

Advanced Cut 大外科手術前線 Episode 6

Title: 心胸開關Part I-Techniques & Complication Management in Valve surgery

Date: 20 May, 2025 | 19:00-20:30 (Taipei time)

Format: Docquity Online

Register link: <https://forms.gle/dzqBuVydHy8CNtQc6>

Webinar link: <https://docquity.app.link/CDDH6Z2lHSb>

Fee: Free

Organizers: Docquity

Target Audience: Cardiothoracic Surgeons, Cardiac Anesthesiologists, Perfusionists, Plastic and Reconstructive Surgeons, Residents and Fellows in Cardiothoracic Surgery

CME Accreditation: TBD

Course Content:

This webinar, 心胸開關 Part I - Techniques & Complication Management in Valve Surgery, explores advanced techniques in valve surgery and strategies to minimize complications. Topics include minimally invasive approaches, bleeding control during cardiopulmonary bypass, and optimizing anticoagulation. Additionally, it covers sternal stability post-surgery, addressing risk factors, wound management, and reconstruction techniques to prevent dehiscence and infection. A multidisciplinary approach to improving patient outcomes will be emphasized.

Objective:

1. Assess advanced valve surgery techniques and bleeding control strategies.
2. Implement hemostatic management and blood conservation methods.
3. Identify risk factors for bleeding, thromboembolic events, and sternal instability.
4. Apply best practices in sternal closure and wound care.
5. Utilize reconstructive techniques for severe sternal complications.
6. Collaborate with multidisciplinary teams to enhance patient safety and recovery.

Agenda

Time	Content	Speaker
19:00-19:05	Opening Introduction	Dr. Peter Fu 傅志遠, 林口長庚紀念醫院外傷急症 外科教授 Sebastian Wang Docquity region manager
19:05-19:40	Topic 1: Advanced Surgical Techniques in Valve Surgery: Minimizing Bleeding and Optimizing Outcomes	Dr. Yeh, Chi-Hsiao 葉集孝 林口長庚紀念醫院心臟外科 桃園長庚醫院副院長
19:40-20:15	Topic 2: Sternal Stability After Open-Heart Surgery: Preventing Breastbone Migration and Healing Complications	Dr. Heng-Tsan, Ho 何恆讚 林口長庚紀念醫院心臟外科
20:15-20:25	Q&A Discussion	All speakers
20:25-20:30	Closing remarks	Dr. Peter Fu 傅志遠, 林口長庚紀念醫院外傷急症 外科教授 Sebastian Wang, Docquity region manager

Topic 1: Advanced Surgical Techniques in Valve Surgery: Minimizing Bleeding and Optimizing Outcomes

Speaker: Dr. Yeh, Chi-Hsiao 葉集孝 | 林口長庚紀念醫院心臟外科、桃園長庚醫院副院長

Duration: 35 minutes

Overview:

Advanced valve surgery techniques focus on minimizing bleeding and improving outcomes through refined surgical approaches, including minimally invasive methods and beating-heart procedures. Bleeding control strategies involve hemostatic management during cardiopulmonary bypass, blood conservation, and the use of hemostatic agents. Postoperative risks, such as excessive bleeding and re-exploration, can be reduced through predictive assessment and point-of-care coagulation testing. Additionally, optimizing anticoagulation, particularly in mechanical valve patients, helps prevent thromboembolic and hemorrhagic events, enhancing overall surgical safety and efficacy.

Topic 2: Sternal Stability After Open-Heart Surgery: Preventing Breastbone Migration and Healing Complications

Speaker: Dr. Heng-Tsan, Ho 何恆讚 | 林口長庚紀念醫院心臟外科

Duration: 35 minutes

Overview:

Ensuring sternal stability after open-heart surgery is vital to prevent migration and healing complications, especially in high-risk patients. Key strategies include reinforced sternal closure, early detection of dehiscence, and best practices in wound care and infection prevention. Risk factors such as excessive bleeding, prolonged bypass time, and re-exploration increase complications. Advanced management options, including negative pressure wound therapy (NPWT) and reconstructive techniques like pectoralis major flaps, aid in severe cases. A multidisciplinary approach involving cardiothoracic and plastic surgeons enhances patient outcomes.