

Critical Care Academic Half Day Seminar Series

Topic: Managing Cardiac Dysfunction in the ICU

Royal College Objectives:

The adult critical care medicine resident must be able to:

- recognize the problem, provide emergency life support and embark upon a diagnostic and management program.

Demonstrate knowledge of:

- The methods and application of “Advanced Cardiac Life Support” techniques;
- The principles of invasive and non-invasive hemodynamic monitoring;
- The pathophysiology and treatment of cardiac failure including the pharmacology of drugs used to treat these entities;
- Basic and complex cardiac arrhythmias including the pharmacologic and electrical management
- Heart-lung interactions;
- Surgical interventions in patients with cardiac disease including perioperative management of the cardiovascular surgery patient,
- Acute valve disease
- Acute coronary syndromes;
- Acute disease of the walls of large arteries (including dissection) and venous occlusive disorders.

TOPIC
Hemodynamic Monitoring
Analgesia & Sedation in the ICU
Management of arrhythmias in the ICU <ul style="list-style-type: none">▪ Implantable device related issues
Perioperative management of the vascular surgery patient
Aortic dissection
Pathophysiology and Management of Acute Valvular Disease
Heart Failure/Shock/RV Failure
Acute Coronary Syndromes & Markers
Hypertensive Emergencies