University of Vermont
College of Medicine

Presents

The 12th Annual
Northern New England

Critical Care Conference

with
Optional Ventilator Hands-On Workshop
on October 17th

October 16-18, 2014

RETURNING TO THE
Stoweflake
Resort & Conference Center
Stowe, VT
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 physician 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.

Course Objectives:
* Discuss the pharmacologic and technologic management of common ICU arrhythmias.
* Discuss basic and advanced ventilator strategies for the management of hypoxia and hypercarbia in the critically ill patient.
* Discuss strategies to properly manage pain and the opioid tolerant patient in the critical care setting.

Optional Ventilator Workshop
The Ventilator Workshop is designed for those ICU practitioners who wish to increase their knowledge of mechanical ventilation of patients with respiratory failure. Advantages and disadvantages of contemporary ventilator modes will be discussed using current terminology. Ventilatory support with non-invasive ventilation will be covered. Ventilatory synchrony will be discussed and participants will be able to experience how well they "synch" with various vent modes.

Workshop Objectives:
* Practice with basic and advanced ventilator modes as well as ventilator "knobology."
* Practice ventilating (via mask) with various ventilatory modes.

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 live activity for a maximum of 13.5 AMA PRA Category 1 Credits™. Physicians should claim only the 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.

This program has been reviewed and is acceptable for up to 13.5 Nursing Contact Hours.

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

This conference includes 1 credit in Pain Management and 2.75 credits in Prescribing Controlled Substances.

Credit for other providers is pending.

PLEASE NOTE: If you do not participate in the optional workshop, the conference is only accredited for 12 credits.

Registration and Cancellation
The course fee includes comprehensive course materials, 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 $525 for physicians and $350 for other ICU caregivers. Please return the Registration Form along with appropriate registration fee. PLEASE MAKE YOUR RESERVATIONS EARLY!

The fee for the Optional Ventilator Workshop is $100.

Refunds: Refunds, minus an administrative fee of $75, will be made only if notice of cancellation is received, in writing, by September 30, 2014. No refunds are possible after that date.
University of Vermont
Fletcher Allen Health Care Faculty

Gilman B. Allen, MD
Associate Professor, Medicine
Division of Pulmonary and Critical Care
Director, Adult Critical Care Services

Jada L. Barton, RN
Staff Nurse III
Surgical/Pediatric Intensive Care

S. Patrick Bender, MD
Course Co-Director
Assistant Professor, Anesthesiology
Director, Anesthesiology Residency Program
Attending, Anesthesiology and Critical Care Medicine

Ian H. Black, MD
Associate Professor, Anesthesiology

William E. Charash, MD, PhD
Course Co-Director
Associate Professor, Surgery
Chief, Division of Trauma, Burns and Critical Care
Co-Director, SICU for Trauma Critical Care

Brian A. Erickson, MD
Clinical Assistant Professor, Psychiatry

Mark K. Fung, MD, PhD
Associate Professor, Pathology
Director, Blood Bank

Christopher J. Gonyea, RRT
Respiratory Therapist

Christopher M. Greene, MD
Workshop Course Director
Associate Professor, Anesthesiology
Attending, Anesthesiologist and Surgical Intensivist

Mark P. Hamlin, MD, MS
Associate Professor, Anesthesiology and Surgery
Co-Director, SICU for General and Subspecialty Surgical Critical Care
Medical Director, Respiratory Care Services
Director, Anesthesia Critical Care

Barry W. Heath, MD
Professor, Pediatrics
Medical Director, Pediatric Intensive Care and Inpatient Pediatrics
Chief, Division of Inpatient and Critical Care Pediatrics
Vermont Children’s Hospital at Fletcher Allen Health Care

Robert M. Lobel, MD
Assistant Professor, Medicine
Division of Cardiology

Wesley D. McMillian, PharmD, BCPS, FCCM
Clinical Assistant Professor, Surgery
Section of Trauma, Burns and Critical Care
Manager, Pharmacy Clinical Practice
Director, PGY2 Critical Care Pharmacy Residency

Carlos A. Pino, MD
Associate Professor, Anesthesiology
Director, Center for Pain Medicine

Emily L. Stebbins, MD
Assistant Professor, Anesthesiology and Pediatrics

Joseph F. Winget, MD
Associate Professor, Medicine
Division of Cardiology
### Thursday, October 16

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00pm</td>
<td>Registration &amp; Exhibits</td>
<td></td>
</tr>
<tr>
<td>1:00</td>
<td>Welcome &amp; Introduction</td>
<td>S. Patrick Bender, MD, William Charash, MD</td>
</tr>
<tr>
<td>1:15</td>
<td>Common ICU Arrhythmias - Medical Management</td>
<td>Joseph Winget, MD</td>
</tr>
<tr>
<td>2:00</td>
<td>Common ICU Arrhythmias - Pacemakers and Defibrillators</td>
<td>Robert Lobel, MD</td>
</tr>
<tr>
<td>2:45</td>
<td>Break &amp; Exhibits</td>
<td></td>
</tr>
<tr>
<td>3:15</td>
<td>Gravid and Gravely Ill: Critical Illness During Pregnancy</td>
<td>S. Patrick Bender, MD</td>
</tr>
<tr>
<td>4:00</td>
<td>Pediatric Drowning and Submersion Injuries</td>
<td>Barry Heath, MD</td>
</tr>
<tr>
<td>4:45</td>
<td>Preparing a Neonate for the Operating Room</td>
<td>Emily Stebbins, MD</td>
</tr>
<tr>
<td>5:30</td>
<td>Welcome Reception – Registrants &amp; Guests</td>
<td></td>
</tr>
</tbody>
</table>

### Friday, October 17

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30am</td>
<td>Continental Breakfast &amp; Exhibits</td>
<td></td>
</tr>
<tr>
<td>8:00</td>
<td>Transfusion Therapy in the Critically Ill</td>
<td>Mark Fung, MD, PhD</td>
</tr>
<tr>
<td>8:45</td>
<td>Newer Anticoagulants and Procoagulants</td>
<td>Wesley McMillian, PharmD, BCPS, FCCM</td>
</tr>
<tr>
<td>9:30</td>
<td>Basic Ventilator Management</td>
<td>Christopher Gonyeau, RRT</td>
</tr>
<tr>
<td>10:15</td>
<td>Break &amp; Exhibits</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Advanced Ventilator Modes</td>
<td>Mark Hamlin, MD, MS</td>
</tr>
<tr>
<td>11:15</td>
<td>Management Strategies for Hypoxemia</td>
<td>William Charash, MD, PhD</td>
</tr>
<tr>
<td>12:00pm</td>
<td>Ventilator Strategies for Hypercarbia</td>
<td>Gilman Allen, MD</td>
</tr>
</tbody>
</table>
12:45pm  Registration for Workshop and Lunch for Workshop Participants

1:45        Ventilator Workshop (Optional)
            Gilman Allen, MD
            Christopher Gonyeau, RRT
            Christopher Greene, MD
            Mark Hamlin, MD, MS

Participants will rotate through the following four stations:
(Participation in this workshop does not certify competence)

* Conventional Ventilation Modes--Volume Control and Pressure Control
* Airway Pressure Release Ventilation (APRV) and High Frequency Oscillatory Ventilation (HFOV)
* Non-Invasive Positive Pressure Ventilation (NIPPV)
* New Weaning Modes (ASV, PCPSV, NAVA)

3:15        Workshop Adjourns

Saturday, October 18

7:30am      Continental Breakfast & Exhibits

8:00        Alternative Approaches to Pain Management
            Brian Erickson, MD

8:30        Managing Pain in the ICU: A Nursing Perspective
            Jada Barton, RN

9:00        Opioids: What’s All the Fuss About?
            Carlos Pino, MD

9:30        Strategies for the Opioid Tolerant Patient
            Ian Black, MD

10:15       Break & Exhibits

10:30       Panel Discussion: Opioid Tolerance and Opioid Abusers
            Moderator:
            William Charash, MD, PhD
            Panelists:
            Jada Barton, RN
            Ian Black, MD
            Brian Erickson, MD
            Carlos Pino, MD

12:00pm     Conference Adjourns
Flash Drive/Dropbox/Printed Syllabus

Please indicate on the registration panel if you wish to receive the presentations in a printed syllabus, sent by Dropbox or on a flash drive. **If you choose a flash drive or by Dropbox, you will be required to bring your laptop.** Extra printed syllabus books will not be available. For an additional $15, you may receive both a binder and either a flash drive or by Dropbox.

Accommodations

A block of beautifully appointed rooms has been reserved at the Stoweflake Resort in Stowe, VT. Please make your reservations directly with the hotel prior to August 30, 2014, by calling (802) 253-7355 or (800) 253-2232, and indicate your participation in this course to obtain our discounted rates: $258 single or double occupancy, plus Vermont State tax. Room rates cannot be guaranteed after August 30. **Accommodations sell out quickly throughout the area during foliage season.** We strongly encourage you to make your hotel reservations as soon as possible.

The Stoweflake offers extensive recreational facilities and superb continental cuisine. A spa, heated indoor and outdoor pools, jacuzzi, and fitness equipment are located on site.

Transportation

By Car - Take Exit 10 (Stowe/Waterbury exit) on I89. Follow Route 100N 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 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.

Take a walk along Stowe’s beautiful 5.5 mile bike path through the Stowe countryside. The bike path is accessible across the street from the Stoweflake. Additional activities include hiking, cycling, horseback riding, tennis, kayaking, canoeing, and golf. For more information, visit [www.gostowe.com](http://www.gostowe.com).

Fall Foliage

Stowe exudes breathtaking beauty in the fall. Mountain views surround you in a blaze of color. The village of Stowe, with its small town charm, offers many lovely, unique boutiques. Take a drive in any direction and enjoy Vermont’s spectacular scenery during the peak of our fall foliage.

Nearby Attractions

Nestled in the heart of the Green Mountains sits the original Ben & Jerry’s ice cream factory. The guided factory tour is fun & educational for all ages. Or visit the Cold Hollow Cider Mill and watch how apples are pressed and made into cider the old fashioned way. Inside the gates of the Shelburne Museum, visitors will discover 37 buildings that are home to vast collections of fine and decorative arts, paintings, folk sculpture, toys, dolls and more. Children of all ages will enjoy a trip to the Vermont Teddy Bear Company where they can watch a bear come to life before their eyes!
Northern New England Critical Care Conference

Name  (As you would like it to appear on your nametag and certificate)

Degree:  MD  DO  PA  NP  RN  CRNA  Other ____________________

Address

City  State  Zip

Phone  Specialty

Email

Initials  ______  ______  Last four digits of your SSN #

Flash Drive/Dropbox/Printed Syllabus

☐ Receive presentations via  ☐ Flash Drive  OR BY  ☐ Dropbox
☐ Syllabus binder with printed handouts
☐ Optional ($15): Receive a syllabus and presentations via
  ☐ Flash Drive  OR BY  ☐ Dropbox

Registration Fee Summary

☐ $525 Physicians  $___________
☐ $350 CRNAs  $___________
☐ $350 NPs, RTs, PAs, Fellows, Pharmacists,
  Physicians-in-Training  $___________
☐ $125 Non-Physician Trainees  $___________

CRNAs: In order to award credit, the AANA requires that we provide them with documentation
of nurse anesthetist attendance at the sessions. To that end, we will have a sign-in sheet avail-
able each day at the CME registration desk and ask that you simply check off each session you
attend. CRNA certificates of attendance will be mailed following the conference. Please include
your AANA Membership # below. Thank you.

AANA Membership #: ______________________

☐ $100 Ventilator Workshop  $___________
☐ $15 Optional Binder and Flash Drive/Dropbox  $___________
☐ Late Fee: After September 10, 2014, add $75  $___________

Total Enclosed  $___________

☐ I will attend the Welcome Reception.  # __________

Payment Method

☐ To register by credit card, please visit our website at:
  www.uvm.edu/medicine/cme. Scroll down to select the “Critical Care
  Conference.”
☐ Check (payable to the University of Vermont) - Please mail your payment
  along with a completed registration form to the address below:

Mail to:  UVM, Continuing Medical Education
  128 Lakeside Ave, Suite 100
  Burlington, Vermont  05401
  Phone:  (802) 656-2292
  Online:  www.uvm.edu/medicine/cme

Registration is requested by September 10, 2014