and there will be an opportunity to work with simulated burn patients. Please refer to the ABA website for more information. www.ameriburn.org

Accreditation

The University of Vermont College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Vermont designates this educational activity for a maximum of 13.5 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Application has been made to the American College of Emergency Physicians for **ACEP** Category I Credit. Application for credit for **pharmacists** is also pending.

Credit for other providers is pending.

This program has been reviewed and is acceptable for up to 13.5 Nursing Contact Hours.* (Expiration Date: 9/29/12)

*The University of Vermont Office of Continuing Medical Education is an approved provider of continuing nursing education by the Vermont State Nurses' Association, Inc., an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Guest Faculty

Atul Malhotra, MD

Associate Professor, Medicine
Harvard Medical School
Intensivist
Brigham and Women's Hospital
Boston, MA

Stephen D. Surgenor, MD

Associate Professor, Anesthesiology
Section Chief, Critical Care Medicine
Medical Director, Intensive Care Unit
Dartmouth Medical School
Lebanon, NH

Nicholas C. Watson, MD

Assistant Professor, Anesthesiology and Critical Care
University of Massachusetts Medical School

University of Vermont Fletcher Allen Health Care Faculty

S. Patrick Bender, MD

Assistant Professor, Anesthesiology
Attending, Anesthesiology and Critical Care Medicine

Ian H. Black, MD

Associate Professor, Anesthesiology
Director of Research

William E. Charash, MD, PhD

Course Co-Director
Associate Professor, Surgery
Director of Surgical Critical Care

Mary Dawson, RRT, MA, MS

Adult Educator for Respiratory Care

John B. Fortune, MD

Professor, Surgery
Medical Director, Vermont Regional Trauma and Burn Center
Vice-Chair for Education, Department of Surgery

Christopher M. Greene, MD

Associate Professor, Anesthesiology

Mark P. Hamlin, MD

Course Co-Director
Associate Professor, Anesthesiology
Director of Anesthesia Critical Care
Medical Director, Respiratory Care Services

Barry W. Heath, MD

Associate Professor, Pediatrics
Chief, Division of Inpatient and Critical Care Pediatrics

William E. Hopkins, MD

Associate Professor, Cardiology
Director, Pulmonary Hypertension Program

Wesley D. McMillian, PharmD, BCPS

Clinical Assistant Professor, Surgery
Section of Trauma, Burn and Critical Care
Pharmacist Clinician of Critical Care

Program Schedule

Thursday, September 30

12:00pm	Registration	11:00	Hypercoagulable States and M Nicholas Watson, MD
1:00	Welcome & Introduction Mark Hamlin, MD and William Charash, MD, PhD	11:45	The Evolving Role of Simulation Education John Fortune, MD
1:15	Keynote Address: Controversies in Critical Care Atul Malhotra, MD	12:30pm	Lunch for Workshop Participants
2:00	Hypovolemia and Fluid Responsiveness S. Patrick Bender, MD	1:30	Workshop Emergency Surgical Bedside P William Charash, MD, PhD and J
2:45	Break & Exhibits		Hands-on Simulation Stations Open Cricothyroidotomy Percutaneous Cricothyroidotomy Tube Thoracostomy Pericardiocentesis
3:15	New Ways to Measure CO, But Why Bother? Christopher Greene, MD		
4:00	Hey, Be Careful! I've Got a Pacemaker Mark Hamlin, MD	3:00	Adjourn
4:45	Clinical Approach to Pulmonary Hypertension William Hopkins, MD		
5:30	Welcome Reception – Registrants & Guests		

Friday, October 1

7:00am	Continental Breakfast & Exhibits	7:00am	Continental Breakfast & Exhibits
7:30	Triggers for Transfusion: Best Practice for ICU Patients Stephen Surgenor, MD	7:30	Inhaled Flolan vs. Nitric Oxide Mary Dawson, RRT, MA, MS Wesley McMillian, PharmD
8:15	Massive Transfusion Ian Black, MD	8:15	Alternatives to Volume Control Control and APRV William Charash, MD, PhD
9:00	TRALI and TACO: A Bad Reaction, or Too Much of a Good Thing? Mark Hamlin, MD	9:00	Good Vibrations: High Frequency Ventilation Barry Heath, MD
9:45	Break & Exhibits	9:45	Break & Exhibits
10:15	The Essentials of DVT Prevention and Treatment Wesley McMillian, PharmD	10:15	Panel Discussion: Beyond ARDSNET: Using Resc Moderator: Mark Hamlin, MD Panel: William Charash, MD, PhD Mary Dawson, RRT, MA, MS, BA Wesley McMillian, PharmD
		11:45	Adjourn

Saturday, October 2

Schedule

- 11:00** **Hypercoagulable States and Management**
Nicholas Watson, MD
- 11:45** **The Evolving Role of Simulation in Medical Education**
John Fortune, MD
- 12:30pm** **Lunch for Workshop Participants**
- 1:30** **Workshop**
Emergency Surgical Bedside Procedures
William Charash, MD, PhD and John Fortune, MD
- Hands-on Simulation Stations**
 Open Cricothyroidotomy
 Percutaneous Cricothyroidotomy
 Tube Thoracostomy
 Pericardiocentesis
- 3:00** **Adjourn**

Saturday, October 2

- 7:00am** **Continental Breakfast & Exhibits**
- 7:30** **Inhaled Flolan vs. Nitric Oxide**
Mary Dawson, RRT, MA, MS
Wesley McMillian, PharmD
- 8:15** **Alternatives to Volume Control: Pressure Control and APRV**
William Charash, MD, PhD
- 9:00** **Good Vibrations: High Frequency Oscillatory Ventilation**
Barry Heath, MD
- 9:45** **Break & Exhibits**
- 10:15** **Panel Discussion:**
Beyond ARDSNET: Using Rescue Therapies
Moderator: Mark Hamlin, MD
Panel: William Charash, MD, PhD
Mary Dawson, RRT, MA, MS, Barry Heath, MD
Wesley McMillian, PharmD
- 11:45** **Adjourn** Course #11-801-44

Registration

The course fee includes tuition, comprehensive course syllabus, continental breakfast and coffee breaks each day, as well as the welcome reception for registrants and guests on Thursday evening.

The Critical Care Conference registration fee is \$495 for physicians and \$325 for other ICU caregivers. The registration fee for the Bedside Procedure Workshop is \$100. Please return the Registration Form along with appropriate registration fee. PLEASE MAKE YOUR RESERVATIONS EARLY! Refunds may be obtained, minus an administrative fee of \$50, if notice of cancellation is received by September 10th. **Refunds are not possible after that date.**

Flash Drive vs. Syllabus

Please indicate on the registration panel if you wish to receive a Flash Drive with pdf versions of the presentations, or if you wish to receive a syllabus binder with printed handouts. If you choose a flash drive, you will be required to bring your laptop. Extra books will not be available.

Accommodations

A block of beautifully appointed rooms has been reserved at the Stoweflake Resort. Please make your reservations directly with the hotel prior to August 16, 2010 (802) 253-7355 or (800) 253-2232, and indicate your participation in this course to obtain our discounted rates: \$259 single or double occupancy plus Vermont State tax. Townhouses are also available at additional cost. Rooms cannot be guaranteed after August 16th. Traditionally, accommodations sell out quickly in this entire region due to the popular foliage season. **PLEASE RESERVE EARLY.**

Transportation

By Car - Take Exit 10 (Stowe/Waterbury exit) on I89. Follow Route 100 North to the village of Stowe (approximately 10 miles). At the intersection, turn left onto Route 108 (Mountain Road). The hotel will be located 1¾ miles further on the right hand side.

By Air - Direct flights to Burlington International Airport at Burlington, Vermont (only 45 minutes to Stowe). You may wish to rent a car to take advantage of the many fine restaurants and shops in Stowe Village and the surrounding area. Consult your travel agent or airline reservation desk for information.

Leisure Activities

The Stoweflake offers extensive recreational facilities and superb continental cuisine. A world class spa, indoor and outdoor pools, outdoor Jacuzzi, golf training facility and tennis courts are located on site. The beautiful Stowe Country Club is adjacent to the property. The award winning Stowe bike path is accessible across the street from the Stoweflake.



Northern New England Critical Care Conference

Name: _____

Degree: MD DO PA NP RN CRNA Other _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: () _____ Fax: () _____

Email: _____

Specialty: _____

Initials Last 4 digits of your SSN#
_____ - _____ (for CME Tracking Purposes Only)

Flash Drive vs. Syllabus (Choose only one)

- I wish to receive a Flash Drive and will bring my laptop
- I wish to receive a Syllabus Binder with printed handouts

Registration Fee Summary

- \$495 Physicians \$ _____
- \$325 Pharmacists, Nurses, NPs, RTs, PAs, Fellows, Physicians-in-Training \$ _____
- \$125 Non-Physician Trainees \$ _____
- \$100 Procedures Workshop \$ _____
- \$ 25 Late Fee* \$ _____

*Registrations received after September 1st.

Total Enclosed \$ _____

I Will Attend the Welcome Reception # _____

Payment Method

- Check (payable to the University of Vermont)
- Visa MasterCard AmEx

Credit Card # _____ Expiration Date _____

Name as it appears on the Card (please print) _____

Please provide billing address if different from above:

Mail to: UVM, Continuing Medical Education
128 Lakeside Ave, Suite 100
Burlington, Vermont 05401
Phone: (802) 656-2292 **Fax:** (802) 656-1925
Online: <http://cme.uvm.edu>

Registration is requested by September 1, 2010