

**The University of Southern California
Keck School of Medicine, Los Angeles, California
and the Institute of Critical Care Medicine,
Palm Springs, California**

Present the

**43rd Annual Symposium on
Critical Care, Trauma and Emergency Medicine**

**February 7-11, 2005
Caesars Palace, Las Vegas, Nevada**

The 43rd Annual Symposium continues a tradition of four days of intensive didactic teaching preceded by one-day optional pre-courses on practical skills for management of the acutely life-threatened patient. As the very first and still the largest University post graduate course on acute care by a faculty of internationally renowned experts, our focus is on practical bedside medical management. The large menu of presentations is applicable to the acute care practices of critical care specialists, emergency physicians, hospitalists, anesthesiologists, cardiologists, pulmonary physicians, infectious disease specialists, nephrologists, traumatologists and general surgeons. The majority of our registrants have returned on a yearly or on an alternate yearly basis to this famous course. We accommodate appropriately qualified physician assistants and advanced critical care nursing and pre-hospital practitioners. The course has been consistently acclaimed for offering a superior update for bedside clinicians and a redeeming learning experience.

This year's Symposium once again provides teaching formats that have been so well received over these many years under the direction of Max Harry Weil. Topics of wide interest are scheduled as **Plenary Sessions**. Four simultaneous **Mini-Courses** allow for a choice of 50-minute teaching sessions on major topics.

Highlights

- **Optional Pre-courses on Bedside Invasive and Non-invasive Procedures**
- **Update 2005: A Series of State-of-the-Art Presentations**
- **Case Studies on Critically Ill and Injured**
- **Meet the Professor:** For Small Group Interactive Discussions with Faculty
- **Ethics and Practice, Including Pain and End-of-Life Care:** Includes Compliance for Medical Licensing Requirements

Critical care products and services will be displayed in the Exhibit Hall on Tuesday, Wednesday, and Thursday, February 8-10.

Precourses: Monday, February 7, 2005

1. **ACLS for the Experienced Provider
(All day workshop. Registration limited to 50)**
A new case based course for small groups developed by the AHA for physicians. Includes ACLS rerecognition.
Mike Jacobs, EMT-P, Jay Falk, MD, Wanchun Tang, MD, Max Harry Weil, MD, and others

2. **Initial Evaluation and Stabilization After Massive Traumatic Injury
(½ day workshop offered twice) (Limited to 30 registrants per session)**
Workshop includes methods of airway intubation, chest tubes, control of bleeding, and fluid resuscitation
George Velmahos, MD, PhD and faculty

3. **Electrocardiographic Diagnoses of Cardiac Emergencies and Management Strategies Derived from the Electrocardiogram
(an interactive ½ day workshop offered twice)**
This intensive and interactive course features actual cases in which electrocardiographic interpretation guides management.
Nora Goldschlager, MD

4. **Bedside Ultrasound for Crisis Diagnosis and to Guide Invasive Procedures
(1/2 day workshop offered twice. Registration limited to 30 registrants per session)**
This introductory workshop on the use of bedside ultrasound for diagnosis and to guide procedures in critically ill and injured patients will include didactic lectures and a hands-on ultrasound laboratory experience in small groups. Venous cannulation hemoperitoneum, pericardial tamponade, aortic aneurysms, thoracentesis, paracentesis, pericardiocentesis, pacemaker placement, bladder aspiration, abscess/subcutaneous foreign body detection and arthrocentesis will be illustrated.
Diku Mandavia, MD and faculty

Tuesday through Friday, February 8-11, 2005

Symposium Topics

General

Case Studies on Complications of Sedation and Analgesia
Sedation and Analgesia for the Critically Ill
From the Operating Room to the ICU
Pulse Oximetry
New Developments in Oxygen Monitoring
Malignant Hyperthermia
Revisiting Fluid Resuscitation
Lactic Acidosis and Other Electrolyte Emergencies
Minimizing Life-threatening Errors at the Bedside of the Critically Ill
End Points of Resuscitation for Circulatory Shock: When Enough is Enough
Cryptic Shock: The Fallacy of Relying on Blood Pressure
Hemodynamics Made Easy
The PA Catheter Debate Revisited - - With Data!
New Methods of Electrical Defibrillation
Revising the ABCs of CPR
Methods and Choices of Fluids
Diagnosis and Monitoring of Circulatory Shock
Practical Use of Sublingual CO₂
Management of Hypothermia and Hyperthermic Syndromes

Acute Cardiovascular and Pulmonary

Prevention of Pulmonary and Peripheral Thrombosis
CT for Identifying Causes of Acute Chest Pain
Cardiac Syncope
Evidence-based Pharmacological Management of Acute Myocardial Infarction
Management of Acute Heart Failure
Management of Chronic Heart Failure
Acute Coronary Events in Patients Who Are Treated for Erectile Dysfunction
Stressed Myocardium and Its Management
Pharmacological Management of Acute Circulatory Failure
Monitoring of Ventilation
Ventilator-induced Lung Injuries
General Principles in the Management of Respiratory Distress syndrome
Hospital Acquired Pneumonia
Management of Exacerbations of COPD
Acute Asthma
How Much Oxygen?
Fluid Management for the Respiratory Distressed Patient
Revisiting the role of PEEP and Its Survival Benefit
LAZARUS: Resurrection of High Dose Corticosteroid for Management of Acute
Respiratory Failure

Acute Infectious Disease

Emerging Infectious Diseases

Current Guidelines for Diagnosis and Treatment of Severe Sepsis and Septic Shock

Evidence-based Treatment of Septic Shock

Case Studies on Necrotizing Infections

Sepsis and Septic Shock Are Microcirculatory Impairments

Case Studies on the Toxic Shock Syndrome

Meningoencephalitis

Antibiotic Resistance

The Immunocompromised Patient

Community-acquired Pneumonias

Hospital-acquired Pneumonias

Cases Studies on Life-threatening Infections

Acute Renal, Gastrointestinal, Neurological, Endocrine

Bedside Applications of Continuous Renal Replacement Therapy,

Bedside Applications of Continuous Renal Replacement Therapy, including hemofiltration. Part I and II

CT Urography makes the IV Pyelogram Obsolete

Acute Renal Failure in the Critically Ill

Acute Acid-base Disorders: Diagnosis and Management

An Introduction to PET-CT for Identifying Masses

What is New in Neurological Monitoring

Advances in Initial Care of the Neuro Impaired Patient

Differential Diagnosis and Management of Convulsive Seizures

Advances in Monitoring the Neurologically Critically Ill and Injured

Diagnosis and Management of Spinal Cord Injuries

Case Studies on Acute Complications of Diabetes Mellitus

New Understanding of Adrenal Dysfunction in Critically Ill Patients

New Insights into the Use of Adrenergic Agents for Management of Circulatory Shock States

Management of Acute Hyperglycemic States

Emergency Medicine, Trauma

Defining Goal-directed Therapy
New Methods of Electrical Defibrillation
Revising the ABCs of CPR
Hypothermia, Hyperthermic Syndromes, and Their Management
Drug Abuse: Recognition and Initial Management
Diagnosis and Management of Drug Overdose
Pre-hospital Airway Management
Arrhythmias presenting in the ICU and Emergency Department
Sudden Loss of Vision: Initial Diagnosis and Management
Clinical Evaluation of Ophthalmic Injuries
Triage and Initial Stabilization of Adult and Pediatric Mass Casualties
Improving the Continuity of Emergency Care from Pre-hospital to Definitive Interventions
Ultrasound for Crisis Diagnosis
Ultrasound to Guide Invasive Procedures
Fallacies of Blood Transfusions
Practical Use of Sublingual CO₂
Penetrating Trauma of the Anterior Aspect of the Eyes: Diagnosis and Management
Angiographic Embolization for Control of Bleeding
Identifying and Managing Extremity Compartment Syndrome

Ethics and Practice

Withholding and Withdrawing Life Support
Ethical Decision-making at the Bedside of the Seriously Ill
Case Studies on Ethical Decision-making
Practice and Medical Malpractice
Malpractice I and II: Lessons Learned from Actual Cases
Objective Evidence of the Life-saving Impact of Expert Critical Care Nurse Professionals
How Good Is Your ICU? Are You Objectively Evaluating Your Unit?
Iatrogenic Complications and Their Impact on Patient Survival
Ethical Approaches to the Care of the Terminally Ill
Evidence-based Medicine – Why Do We Practice the Way We Practice?

Nutrition

Percutaneous Endoscopic Gastrostomy, Part I: Concepts and Indications
Percutaneous Endoscopic Gastrostomy, Part II: Applications and Techniques
Why is enteral feeding important
Nutritional assessment and monitoring of enteral feeding
Indications and formulations for parenteral nutrition: Facts and Fancies
Indications and methods for percutaneous endoscopic gastrostomy
Enteral feeding protocols to minimize risks of aspiration pneumonia

Faculty (Partial Listing)

Course Directors

Weil, Max Harry M.D., Ph.D., Sc.D. (Hon), USC
Rackow, Eric C. M.D., New York University
Abbott, Allan V. MD, USC
Tang, Wanchun M.D., USC

Visiting Faculty

Balk, Robert M.D., Chicago, Illinois
Barker, Steven J. M.D., Tucson, Arizona
Browne, William M.D., Augusta, Georgia
Falk, Jay M.D., Orlando, Florida
Goldschlager, Nora M.D., San Francisco, California
Greenberg, Barry M.D., San Diego, California
Harvey, Maurene R.N., MPH, CCRN, Lake Tahoe, Nevada
Jacobs, Mike EMT-P, San Francisco, California
Ling, Geoffrey M.D., Ph.D., Bethesda, Maryland
Maki, Dennis M.D., Madison, Wisconsin
McClave, Stephen A., M.D., Louisville, Kentucky
Niederman, Michael M.D., Mineola, New York
Rackow, Eric C. M.D., New York, New York
Rivers, Emanuel M.D, Detroit, Michigan
Singer, Mervyn M.D., London, England
Velmahos, George M.D., Boston, Massachusetts
Vincent, Jean-Louis M.D., Brussels, Belgium
Wheeler, Arthur M.D, Nashville, Tennessee
Zimmerman, Janice M.D., Houston, Texas

Faculty of the Keck School of Medicine of USC, Los Angeles

Abbott, Allan V, M.D.
Belzberg, Howard M.D.
Boswell, William M.D.
Irvine, John, M.D.
Kloner, Robert M.D.
Lumb, Philip M.B.
Mandavia, Diku M.D.
Tang, Wanchun, M.D.
Weil, Max Harry M.D., Ph.D., Sc.D.(Hon)