

Critical Care Academic Half Day Seminar Series

Topic: Summer Series

Objectives

To deliver to the junior CCM Residents the knowledge and skills with respect to basic ICU management, to allow them to;

- Comfortably & confidently do in-house call during Junior months.
- Lead ICU patient-care rounds and take home-call after their Junior months.

To refresh and consolidate the knowledge base of senior Critical Care Medicine fellows as they begin their preparation for the CCM exam

TOPIC	
<i>Orientation for 1st Year Critical Care Residents</i>	<ul style="list-style-type: none"> ▪ Baseline Examination
<i>Infection</i>	<ul style="list-style-type: none"> ▪ Pathophysiology of Sepsis & current accepted treatments ▪ Important sepsis management articles
<i>Fluids</i>	<ul style="list-style-type: none"> ▪ Physiology of fluids and their administration ▪ Controversy of Crystalloids v Colloids
<i>Non Trauma Surgical ICU Patient</i>	<ul style="list-style-type: none"> ▪ ICU management principles including tubes/drains/fistulas
Airway Management	
1st Years	<ul style="list-style-type: none"> ▪ Principles of Intubation ▪ Understanding the Pharmacology of Intubation to make rational therapeutic decisions
Difficult Airway	
2nd Years	<ul style="list-style-type: none"> ▪ awake fiberoptic session ▪ other advanced techniques e.g bougie/glidescope
Placing Patients on Mechanical Ventilation	<ul style="list-style-type: none"> ▪ common modes of mechanical ventilation
Trauma Afternoon	
1st Years	
Nutrition:	<ul style="list-style-type: none"> ▪ Approach to choosing the proper enteral feed ▪ Writing a basic TPN plan and monitoring progress
Blood & Hemostasis in the ICU	<ul style="list-style-type: none"> ▪ Restricted Transfusion strategies ▪ Effective use of blood products to stop bleeding
Hemodynamic Monitoring:	<ul style="list-style-type: none"> ▪ Principles of monitoring and tools ▪ Tools: Swan-Ganz, PICO, Cardio Q
Simulator Session	
Approach to Hypoxemic and Hypercarbic Respiratory Failure	
Trauma basics	<ul style="list-style-type: none"> ▪ Principles of ICU management: the 1st 24 hours ▪ Chest tube management and troubleshooting
Examination	