2020 Self-Directed Multiprofessional Critical Care Review Course: Pediatric
Agenda

Day 1

Respiratory Mechanics and Monitoring During Critical Illness
Robinder G. Khemani, MD

Mechanical Ventilation and Weaning
Ira M. Cheifetz, MD, FCCM

Pulmonary Waveform Analysis
Ira M. Cheifetz, MD, FCCM

Gas Exchange Physiology
Robinder G. Khemani, MD

Acute Lung Injury
Robinder G. Khemani, MD

Cardiopulmonary Interactions
Ira M. Cheifetz, MD, FCCM

Pathophysiology of Pediatric Sepsis
Scott L. Weiss, MD, FCCM

Test Taking Skills
Ira M. Cheifetz, MD, FCCM

Case Studies, Question & Answer
Joseph A. Carcillo, MD; Ira M. Cheifetz, MD, FCCM; Robinder G. Khemani, MD

Day 2

Shock: Physiology, Monitoring and Treatment
Paul A. Checchia, MD, FACC, FCCM

Clinical Guidelines for the Management of Pediatric Sepsis
Scott L. Weiss, MD, FCCM

Congenital Cardiac Malformations
Ravi R. Thiagarajan, MD, MPH

Vasoactive Agents and Support
Ryan W. Morgan, MD

Cardiac Surgery and Postoperative Management
Ravi R. Thiagarajan, MD, MPH
Cardiopulmonary Resuscitation
Ryan W. Morgan, MD

Primary and Acquired Immunodeficiencies
Asya Agulnik, MD, MPH

Oncologic and Hematologic Emergencies
Asya Agulnik, MD, MPH

Case Studies, Question and Answers
Paul A. Checchia, MD, FACC, FCCM; Mark W. Hall, MD, FCCM; Martha C. Kutko, MD, FCCM

Day 3

Pictures: What Is This?
Martha C. Kutko, MD, FCCM

Pediatric Endocrine Issues
Jerry J. Zimmerman, MD, PhD, FCCM

Analgesia, Sedation, Neuromuscular Blockade
Sapna R. Kudchadkar, MD, PhD

Fluid, Electrolyte, Acid-Base Disorders
Geoffrey M. Fleming, MD

Caring for the Immunosuppressed Child: Solid Organ and Stem Cell
Jennifer A. Muszynski, MD, FCCM

Acute Renal Failure and Renal Replacement Therapy
Geoffrey M. Fleming, MD

Infectious Diseases and Antimicrobials
Jennifer A. Muszynski, MD, FCCM

Pharmacology: Five Things You Need to Know
Gideon Stitt, PharmD, BCPS, BCCCP

Case Studies, Questions and Answers
Ira M. Cheifetz, MD, FCCM; Jerry J. Zimmerman, MD, PhD, FCCM

Day 4

Evaluation and Management of the Poisoned Child
Janice L. Zimmerman, MD, MACP, MCCM

Poisons and Toxidromes
Janice L. Zimmerman, MD, MACP, MCCM
Neurointensive Care and Monitoring
Edward E. Conway, Jr., MD, MS, FAAP, FCCM

Neuromuscular Diseases
Edward E. Conway, Jr., MD, MS, FAAP, FCCM

Pediatric Trauma
Robert A. Finkelstein, MD

Biostatistics and Interpretation
R. Scott Watson, MD, MPH

Biostatistics Questions and Answers
R. Scott Watson, MD, MPH

Everything You Need to Know About Blood
Allan Doctor, MD

Ethics
Henry M. Ushay, MD, PhD, FCCM

Case Studies, Question and Answers
Allan Doctor, MD; Martha C. Kutko, MD, FCCM; R. Scott Watson, MD, MPH

Day 5

Hepatic Failure and Organ Transplantation
Rajesh K. Aneja, MD, FCCM

Nutritional Support
Nilesh M. Mehta, MD

Algorithms for Metabolic, Rheumatologic, Etc.
Rajesh K. Aneja, MD, FCCM

Gastrointestinal Abnormalities
Nilesh M. Mehta, MD

Case Studies, Questions and Answers
Rajesh K. Aneja, MD, FCCM; Ira M. Cheifetz, MD, FCCM; Nilesh M. Mehta, MD