

# SOCCA Critical Care Medicine 2022 Board Review Course

## Session 1: Neurological, Cardiac, Pulmonary

Wednesday Sept 7, 2022, 5PM – 7 PM EST

Course Director: Javier Lorenzo, MD, Associate Division Chief of Anesthesia Critical Care in the Department of Anesthesia, Perioperative and Pain Medicine, Stanford Medicine, Stanford, CA

1. Predictors of neurological outcomes after cardiac arrest. (role of SSEP, NSE, exam, imaging)
2. Management of neurological dysfunction after thoracoabdominal aneurysm repair.
3. Diagnosis and treatment of right ventricular failure after cardiac transplantation.
4. Complications of VAD and ECMO cannulas.
5. Respiratory Failure Management: Proning and Paralysis.
6. Management of obstetric cardiac arrest.

## Session 2: Digestive/Nutrition, Renal, Hepatology

Wednesday Sept 14, 2022, 5PM – 7 PM EST

Course Director: Brian T Wessman, MD, FACEP, FCCM, Division Chief Critical Care Medicine; Associate Professor, Anesthesiology & Emergency Medicine, Washington University in St. Louis, St. Louis, MO

1. Renal Tubular Acidosis: Types and Causes.
2. Anion and osmolal gap in volatile screens.
3. Electrolyte disorders after hepatic resection.
4. Calculating nutritional caloric goals in the critically ill.
5. MELD Scoring and MELD-exception criteria
6. Upper Gastrointestinal Bleeding in end stage liver disease.
7. Regional anticoagulation in CRRT: complications
8. Extra pulmonary complications of Cystic Fibrosis

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## Session 3: Hematology and Infectious Disease

Wednesday Sept 21, 2022, 5PM – 7 PM EST

Course Director: Talia K. Ben-Jacob, MD, MS, Division Head, Critical Care Anesthesiology, Cooper University Health Care, Camden, NJ

1. Invasive fungal infections in the critically ill.
2. HAP vs. CAP vs. VAP.
3. Blood product transfusions: Strategies to minimize risk and side effects.
4. HIT: Diagnosis and Complications.
5. Therapeutics for COVID infection.
6. Cushing's vs. Addison's Disease
7. Respiratory failure in the BMT patient: Engraftment vs. Infection
8. Reversal strategies for DOACs

## Session 4: Endocrine, Rheumatology, Dermatology, ICU administration.

Wednesday Sept 28, 2022, 5PM – 7 PM EST

Course Director: Anoop K Chhina, MD, Associate Program Director, Henry Ford Health System, Detroit, MI

1. Steven-Johnsons Syndrome.
2. Endocrine: Salt Wasting vs. SIADH vs. DI.
3. Complications after pheochromocytoma resection.
4. Cholesterol Emboli: Diagnosis and Treatment.
5. Lupus nephritis: Diagnosis and treatment
6. Hypermetabolic Syndromes and Lookalikes: Thyrotoxicosis, NMS, Serotonin Syndrome, Malignant Hyperthermia
7. Understanding the data of Quality Improvement: Process, Outcome and Run charts.
8. Poisoning 101: Methemoglobin, Carbon monoxide poisoning, Cyanide.