

Intraoperative Management of Patients Undergoing Elective Open Repair of Abdominal Aortic Aneurysm

Moderators:

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Venue:

The Hong Kong Academy of Medicine (HKAM)
HKAM Jockey Club Building,
99 Wong Chuk Hang Road, Aberdeen, Hong Kong

Overall Aim

To establish a structured, physiology-based approach to the intraoperative management of elective open abdominal aortic aneurysm (AAA) repair, utilizing advanced hemodynamic monitoring to guide fluid optimization, vasoactive therapy, and goal-directed blood-product administration.

Target Audience

Anesthesiologists, intensivists, anaesthesia trainees, and perioperative nurses.

Group Size

Capped at 25 participants (first-come, first-served) to facilitate interactive, small-group case discussions.

Learning Objectives

By the end of this session, participants will be able to:

1. **Assess Perioperative Risk:** Identify multisystem physiological challenges in open AAA repair.
2. **Formulate a Monitoring Plan:** Select and implement appropriate invasive and advanced hemodynamic monitoring modalities tailored to major vascular surgery.
3. **Apply Goal-Directed Hemodynamic Therapy:** Use advanced haemodynamic parameters and perfusion markers to guide fluids, pressors, and inotropes therapy.
4. **Navigate Critical Surgical Milestones:** Anticipate, prevent, and treat the acute hemodynamic and metabolic derangements associated with aortic cross-clamping, unclamping, and visceral reperfusion.
5. **Execute POC-guided Resuscitation.**
6. **Formulate Postoperative Strategy:** Determine ICU disposition, monitoring criteria, and ventilator weaning strategies.