Self-Directed Multiprofessional Critical Care Review: Adult
Agenda

Objectives:
• Discuss relevant clinical topics and updates to increase knowledge base in critical care
• Assess the scientific foundations and literature evidence for the diagnosis, monitoring and management of patients with critical illness
• Compare information among multiprofessional practitioners involved in the practice of critical care medicine

Day 1
Daily Topic: Respiratory Disease, Mechanical Ventilation, and Noninvasive Support

Welcome and Introduction
Stephen M. Pastores, MD, FCCM; Philip Efron, MD, FACS, FCCM

Mechanical Ventilation I: Back to the Basics
Neil R. MacIntyre, MD

Mechanical Ventilation II: Ventilator Options
Neil R. MacIntyre, MD

Mechanical Ventilation III: Management of Acute Respiratory Failure
Robert C. Hyzy, MD, MCCM

Case Discussions: What to Do When: Challenging Ventilator Management Cases
Robert C. Hyzy, MD, MCCM;

Community-Acquired Pneumonia: Cases You Should Know
Robert A. Balk, MD, MCCM

Non Invasive Oxygenation and Ventilation Strategy
Robert C. Hyzy, MD, MCCM

Liberation from Mechanical Ventilation Using the ABCDEF Bundle
E. Wes Ely, MD, FCCM

Ventilator Associated Pneumonia: Diagnosis, Management and Prevention
Robert A. Balk, MD, MCCM

Early Mobility in Critically Ill Patients
E. Wes Ely, MD, FCCM
**Venous Thromboembolism**  
Stephen M. Pastores, MD, FCCM

**Respiratory Questions and Answers**  
Robert A. Balk, MD, MCCM;  
E. Wes Ely, MD, FCCM;  
Stephen M. Pastores, MD, FCCM

**Day 2:**  
**Daily Topic: Hemodynamics and Cardiovascular Disease**

**Questions and Answers**  
Lee Goeddel, MD;  
Steven M. Hollenberg, MD, FACC, FAHA, FCCP

**Congestive Heart Failure: Diagnosis and Management**  
Steven M. Hollenberg, MD, FACC, FAHA, FCCP

**ST Elevation Myocardial Infarctions**  
Steven M. Hollenberg, MD, FACC, FAHA, FCCP

**Cardiovascular Surgery Complications and Mechanical Devices**  
Lee Goeddel, MD

**Non-ST Elevation Myocardial Infarctions**  
Steven M. Hollenberg, MD, FACC, FAHA, FCCP

**Analysis and Therapy of Supraventricular Arrhythmias**  
Sammy Zakaria, MD, MPH

**Inotropes and Vasoactive Agents in Cardiogenic Shock**  
Steven M. Hollenberg, MD, FACC, FAHA, FCCP

**Pulmonary Hypertension in Critical Illness: the "Right" Management**  
Lee Goeddel, MD

**Analysis and Therapy of Ventricular Arrhythmias**  
Sammy Zakaria, MD, MPH

**Cardiac Output Monitoring Devices**  
David A. Kaufman, MD

**Case Studies in Cardiac and Arrhythmias**  
Sammy Zakaria, MD, MPH
Case Studies in Hemodynamics
David A. Kaufman, MD

Day 3
Kidney, Babies, Blood and Endocrine Emergencies

Questions and Answers
John A. Kellum, MD, MCCM;
Kianoush Banaei-Kashani, MD, MS, MSc, FASN

Acute Kidney Injury: Diagnosis and Management
John A. Kellum, MD, MCCM

Endocrine Emergencies
Marie Baldisseri, MD, MPH, FCCM

Electrolyte Emergencies
Kianoush Banaei-Kashani, MD, MS, MSc, FASN

Renal Replacement Therapy Strategies in the ICU
John Kellum, MD, MCCM

Complex Acid-Base Disorders
Kianoush Banaei-Kashani, MD, MS, MSc, FASN

Cases You Must Know How to Manage
John Kellum, MD, MCCM

Complications of Hematopoietic Stem Cell Transplantation and Case Vignettes
Stephen M. Pastores, MD, FCCM

GI Bleeding
Eric Siegal, MD, FCCM

Obstetric Emergencies
Marie Baldisseri, MD, MPH, FCCM

Questions and Answers
Marie Baldisseri, MD, MPH, FCCM
Eric Siegal, MD, FCCM
Stephen M. Pastores, MD, FCCM
Jonathan E. Sevransky, MD, FCCM
Toxicology and Drug Overdoses
Heatherlee Bailey, MD, FCCM

Management of Hypertensive Crisis
Janice Zimmerman, MD, MCCM, MACP

Withdrawal Syndromes in the ICU: Diagnosis and Management
Gourang Patel, BCCCP, BCPS, PharmD

Bleeding and Coagulation Disorders: What Am I to Do with Those New Agents?
Janice Zimmerman, MD, MCCM, MACP

Day 4
Infectious Disease, Liver and GI

Questions and Answers
Philip Efron, MD, FACS, FCCM
Greg Martin, MD, MS, FCCM

Evidenced Based Management of Septic Shock
Greg Martin, MD, MS, FCCM

Severe Infections: Common Bacterial and Fungal Infections
George Karam, MD

How to Incorporate APPs into the ICU
Ruth M. Kleinpell, ACNP, CCRN, PhD, RN

Antibacterials, Antifungals, Antivirals: When, How Much, and How Long?
George Karam, MD

Monitoring and Stabilization of the Trauma Patient
Jose J. Diaz, Jr., CNS, MD, FCCM

Case Review: Sepsis
Jose J. Diaz, Jr., CNS, MD, FCCM;
George Karam, MD

Shock: Management of Specific Syndromes
Philip Efron, MD, FACS, FCCM

Hepatic Failure
Eric Siegal, MD, FCCM
Complications of Solid Organ Transplantation
Lewis Kaplan, MD, FACS, FCCM

Trouble in the Environment: Temperature, Drowning and Radiation
Heatherlee Bailey, MD, FCCM

Necrotizing Pancreatitis and Infected Necrosis
Lewis Kaplan, MD, FACS, FCCM

Nutrition Support in the ICU
Beth Taylor, RD, DCN, RD-AP, FCCM

Day 5
Brain Emergencies and other Intracranial Problems

Questions and Answers and Case Studies
Todd Dorman, MD, FCCM;
Andrew M. Naidech, MD, MS;
Jose J. Provencio, MD, FCCM

Management of Severe Stroke and Subarachnoid Hemorrhage
Andrew M. Naidech, MD, MS;

Sedation and Analgesia: Practical Drug Selection and Pharmacology
Todd Dorman, MD, FCCM

Airway Emergencies
Todd Dorman, MD, FCCM

Seizures and Status Epilepticus
Jose J. Provencio, MD, FCCM

Intracranial Hypertension
Andrew M. Naidech, MD, MS

Death by Neurologic Criteria
Jose J. Provencio, MD, FCCM

Ethical Challenges and How to Approach Them
Elaine Chen, MD