

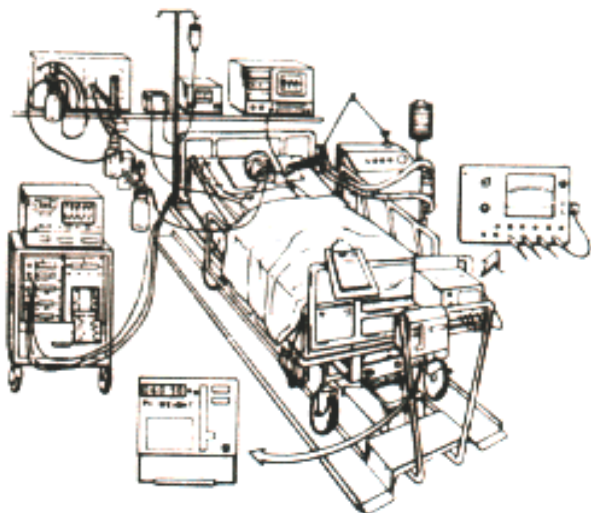
Preliminary Program

48th

Annual USC Weil Symposium on
**CRITICAL CARE
AND EMERGENCY
MEDICINE**

Sunday, April 11-Thursday, April 15, 2010

Westin Mission Hills
Rancho Mirage, California



Presented by
Office of Continuing Medical Education
Keck School of Medicine
of the University of Southern California
and
The Weil Institute of Critical Care Medicine®
in affiliation with the Eisenhower Medical Center

Directed by
Max Harry Weil, M.D., Ph.D.

COURSE DESCRIPTION AND NEEDS ASSESSMENT

Course Description:

The 48th Annual USC Weil Symposium on Critical Care and Emergency Medicine will address many of the challenges faced by healthcare professionals who care for critically ill and injured patients, and is designed to review state-of-the-art information about the diagnosis and management of these patients. The target audience includes critical care specialists, emergency physicians, hospitalists, internists, cardiologists, pulmonologists, anesthesiologists, nephrologists, traumatologists, general surgeons, and primary care providers who care for critically ill patients. The program provides an ideal mix of traditional standard-of-care principles based on established guidelines with cutting-edge, forward-moving practices. Didactic lectures on current management are featured in the Plenary Sessions. The “Update 2010” series of lectures highlights the most important advances. Practical skills are taught in half-day hands-on workshops, which will bridge the gap between journals/textbooks and the bedside by providing didactic presentations along with hands-on experience.

This conference was the first and continues as the oldest course on Critical Care Medicine. The program offers the opportunity to fill important gaps in the multi-specialty and broad-based areas of critical care and emergency medicine, help to drive new guidelines into practice, and result in changes throughout the continuum of patient care.

Needs Assessment:

Critical care medicine is a multi-specialty approach to healthcare for patients with acute, life-threatening illness or injury. Ten percent of expenditures on health care are estimated to be spent on critically ill patients.¹ More than five million patients are admitted annually to ICUs in the United States for postoperative management, respiratory insufficiency/failure, heart failure or sepsis.² Because the care of critically ill patients, including patients in emergency departments, is rapidly evolving, new methods are often not implemented at the bedside. Because the broad-based specialty of Emergency Medicine is influenced by developments in many fields, keeping up with current developments is nearly impossible.³ In planning the program, the committee conducted literature searches, reviewed national guidelines, analyzed past participant surveys from this and similar programs, and consulted experts to determine gaps in practitioner knowledge, competence or performance. Learning objectives (see page 3) linked to identified gaps were developed and will be addressed by program faculty.

¹ Fowler RA, Adhikari NKJ, Scales DC, Lee WL, Rubenfeld GD. Update in Critical Care 2007. *Am J Respir Crit Care Med* 2008 Vol 177. pp 808-819.

² Society of Critical Care Medicine. *Critical Care Statistics in the United States*. Society of Critical Care Medicine, 2006.

³ Lang ES, Wyer PC, Haynes RB. Knowledge Translation: Closing the Evidence-to-Practice Gap. *Annals of Emergency Medicine*. Vol 49, No. 3. March 2007.

Additional Course Information: Please see page 21.

OBJECTIVES

At the conclusion of the program, the participant who has attended appropriate sessions should be able to:

- assess risks and choose practical options for mechanical ventilation; describe the management of acute respiratory failure and the prevention of ventilator induced lung injury and ventilator associated pneumonias; explain options for more facile endotracheal intubation, tracheotomy, and non-invasive and less invasive ventilation; recognize the increasing value of capnometry and employ it as a routine cardiorespiratory monitor; discuss management of inhalation injuries;
- identify and manage acute cardiovascular crises, including chest pain, acute coronary syndromes, heart failure, major rhythm disturbances, and pericardial disease; describe and apply appropriate preoperative evaluation prior to surgery of patients with coronary artery disease; distinguish between primary cardiac and primary asphyxial cardiac arrest and manage treatment in accord with new guidelines, including options for defibrillation, hypothermia, and management of post resuscitation myocardial dysfunction and ischemic brain damage; discuss the current role of less invasive and non-invasive hemodynamic monitoring and the newly recognized role of microcirculatory imaging for diagnosis and management of circulatory shock; discuss the role of ultrasound for both imaging the heart, chest and abdominal organs and for placement of central catheters at the bedside;
- identify emerging infectious diseases of the 21st century, including new influenza strains, MRSA, *clostridial* disease, and systemic *candidiasis*; discuss diagnosis and treatment of sepsis, including septic markers, septic shock, and multiorgan failure; describe fluid resuscitation and indications for early medical and surgical treatment of shock states; identify the options for decreasing line sepsis and management of the immunosuppressed or granulocytopenic patient; describe diagnosis and management of both community- and hospital-acquired pneumonias and life-threatening exacerbations of obstructive airway diseases; describe the epidemiology and management of antibiotic resistance, including hospital infection control and restricted use of antimicrobial drugs; diagnose and treat meningitis and encephalitis; implement guidelines for appropriate use of prophylactic antibiotics; implement computerized protocols for management of life-threatening infections;
- identify intoxications with diverse poisons and street drugs, and serious complications of commonly used medications; implement appropriate initial management of wounds after traumatic injuries; describe the initial management of the severely burn-injured patient; employ current indications for blood transfusions and their alternatives; review bleeding disorders and choose methods of hemostasis; discuss the concept of goal-directed resuscitation;
- describe and apply current guidelines for diagnosis and management of acute renal failure and options for renal replacement therapy; discuss management of organ failures, electrolyte and acid base emergencies, and acute endocrine crises; evaluate options for nutrition during the course of critical illness; define the hepatorenal syndrome and its management;
- Implement current guidelines for differential diagnosis and optimal management of both hemorrhagic and thrombotic strokes, including thrombolysis, other pharmacological interventions, and surgical management; discuss the significance and practical implications of transient ischemic attacks; describe and apply current initial management for seizures, syncope, and head injuries;
- identify and treat anxiety and manage post-operative pain without the adversities of long term sedation; adopt protocols for analgesia and sedation based on increasingly objective criteria; recognize the risks of dementia, especially in the elderly critically ill; employ guidelines for care of the elderly and priorities of end-of-life care; integrate the mandated attention to human values and ethical priorities as part of the management of patients with life-threatening diseases or injuries.

PRE-COURSE

SUNDAY, APRIL 11, 2010

7:45 a.m. - 5:00 p.m.

Choose any two half-day workshops.

**ALL workshops have limited space; early registration is advised.
Workshops offer up to 8 AMA PRA Category 1 credits.**

Half-Day Workshops on Practical Methods and Techniques

Each workshop begins at 7:45 a.m. and continues until 11:45 a.m., and is repeated between 1:00 p.m. and 5:00 p.m. Attendees may choose any two of the scheduled workshops; one in the morning and the second in the afternoon.

Each workshop offers the opportunity for hands-on experience with appropriate equipment under the direction of the expert faculty instructors.

1. **Methods of Inducing Hypothermia During and Following CPR**

Wanchun Tang, M.D., and Karl B. Kern, M.D.

This pre-course describes the beneficial effects of therapeutic hypothermia on outcomes of CPR and introduces the current techniques for producing hypothermia.

2. **Ultrasound for Critical Care Physicians: Central, Venous, and Arterial Cannulations, Basic Cardiac Evaluation, and Assessment of Volume Responsiveness**

Philip D. Lumb, M.B.

This workshop demonstrates methods of central venous and arterial catheterization, cardiac evaluation and volume responsiveness, and pinpoints critical care procedures guided by ultrasound.

3. **Advances in Mechanical Ventilation and Management of the Airway: How Many Knobs Do We Really Need?**

Dean R. Hess, Ph.D., and Neil S. MacIntyre, M.D.

An update on ventilator modes and their application in patients with acute respiratory failure. Newer invasive and non-invasive methods of securing the airway and adequacy of ventilation will be illustrated. Ventilatory management of acute lung injury and obstructive lung disease will be discussed, as well as strategies for weaning of ventilatory support.

4. **Simulation Workshop: Diagnosis and Management of Acute Circulatory and Respiratory Crises**

Brian S. Kaufman, M.D., Kevin J. Felner, M.D., and Eric C. Rackow, M.D.

In this workshop, participants will have the opportunity to evaluate and manage simulated critically ill patients using human patient simulators. The cases will focus on patients with circulatory shock and acute respiratory crises with particular emphasis on airway management

Pre-Courses must be taken in conjunction with the 4-day symposium.

Mark the appropriate choices on the registration form on page 23.

MONDAY, APRIL 12, 2010

7:45 - 10:00 a.m.

Time Period 1

PLENARY SESSION

Presiding: Allan V. Abbott, M.D., and Max Harry Weil, M.D., Ph.D.

CELEBRITY BALLROOM

7:45 - 8:00 **INTRODUCTION**

Allan V. Abbott, M.D., and Max Harry Weil, M.D., Ph.D.

HERBERT SHUBIN MEMORIAL LECTURES

8:00 - 8:25 **Weaning from Mechanical Ventilation**

Neil R. MacIntyre, M.D.

8:25 - 8:50 **New Options for More Facile Endotracheal Intubations**

Philip D. Lumb, M.B.

8:50 - 9:15 **End Points of Resuscitation: Hemodynamic Optimization and How to Confirm - Part 1**

Emanuel P. Rivers, M.D.

9:15 - 9:40 **ETHICS AND PRACTICE**

†Life Support Ethics and “Do Not Resuscitate”

Max Harry Weil, M.D., Ph.D.

9:40-10:05 **Panel Discussion: End Points of Resuscitation**

Drs. MacIntyre, Lumb, Rivers and Weil

10:05 - 10:30 a.m. COFFEE BREAK - EXHIBIT HALL

10:30 - 11:20 a.m.

Time Period 2

MINI-COURSES

CELEBRITY D - UPDATE 2010

Bedside Ultrasound for Initial Diagnosis

Philip D. Lumb, M.B.

AMBASSADOR 4

Post Cardiac Arrest: Interventions During the Initial Six Hours After Return of Spontaneous Circulation

Emanuel P. Rivers, M.D.

AMBASSADOR 5

Securing the Difficult Airway

Brian S. Kaufman, M.D.

RANCHO MIRAGE

Management of Diabetic Ketoacidosis and Its Complications

Lori B. Sweeney, M.D.

MONDAY, APRIL 12, 2010

11:25 a.m. - 12:15 p.m.

Time Period 3

MINI-COURSES

CELEBRITY D - UPDATE 2010

Importance of Percutaneous Coronary Intervention for Resuscitated Victims of Out-of-Hospital Cardiac Arrest

Karl B. Kern, M.D.

AMBASSADOR 4

Fever in the ICU

Janice L. Zimmerman, M.D.

AMBASSADOR 5 - CASE STUDY

† Case Studies on Catastrophic Complications of Commonly Used Medications

William T. Browne, M.D.

RANCHO MIRAGE

Update on the Prevention, Diagnosis, and Treatment of Ventilator-associated Pneumonia

Marin H. Kollef, M.D.

12:15 - 1:30 p.m. LUNCH BREAK

1:30 - 2:20 p.m.

Time Period 4

MINI-COURSES

CELEBRITY D - UPDATE 2010

Current Guidelines for the Management of Chest Pain Presenting in the Emergency Department

Jay L. Falk, M.D.

AMBASSADOR 4

Feeding the Critically Ill and Injured

William T. Browne, M.D.

AMBASSADOR 5

Mechanical Options for Sustaining the Circulation Before, During and After Catheter or Surgical Interventions

Karl B. Kern, M.D.

RANCHO MIRAGE

Interpreting Measurements for Diagnosis and Treatment of Thyroid Diseases in the Critically Ill

Lori B. Sweeney, M.D.

MONDAY, APRIL 12, 2010

2:25 - 3:15 p.m.

Time Period 5

MINI-COURSES

CELEBRITY D - UPDATE 2010

Environmental Hypothermia and Hyperthermia

Janice L. Zimmerman, M.D.

AMBASSADOR 4

Management of Acute Kidney Injuries

Kevin K. Chung, M.D.

AMBASSADOR 5 - CASE STUDY

Critical Care Radiology - Interactive Case Discussion

Brian S. Kaufman, M.D.

RANCHO MIRAGE

Use of Computerized Protocols to Optimize the Management of Life-threatening Infections

Marin H. Kollef, M.D.

3:15 - 3:45 p.m. COFFEE BREAK - EXHIBIT HALL

3:45 - 5:15 p.m.

Time Period 6

PLENARY SESSION

Presiding: William T. Browne, M.D.

CELEBRITY BALLROOM

3:45 - 4:15 **Goal Directed Therapy Has Survived**

Emanuel P. Rivers, M.D.

4:15 - 4:45 **Management of ARDS**

Neil R. MacIntyre, M.D.

4:45 - 5:15 **Diagnosis and Management of Acute Acid-Base Disorders**

Janice L. Zimmerman, M.D.

TUESDAY, APRIL 13, 2010

8:00 - 10:00 a.m.

Time Period 7

PLENARY SESSION

Presiding: Eric C. Rackow, M.D.

CELEBRITY BALLROOM

MAX HARRY WEIL INTERNATIONAL LECTURE

8:00 - 8:25 **Current Guidelines for the Management of Severe Sepsis and Septic Shock**

Jean-Louis Vincent, M.D., Ph.D.

8:25 - 8:50 **Optimizing Antimicrobial Therapy for Life-threatening Infection**

Dennis G. Maki, M.D.

8:50 - 9:15 **Lung Protective Ventilation**

Neil R. MacIntyre, M.D.

9:15 - 10:40 **Emerging Infectious Diseases of the 21st Century**

Dennis G. Maki, M.D.

9:40-10:05 **Panel Discussion: Life-threatening Infections**

Drs. Vincent, Maki and MacIntyre

10:05 - 10:30 a.m. COFFEE BREAK - EXHIBIT HALL

10:30 - 11:20 a.m.

Time Period 8

MINI-COURSES

CELEBRITY D - UPDATE 2010

Recognition and Management of Drug Withdrawal Symptoms

Janice L. Zimmerman, M.D.

AMBASSADOR 4

Management of ARDS: What is Really Evidence-Based?

Jean-Louis Vincent, M.D., Ph.D.

AMBASSADOR 5

MRSA and Its Management

Marin H. Kollef, M.D.

RANCHO MIRAGE - CASE STUDY

Case Studies on Massive Body Burns

Kevin K. Chung, M.D.

TUESDAY, APRIL 13, 2010

11:25 a.m. - 12:15 p.m.

Time Period 9

MINI-COURSES

CELEBRITY D - UPDATE 2010

Pre-operative Evaluation of Non-cardiac Surgery in Patients with Coronary Artery Disease

Nora F. Goldschlager, M.D.

AMBASSADOR 4

End Points of Resuscitation: Hemodynamic Optimization and How to Confirm - Part 2

Emanuel P. Rivers, M.D.

AMBASSADOR 5 - CASE STUDY

Case Studies on Diagnosis and Management of Meningitis and Encephalitis

William T. Browne, M.D.

RANCHO MIRAGE

The Poisoned Patient: Identifying the Source and Initiating Therapy

Jay L. Falk, M.D.

12:15 - 1:30 p.m. LUNCH BREAK

1:30 - 2:20 p.m.

Time Period 10

MINI-COURSES

CELEBRITY D - UPDATE 2010

Ventilator Management of Obstructive Lung Disease

Neil R. MacIntyre, M.D.

AMBASSADOR 4

Management of Severe Bleeding

Jean-Louis Vincent, M.D., Ph.D.

AMBASSADOR 5

Adrenal Management of the Critically Ill: Glucocorticoids Are Not Obsolete

Emanuel P. Rivers, M.D.

RANCHO MIRAGE

Management of Invasive Candida Infections

Marin H. Kollef, M.D.

TUESDAY, APRIL 13, 2010

2:25 - 3:15 p.m.

Time Period 11

MINI-COURSES

CELEBRITY D - UPDATE 2010

Management of Complex Skin and Soft Tissue Infection

Dennis G. Maki, M.D.

AMBASSADOR 4

Exercise-induced Arrhythmias

Nora F. Goldschlager, M.D.

AMBASSADOR 5

A Rational Approach to Diagnosis and Management of Coagulation Disorders

Janice L. Zimmerman, M.D.

RANCHO MIRAGE - CASE STUDY

Case Discussions on Endocrine Emergencies

Lori B. Sweeney, M.D.

3:15 - 3:45 p.m. COFFEE BREAK - EXHIBIT HALL

3:45 - 5:15 p.m.

Time Period 12

PLENARY SESSION

Presiding: William T. Browne, M.D.

CELEBRITY BALLROOM

3:45 - 4:15 **Prevention and Management of Line Sepsis**

Dennis G. Maki, M.D.

4:15 - 4:45 **Risks and Rewards of Blood Transfusions**

Max Harry Weil, M.D., Ph.D.

4:45 - 5:15 **Evaluation of the Patient with Syncope**

Nora F. Goldschlager, M.D.

WEDNESDAY, APRIL 14, 2010

8:00 - 10:00 a.m.

Time Period 13

PLENARY SESSION

Presiding: Max Harry Weil, M.D., Ph.D.

CELEBRITY BALLROOM

8:00 - 8:25 **Capnography: An Outstanding Non-invasive Monitor of Cardiopulmonary Function**
Jay L. Falk, M.D.

8:25 - 8:50 **†† Transitioning the Critically Ill Elderly from Hospital to Home**
Eric C. Rackow, M.D.

8:50 - 9:15 **Advances in the Management of Atrial Fibrillation**
Nora F. Goldschlager, M.D.

9:15 - 10:40 **Diagnosis and Management of Heart Failure**
Joseph E. Parrillo, M.D.

9:40-10:05 **Panel Discussion: Cardiac Crises**
Drs. Falk, Rackow, Goldschlager, and Parrillo

10:05 - 10:30 a.m. COFFEE BREAK - EXHIBIT HALL

10:30 - 11:20 a.m.

Time Period 14

MINI-COURSES

CELEBRITY D - UPDATE 2010

The New Plague, *C. difficile*: Prevention and Management
Dennis G. Maki, M.D.

AMBASSADOR 4

Management of Acute Strokes
Andy S. Jagoda, M.D.

AMBASSADOR 5

Tight Glycemic Control in the Critically Ill and Injured: Resolving Current Controversies
Lori B. Sweeney, M.D.

WEDNESDAY, APRIL 14, 2010

11:25 a.m. - 12:15 p.m.

Time Period 15

MINI-COURSES

CELEBRITY D - UPDATE 2010

Prevention and Management of Infection in the Granulocytopenic Patient
Dennis G. Maki, M.D.

AMBASSADOR 4

Monitoring the Microcirculation to Guide Resuscitation
Jean-Louis Vincent, M.D., Ph.D.

AMBASSADOR 5

Meet the Professor: Arrhythmias in the ICU
Nora F. Goldschlager, M.D.

12:15 - 1:30 p.m. LUNCH BREAK

1:30 - 2:20 p.m.

Time Period 16

MINI-COURSES

CELEBRITY D - UPDATE 2010

Management of Infectious Endocarditis
Dennis G. Maki, M.D.

AMBASSADOR 4

Management of Inhalation Injuries
Kevin K. Chung, M.D.

AMBASSADOR 5 - CASE STUDY

Case Studies on Bleeding Disorders
William T. Browne, M.D.

WEDNESDAY, APRIL 14, 2010

2:25 - 3:15 p.m.

Time Period 17

MINI-COURSES

CELEBRITY D - UPDATE 2010

† **The Sedation-free ICU in 2010**

Jean-Louis Vincent, M.D., Ph.D.

AMBASSADOR 4

Transient Ischemic Attacks and Their Pragmatic Implications

Jay L. Falk, M.D.

AMBASSADOR 5

Meet the Professor: Managing Care During the Transition from Hospital to Home

Eric C. Rackow, M.D.

3:15 - 3:45 p.m. COFFEE BREAK - EXHIBIT HALL

3:45 - 5:15 p.m.

Time Period 18

PLENARY SESSION

Presiding: Eric C. Rackow, M.D.

CELEBRITY BALLROOM

3:45 - 4:15 **Controversies in the Continuing Management of Acute Ischemic and Hemorrhagic Strokes**

Andy S. Jagoda, M.D.

4:15 - 4:45 **Hypothermia as a Standard of Practice for Management of CPR**

Wanchun Tang, M.D.

4:45 - 5:15 **Diagnosis and Current Options for Management of Cardiogenic Shock**

Joseph E. Parrillo, M.D.

THURSDAY, APRIL 15, 2010

8:00 - 10:00 a.m.

Time Period 19

PLENARY SESSION

Presiding: William T. Browne, M.D.

CELEBRITY BALLROOM

8:00 - 8:25 **Anticipating Major Changes in the 2010 Guidelines of the American Heart Association**

Wanchun Tang, M.D.

8:25 - 8:50 **Albumin, Colloids, or Crystalloids for Volume Repletion?**

Jean-Louis Vincent, M.D., Ph.D.

8:50 - 9:15 **Non-invasive Patient Monitoring**

Max Harry Weil, M.D., Ph.D.

9:15 - 10:40 **Myocardial Dysfunction During Septic Shock**

Joseph E. Parrillo, M.D.

9:40-10:05 **Panel Discussion: Management of Acute Circulatory Failures**

Drs. Tang, Vincent, Weil, and Parrillo

10:05 - 10:15 a.m. COFFEE BREAK - FOYER

10:15 - 11:05 a.m.

Time Period 20

MINI-COURSES

CELEBRITY D - UPDATE 2010

Mechanical Chest Compression During CPR

Wanchun Tang, M.D.

AMBASSADOR 4

Management of the Agitated Patient

Andy S. Jagoda, M.D.

AMBASSADOR 5

Hepatorenal Syndrome

Kevin K. Chung, M.D.

THURSDAY, APRIL 15, 2010

11:10 a.m. - 12:00 noon

Time Period 21

MINI-COURSES

CELEBRITY D - UPDATE 2010

Is there Really a Pharmacological Intervention Appropriate for Advanced Life Support?

Wanchun Tang, M.D.

AMBASSADOR 4

Continuous Renal Replacement Therapy

Kevin K. Chung, M.D.

AMBASSADOR 5

Sleep Apnea

William T. Browne, M.D.

12:00 - 1:15 p.m. LUNCH BREAK

1:15 - 2:05 p.m.

Time Period 22

MINI-COURSES

CELEBRITY D - UPDATE 2010

Diagnosis and Management of Pericardial Disease

Joseph E. Parrillo, M.D.

AMBASSADOR 4

Advances in the Management of Convulsive and Non-convulsive Status Epilepticus

Amy S. Jagoda, M.D.

AMBASSADOR 5

Non-invasive Ventilation

Kevin K. Chung, M.D.

2:05 - 2:20 p.m. COFFEE BREAK - FOYER

THURSDAY, APRIL 15, 2010

2:20 - 3:50 p.m.

Time Period 23

PLENARY SESSION

Presiding: William T. Browne, M.D.

CELEBRITY BALLROOM

2:20 - 2:50

Old and New Sepsis Markers

Jean-Louis Vincent, M.D.

2:50 - 3:20

Acute Coronary Syndromes

Joseph E. Parrillo, M.D.

3:20 - 3:50

Traumatic Brain Injury: Guidelines for Improving Outcomes

Andy S. Jagoda, M.D.

3:50 p.m.

Adjourn

ETHICS AND PRACTICE - Sessions comply with the requirements of some medical licensing authorities for one or more hours of medical ethics each year.

Pain and End-of-life Care - Sessions comply and are marked with a †.

Geriatric Critical Care - Sessions comply and are marked with a ††.

*Course Organizing Committee and Faculty***Max Harry Weil, M.D., Ph.D. - Chair**

Distinguished University Professor, Weil Institute of Critical Care Medicine
 Rancho Mirage, California
 Adjunct Professor of Medicine, Feingold School of Medicine
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 University of Florida College of Medicine
 Clinical Professor of Clinical Sciences
 University of Central Florida College of Medicine and
 Florida State University College of Medicine
 Vice President, Medical Education, Orlando Health
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 University of Arizona College of Medicine
 Tucson, Arizona

Marin H. Kollef, M.D.

Professor of Medicine
 Division of Pulmonary and Critical Care Medicine
 Washington University School of Medicine
 St. Louis, Missouri

Faculty, continued

Philip D. Lumb, M.B.

Professor and Chairman
Department of Anesthesiology
Keck School of Medicine of the University of Southern California
Los Angeles, California

Neil R. MacIntyre, M.D.

Professor of Medicine
Duke University School of Medicine
Durham, North Carolina

Dennis G. Maki, M.D.

Ovid O. Meyer Professor of Medicine
Section of Infectious Diseases
Attending Physician, Center for Trauma and Life Support
University of Wisconsin School of Medicine and Public Health
Madison, Wisconsin

Nancy W. Miller, R.N., M.S.N., Ph.D., CCRN, CNA

Provider Administrator, Institute of Continuing Education for Nurses
Los Angeles County+USC Medical Center
Los Angeles, California

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University of Medicine and Dentistry of New Jersey
Chief of Medicine
Director of the Cooper Heart Institute
Camden, New Jersey

Emanuel P. Rivers, M.D., MPH

Vice Chairman and Director of Research
Department of Emergency Medicine
Henry Ford Hospital
Detroit, Michigan

Lori B. Sweeney, M.D.

Acting Chief of Endocrinology and Metabolism
Eisenhower Army Medical Center
Fort Gordon, Georgia

Faculty, continued

Jean-Louis Vincent, M.D., Ph.D.

Professor of Intensive Care
Free University of Brussels
Head, Department of Intensive Care
Erasmus University Hospital
Brussels, Belgium

Janice L. Zimmerman, M.D.

Head, Critical Care Division and
Director, Medical Intensive Care Unit
The Methodist Hospital
Houston, Texas

COURSE INFORMATION

DATES

5-Day Symposium (includes **Pre-course**) - Sunday through Thursday, April 11-15, 2010.

Pre-registration is required for Pre-Course.

4-Day Symposium - Monday through Thursday, April 12-15, 2010.

COURSE REGISTRATION AND INFORMATION

Mail or fax the application form found on page 23.

By telephone: Please call 323-442-2555, or 800-USC-1119.

By fax: 323-442-2152 or 888-665-8650 toll free

Register online at www.peopleware.net/0128 and select course #2580.

On-site Course Registration Sunday, April 11, and Monday, April 12, 2010 beginning at 7:00 a.m.

All registrations will be confirmed by email; please provide email address.

PLACE: WESTIN MISSION HILLS, RANCHO MIRAGE, CALIFORNIA

71-333 Dinah Shore Drive, Rancho Mirage, CA 92270

Telephone 877-253-0041 room reservations; 760-328-5955 general information

SLEEPING ROOM RESERVATIONS

To obtain the USC group rate, call and mention the USC Weil Symposium on Critical Care and Emergency Medicine, or mail the Hotel Registration Form (page 22) with one night's deposit (check or credit card, including tax). **Room rates:** \$185 per night, single or double occupancy, plus taxes. See hotel form for complete terms. **Room block expires March 19, 2010. Register early, block may be filled before the cut off date.**

TUITION REFUND POLICY

Refunds must be requested in writing prior to the course and are subject to a 10% processing fee. No refunds will be given after the course begins.

SYLLABUS / PROCEEDINGS: Course proceedings (Syllabus) will be provided to all registrants on CD at on-site check in. To receive a print version, you must order in advance for an additional fee of \$60.

SPECIAL NEEDS: Advance notice of special needs for physically challenged participants is requested by March 29, 2010.

PROFESSIONAL CREDIT

The Keck School of Medicine of the University of Southern California is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Keck School of Medicine of the University of Southern California designates this educational activity for *AMA PRA Category 1 Credits*[™]. Physicians should only claim credits commensurate with the extent of their participation in the activity.

Four-day symposium (Monday-Thursday)

up to 27 hours*

Sunday Pre-Course plus four-day symposium (Sunday-Thursday)

up to 35 hours*

*exclusive of optional meal programs

In addition, AMA PRA Category 1 credit is designated for international registrants, nurses, and allied health professionals.

HOTEL REGISTRATION FORM

MAIL: Westin Mission Hills

71-333 Dinah Shore Drive

Rancho Mirage, CA 92270

or CALL 1-877-253-0041

or FAX 760-321-2607

or Book online: <http://www.starwoodmeeting.com/Book/UWE22C>

For: USC Weil Symposium on Critical Care & Emergency Medicine
April 11-15, 2010

Rate: \$185.00, single or double, plus taxes, currently 10.065% hotel tax and 2% TOT/BID assessment. PLEASE DISREGARD THE \$25 RESORT CHARGE STATED ON YOUR CONFIRMATION. THIS CHARGE HAS BEEN WAIVED FOR THOSE BOOKING AT THE GROUP RATE.

Please PRINT clearly:

Name _____
Last First

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Provide your email for confirmation: _____

Please reserve the following: One king bed Two queen beds

No. of Guests _____ Deposit Amt. _____

Arrival Date _____ Departure Date _____

Arrival Time _____

Credit Card # _____ Exp date: _____

Signature _____

Room rate includes parking, local phone calls (60 minutes), toll-free calls (60 minutes), in-room internet access, tennis courts and fitness center access, in-room coffee, tea and hot chocolate. All rooms are non-smoking. The usual resort fee has been waived for this group, but all benefits of the resort fee are included.

*To secure this rate, make reservations **no later than March 19, 2010**. Room rate is in effect 3 days prior to and 3 days after the meeting, subject to room availability. A 3rd person in the room requires an additional per-night charge of \$35 + taxes. No additional charge for children under 18 in the same room as their parents. Check-in time is 3:00 pm. Check-out time is 12:00 noon. A fee of \$75 is assessed for early departure unless hotel is advised of revised departure date prior to or at check-in.*

Name _____
Please print: Last _____ First _____ Degree _____
 Medical/RN Lic # _____ Specialty _____
 Phone (_____) _____ FAX (_____) _____
 Address _____
 City _____ State _____ Zip _____
 E-mail _____

Program Options	Physician	Military ¹ Physician	RN, Res/Fell ¹ or Allied	Military ¹ RN or Allied
4-Day Program + Two Half-day Workshops Select TWO (2) (all workshops have limited space) <input type="checkbox"/> Hypothermia During & Following CPR <input type="checkbox"/> Ultrasound for Critical Care Physicians <input type="checkbox"/> Mechanical Ventilation and Airway Management <input type="checkbox"/> Simulation Workshop- Circulatory & Respiratory Crises	<input type="checkbox"/> \$1095	<input type="checkbox"/> \$910	<input type="checkbox"/> \$845	<input type="checkbox"/> \$755
4 Day Program ²	<input type="checkbox"/> \$795	<input type="checkbox"/> \$610	<input type="checkbox"/> \$555	<input type="checkbox"/> \$500
Printed Syllabus-optional ³	<input type="checkbox"/> \$60	<input type="checkbox"/> \$60	<input type="checkbox"/> \$60	<input type="checkbox"/> \$60

CHECK (payable to USC) VISA MASTERCARD

Card Number _____ Expir. date _____

Authorized signer _____ Amt. \$ _____

¹ Application must be accompanied by a letter from the Chief of Service stating that the participant is enrolled in a full time approved training program (Residents and Fellows) or is on active military duty.

² Does not include Pre-course (Sunday, April 11)

³ Syllabus (Proceedings) will be provided on CD on site for no additional cost. See page 21 for more information.

Please mail check made payable to University of Southern California with this application form to Office of CME, Keck School of Medicine, University of Southern California, 1975 Zonal Avenue, KAM 317, Los Angeles, CA 90033-1039.

Register by telephone: 323-442-2555 or 800-USC-1119, or **FAX** credit card registration to 323-442-2152, or 888-665-8650 (toll free). Register online at www.peopleware.net/0128 and select course #2580.

University policy does not allow acceptance of foreign checks. All refunds are subject to a 10% processing fee. No refunds made after the program begins. Visit our web site: www.usc.edu/cme.

All registrations will be confirmed by email; please provide email address.