

Intraoperative Management of Patients Undergoing **Elective VAT Esophagectomy**

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, evidence-based approach to the anaesthetic and perioperative management of patients undergoing video-assisted thoracoscopic esophagectomy (VATE).

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 the session, participants should be able to:

- **Assess Physiological Challenges:** Evaluate the respiratory and cardiovascular changes associated with thoracoscopic and laparoscopic phases of MIE, including one-lung ventilation and pneumoperitoneum.
- **Formulate a Perioperative Plan:** Design a tailored anaesthetic strategy addressing advanced airway management, protective lung ventilation, multimodal analgesia, and temperature regulation.
- **Execute Goal-Directed Hemodynamic Therapy (GDHT):** Apply advanced haemodynamic monitoring and tissue perfusion markers to optimize fluid administration, vasopressors, and inotropes uses.
- **Manage Intraoperative Complications:** Rapidly identify and treat acute events, such as airway displacement, severe hypotension, hypoxemia, or surgical vascular injuries.
- **Coordinate Critical Care & Recovery:** Develop a safe plan for emergence, postoperative ventilation strategy, regional analgesia, and ICU or high-dependency unit disposition.