


Strategic Practices of Critical Care Medicine



April 29–30, 2010

Frank E. Anderson Conference Hall
11th Floor, R. Lee Clark Clinic, 1515 Holcombe Boulevard
The University of Texas M. D. Anderson Cancer Center
Houston, Texas

THE UNIVERSITY OF TEXAS
MD ANDERSON
CANCER CENTER
Making Cancer History®

A close-up photograph of medical equipment, likely a blood pressure monitor, with a digital display showing '20' and '18' in red. The background is blurred, showing other parts of the machine and a person's hand.

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Goal

The vision of The University of Texas M. D. Anderson Cancer Center is to enhance the excellence, value, safety and efficiency of our patient care. Focusing on the vision, the Department of Respiratory Care is presenting this symposium on Strategic Practices of Critical Care Medicine.

Target Audience

This symposium should be of interest to physicians, respiratory therapists, nurses, and other allied health professionals involved in critical care medicine, anesthesiology, respiratory care, nursing, and pharmacy.

Educational Methods

Lectures – Questions and Answers – Panel Discussions

Educational Objectives

After attending the symposium, participants should be able to

- Discuss current evidence-based methods in the management and treatment of sepsis;
- Explain evidence-based methods of managing pain and sleep deprivation;
- Describe and discuss neo-critical care issues, including ethical concerns and end-of-life care;
- Discuss how nutritional support optimizes patient outcomes in critical care;
- Explain the current rationale and approaches for optimal utilization of high frequency ventilation in both pediatric and adult population;
- Explain both the risks and benefits of invasive and noninvasive mechanical ventilation;
- Explain the various methods of obtaining hemodynamic readings, how to effectively interpret waveforms and the challenges associated with invasive monitoring;
- Explain new modalities in assessing cardiac disease;
- Discuss ventilator strategies in common disease conditions as well as the benefits and concerns associated with various modes of ventilator support;
- Recognize new molecular targets in the treatment of cancer.

Evaluation

A course evaluation form will provide participants with the opportunity to comment on the value of the program content to their practice decisions, performance improvement activities, or possible impact on patient health status. Participants will also have the opportunity to comment on any perceived commercial bias in the presentations as well as to identify future educational topics.



Accreditation/Credit Designation

The University of Texas M. D. Anderson Cancer Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Texas M. D. Anderson Cancer Center designates this educational activity for a maximum of 15.25 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

ETHICS CREDIT

The presentations *Ethical Concerns in Dealing with Brain Death* and *Palliative Care Issues in Intensive Care* have been designated by The University of Texas M. D. Anderson Cancer Center for .50 *AMA PRA Category 1 Credits*[™] in medical ethics and/or professional responsibility.

NURSING

Nursing Continuing Education Contact Hours will be awarded.

The University of Texas M. D. Anderson Cancer Center is an approved provider of continuing nursing education by the Texas Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. This activity meets Type 1 criteria for mandatory continuing education requirements toward relicensure as established by the Board of Nurse Examiners for the State of Texas.

RESPIRATORY THERAPISTS

Application for CRCE credit has been made to the Texas Society for Respiratory Care.

CME CERTIFICATES AND ATTENDANCE VERIFICATION CERTIFICATES

Certificates awarding *AMA PRA Category 1 Credit*[™] or certificates documenting attendance will be distributed to participants when an individual departs the symposium. To obtain a CME certificate, physicians must submit a completed evaluation questionnaire and a *CME Verification Form*.

Upon request, a record of attendance (certificate) will be provided on-site to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.





DIVISION HEAD, DIVISION OF ANESTHESIOLOGY & CRITICAL CARE

Thomas W. Feeley, MD

Vice President, Medical Operations
Professor, Department of Anesthesiology
Helen Shafer Fly Distinguished Professor in Anesthesiology

PROGRAM CHAIR

Kristen J. Price, MD

Professor & Chair, Critical Care
Medical Director, Respiratory Care

PROGRAM CO-CHAIR

Clarence G. Finch, MBA, RRT, RCP

Director, Respiratory Care

PLANNING COMMITTEE

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Advanced Practice Nurse
Nursing Service — ICU

Laura G. Withers, MBA, RRT, CPFT

Clinical Specialist
Respiratory Care, ICU

Program

Thursday, April 29, 2010

7:00–8:00 am Registration and Continental Breakfast

8:00–8:15 Opening Remarks
Kristen J. Price, MD
Clarence Finch, MBA, RRT, RCP

SEPSIS

8:15–8:35 **The Role of Inflammation in Sepsis and ARDS**
Barbara McLean, MN, RN, CCRN, CCNS-NP, FCCM

8:35–8:55 **Sepsis**
Bela Patel, MD, DABSM, FCCP

8:55–9:25 **Evaluation and Management of Sepsis
(Pathogenesis, Identification,
Treatment Bundles)**
Michael Ackerman, RN, DNS

9:25–9:45 **The Power of the Pyramid:
A Proven Sepsis Implementation
Program for Saving Lives**
Kathleen M. Vollman, MSN, RN, CCNS, FCCM

9:45–10:05 **Panel Discussion/Questions
and Answers**

10:05–10:15 Break



DELIRIUM

- 10:15–10:35 **Sedation and Delirium**
Pratik Pandharipande, MD, MSCI, FCCM
- 10:35–10:55 **Assessing Sedation Levels using RASS Scoring**
Jeffrey J. Bruno, PharmD, BCPS
- 10:55–11:15 **Sleep Medicine/ Thromboembolic Disease**
Sajid Haque, MD
- 11:15–11:35 **Panel Discussion/Questions and Answers**
- 11:35–11:55 **Post Anesthetic Delirium**
Vickie S. Jordan, CRNA, DNP
- 11:55–Noon Questions and Answers
- Noon–1:00 pm Lunch (provided)



NEURO-CRITICAL CARE

1:00–1:20 **Open Lung Ventilation with Spontaneous Breathing (BiVent/APRV)**

Jonathan Marinaro, MD, DABSM, FCCP

1:20–1:40 **Mechanical Ventilation in Patients in Intracranial Hypertension**

John W. Crommett, MD

1:40–2:00 **Monitoring of Brain Tissue pO₂**

Claudia S. Robertson, MD

2:00–2:20 **Ethical Concerns in Dealing w/ Brain Death (Death by Neurological Criteria)** (Ethics Credit)

Colleen M. Gallagher, PhD, FACHE

2:20–2:40 **Panel Discussion/Questions and Answers**

2:40–3:00 Break

NUTRITION

3:00–3:20 **Indirect Calorimetry**

Joseph L. Nates, MD, MBA

3:20– 3:40 **Proactive Bowel Management in Critically Ill Patients**

Bruce Friedman, MD

3:40–4:00 **Immune Enhancing Nutrition in Acute Lung Injury/ ARDS**

Brian M. Dee, PharmD, BCPS

4:00–4:15 **Panel Discussion/Questions and Answers**

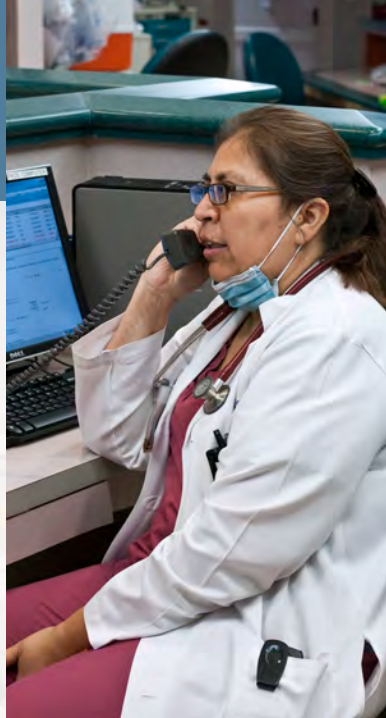
STRATEGIES IN CANCER THERAPY

4:15–4:35 **Strategies Towards Personalized and Targeted Cancer Therapy**

Ewan Johnson, MD, PhD

4:35–4:40 **Questions and Answers**

4:40–5:00 Wrap up and Adjourn



Friday, April 30, 2010

EARLY BIRD SESSION: PEDIATRICS

7:00–7:20 **Cardio-respiratory Interactions:
How Breathing Affects the Heart**

Alexandre T. Rotta, MD, FCCM, FAAP

7:20–7:40 **An Update on the NAEEP Asthma Guidelines or Conditions
that Mimic Asthma (“When is Asthma not Asthma”)**

Joel C. Ledbetter, MD

7:40–8:00 **Pediatric Critical Care**

Rodrigo Mejia, MD

8:00–8:20 **Panel Discussion/Questions and Answers**

8:20–8:30 Break

8:30–9:30

KEYNOTE ADDRESS
Intrathoracic Bronchial
Alveolar Lung and Circulatory
Recruitment in the Acute
COPD Patient

Forrest Bird, MD, PhD, ScD

HIGH FREQUENCY

9:30–9:50

Secretion Management
in Ventilated Patients

Richard Branson, MSc, RRT

9:50–10:10

Long-term Oxygen Therapy for COPD Patients

Patrick Dunne, MEd, RRT, FAARC

10:10–10:30

The Treatment and Management of Acute Lung Injury/ARDS

Brian M. Daniel, RRT

10:30–10:50

Panel Discussion/Questions and Answers

10:50–11:00

Break

HEMODYNAMICS

11:00–11:20

Assessing Pre-load Responsiveness Using
Stroke Volume Variation

Barbara “Bobbi” Leeper, MN, RN, CCRN

11:20–11:40

Non-invasive Hemodynamic Monitoring

Tom Ahrens, RN, DNS, CCRN, CS

11:40–Noon

Panel Discussion/Questions and Answers

Noon–1:00 pm

Lunch (provided)



END-OF-LIFE CARE

- 1:00–1:20 **Critical Care Outcomes in Cancer Patients**
Kristen J. Price, MD
- 1:20–1:40 **Palliative Care Issues in Intensive Care** (Ethics Credit)
Eduardo Bruera, MD
- 1:40–2:00 **Pediatric Palliative Care - Scope of Practice
in the ICU and Beyond**
Regina Okuysen-Cawley, MD
- 2:00–2:20 **Panel Discussion/Questions and Answers**
- 2:20– 2:35 Break

VENTILATION

- 2:35–2:55 **Lung Protective Ventilation Strategies**
Dean Hess, PhD, RRT, FAARC
- 2:55–3:15 **Optimizing Success with Non-invasive Ventilation**
Nicholas Hill, MD
- 3:15–3:35 **Weaning from Mechanical Ventilation**
Nisha Rathi, MD
- 3:35–3:55 **Panel Discussion/Questions and Answers**
- 3:55–4:15 **Sleep Medicine**
Dave Balachandran, MD
- 4:15–4:20 **Questions and Answers**
- 4:20–4:40 **Outcomes of the Flu Season**
Cheryl Perego
- 4:40–5:00 **Closing Remarks - Certificates Awarded**

M. D. Anderson Faculty

Dave Balachandran, MD

Assistant Professor
Pulmonary Medicine

Eduardo Bruera, MD

Professor & Chair
Palliative Care & Rehab Medicine

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Pharmacy Clinical Programs

John W. Crommett, MD

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Hematology-Medical Oncology Fellow
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Associate Professor
Pediatrics — Patient Care

Cheryl Perego

Supervisor
Infection Control

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Professor & Chair
Critical Care

Nisha Rathi, MD

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Sandpoint, Idaho

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Cincinnati, Ohio

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Cardiovascular Services
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Section Chief Surgical Critical Care
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Indiana University School of Medicine
Indianapolis, Indiana

Kathleen M. Vollman, MSN, RN, CCNS, FCCM

Clinical Nurse Specialist
Educator, Consultant
Advancing Nursing, LLC
Northville, Michigan

REGISTRATION INFORMATION

On-site registration opens at 7:00 a.m. on Thursday, April 29, 2010, and the symposium will begin at 8:00 a.m. on Thursday, April 29, 2010. Advance registration is encouraged as space and materials are limited. Please see registration form for applicable fees.

The deadline for advance registration is April 16, 2010.

There are three ways to register:

- Mail to:
CME/Conference Management – Unit 1381, The University of Texas M. D. Anderson Cancer Center
P.O. Box 301439, Houston, TX 77230-1439
- Fax to: 713-794-1724
- On-line at www.mdanderson.org/conferences

We accept the following forms of payment:

- Check (payable through U.S. banks only)
- Money Order
- Credit Cards (MasterCard, VISA, and American Express)
- Cash (on-site registration only)

A receipt and confirmation letter will be sent to you within ten working days of receipt of your fee.

The full conference registration fee includes the tuition, syllabus, continental breakfasts, breaks, and lunches.

REFUND/CANCELLATION POLICY

The registration fee, minus a \$50 administrative handling fee, is refundable if a written request is received on or before April 16, 2010. No refunds will be granted after that date. The request for a registration refund must include the tax identification number of the company or institution if registration was paid by a company or institution check. Although no refunds will be granted after April 16, 2010, you may transfer your registration to a colleague.

The Department of CME/Conference Management reserves the right to cancel activities prior to the scheduled date, if low enrollment or other circumstances make it necessary. Each registrant will be notified either by mail, e-mail, or the contact numbers as given on the registration form. In case of activity cancellation, liability of the Department of CME/Conference Management is limited to the registration fee. CME/Conference Management will refund the full registration fee.

The Department of CME/Conference Management reserves the right to limit the number of participants in a program and is not responsible for any expenses incurred by an individual whose registration is not confirmed and for whom space is not available.

For additional information, contact CME/Conference Management at 713-792-2223 or toll free at 866-849-5866.

SPECIAL ASSISTANCE

Contact the Department of CME/Conference Management at 713-792-2223 or toll free at 866-849-5866 if you have any special dietary or ADA accommodation needs.

ACCOMMODATIONS

- A block of rooms has been reserved for symposium attendees at the **Marriott Houston Medical Center**, 6580 Fannin, Houston, Texas.
- Early hotel reservation is suggested.
- The hotel phone number is 713-796-0080.
- When you make reservations be sure to mention the **Strategic Practices of Critical Care Medicine Symposium** to be assured of receiving the special meeting rate of \$149.00 single or double occupancy. Please add 17% Texas state and local taxes.
- Reservations and deposits received after April 15, 2010 will be confirmed if space is available and at current hotel published guest room rates.

AIR TRAVEL

M. D. Anderson has a program with Continental Airlines for discounted air travel. For discounts, call your travel professional or Continental's MeetingWorks toll free at 800-468-7022. Outside of the United States, please call your local Continental Airlines Reservation Office. Mention Z Code: **ZEPN** and Agreement Code: **AKE7NE**.

GROUND TRANSPORTATION *(prices are subject to change)*

- Houston is served by two airports, George Bush Intercontinental (IAH) and William P. Hobby (HOU).
- Taxicabs are available at an estimated cost of \$40-60, to or from William P. Hobby Airport or George Bush Intercontinental Airport.
- Super Shuttle operates a shuttle bus between George Bush Intercontinental Airport and the Marriott Houston Medical Center for \$23 one-way and \$42 round-trip. For more information, call 713-523-8888 or toll-free at 800-258-3826 or on-line at www.supershuttle.com.
- Super Shuttle operates a shuttle bus between William P. Hobby Airport and the Marriott Houston Medical Center for \$18 one-way and \$32 round-trip. For more information, call 713-523-8888 or toll-free at 800-258-3826 or on-line at www.supershuttle.com.

EducationCounts[®]
Success in our Mission begins with Education

The University of Texas M. D. Anderson Cancer Center has implemented a process whereby everyone who is in a position to control the content of an educational activity must disclose all relevant financial relationships with any commercial interest that could potentially affect the information presented. M. D. Anderson also requires that all faculty disclose any unlabeled use or investigational use (not yet approved for any purpose) of pharmaceutical and medical device products. Specific disclosure will be made to the participants prior to the educational activity.

Agendas are subject to change because we are always striving to improve the quality of your educational experience. M. D. Anderson may substitute faculty with comparable expertise on rare occasions necessitated by illness, scheduling conflicts, and so forth.

Audiotaping and videotaping are prohibited.

CONFERENCE REGISTRATION - 0438

Strategic Practices of Critical Care Medicine – April 29–30, 2010

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Please let us know what specific topics, issues or questions you wish to see addressed or emphasized in this activity.
 Fax or e-mail CME/Conference Management. All responses will be forwarded to the Program Chair for consideration.

REGISTRATION FEES

- PHYSICIANS**
- Postmarked before 4/16/10.....\$ 300.00
 - Postmarked after 4/16/10.....\$ 350.00
 - On-site.....\$ 400.00

- M. D. ANDERSON PHYSICIANS**
- Postmarked before 4/16/10.....\$ 250.00
 - Postmarked after 4/16/10.....\$ 300.00
 - On-site.....\$ 350.00

- ALLIED HEALTH**
- Postmarked before 4/16/10.....\$ 200.00
 - Postmarked after 4/16/10.....\$ 250.00
 - On-site.....\$ 300.00

- M. D. ANDERSON ALLIED HEALTH**
- Postmarked before 4/16/10.....\$ 175.00
 - Postmarked after 4/16/10.....\$ 225.00
 - On-site.....\$ 275.00

- STUDENTS**
- Postmarked before 4/16/10.....\$ 80.00
 - Postmarked after 4/16/10.....\$ 100.00
 - On-site.....\$ 100.00

- ONE DAY FACULTY/ALLIED HEALTH**
- Thursday....\$ 125.00 Friday....\$ 125.00
- ONE DAY STUDENTS**
- Thursday....\$ 50.00 Friday....\$ 50.00

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