

**3<sup>rd</sup> OCTOBER 2024 (THURSDAY)**

## 1. PERIOPERATIVE CARDIAC ULTRASOUND WORKSHOP

<b>DATE</b>	: 3rd October 2024
<b>VENUE</b>	: The Marriott Hotel Penang
<b>TIME</b>	: 8.00am - 5.30pm
<b>NUMBER OF PARTICIPANTS</b>	: 30 pax

### OVERVIEW

This one day course will provide a comprehensive review of Perioperative Cardiac Ultrasound (Transthoracic and Transesophageal Echocardiography). The course is designed for doctors with interest in Perioperative Cardiac Ultrasound and wish to gain additional practical experience in these specific areas

### COURSE LEARNING OBJECTIVES

1. Understand the principles of ultrasound.
2. Describe the standard views of TTE and TEE.
3. Describe the utility of 2D echocardiography and Doppler method in assessment of cardiac function and haemodynamic.
4. Describe how to document the ultrasound findings.
5. Describe the Lung ultrasound.
6. Identify the limitations of ultrasound.

### COURSE LEARNING STRATEGIES

1. Expert led presentations and demonstrations.
2. Hands-on practical scanning on real patient models and simulators

### FACULTY

Prof Tae-Yop Kim  
Dr Hasmizy Muhammad  
Dr Haslan Ghazali  
Dr Mohamad Hanafi Mohd  
Dr Mazlilah Abdul Malek  
Dr Lee Kok Tong  
Dr Isqandar Adnan

### COURSE STRUCTURE

Time	Agenda
0800 - 0830	<b>Registration</b>
0830 - 0900	<b>Principles of Ultrasound</b> Hasmizy Muhammad
0900 - 0930	<b>Image Optimisation</b> Hasmizy Muhammad
0930 - 1000	<b>Standard Views of Transthoracic Echocardiography</b> Haslan Ghazali
1030 - 1100	<b>Morning break</b>
1100 - 1300	<b>Practical Session</b>
1300 - 1400	<b>Lunch break</b>
1400 - 1430	<b>Valvular Assessment</b> Lee Kok Tong
1430 - 1500	<b>Lung Ultrasound</b> Isqandar Adnan
1500 - 1530	<b>Standard Views of Transesophageal Echocardiography</b> Tae-Yop Kim
1530 - 1730	<b>Practical Session</b>

## 2. BRONCHOSCOPY WORKSHOP

**DATE** : 3rd October 2024  
**TIME** : 9am – 5pm  
**VENUE** : Marriot Hotel, Penang  
**MAXIMUM CAPACITY** : 30 participants

### OVERVIEW

Flexible bronchoscopy is a clinical procedure that requires good technical skills to perform. These skills can be acquired through hands-on training on phantoms, simulators, or patients (supervised). However, theoretical knowledge on anatomy and technique of flexible bronchoscopy is a prerequisite for mastering the procedure.

This workshop will use a combination of informative lectures, hands-on teaching using simulators and supervised practice. Participants will gain knowledge on airway anatomy, learn step by step approach to bronchoscopy and understand how to prepare and perform intubation and bronchial wash/BAL. At the end of the course the participants should be able to master the skills of maneuvering the bronchoscope in a gentle and effective way while identifying all bronchial segments.

The target audience is doctors in the fields of anaesthesiology and intensive or critical care who are interested in learning or extending their bronchoscopic skills. A structured feedback to participants on their competency level based on a validated assessment tool and certification of competency will be awarded. All participants will receive the booklet: "Practical guide to Bronchoscopy in the ICU" for continued practice and training of junior colleagues in their home institution.

### FACULTY

Prof Izumi Kawagoe  
Dato Dr Yong Chow Yen  
Dr Ng Siew Peng  
Dr Jusmidar binti Abdul Jamil  
Dr Eric Tang Boon Kiat  
Dr Zulhilmi bin Sharizal

### PROGRAM

0900 – 0910	Welcome and introduction
0910 – 0940	Why learn bronchoscopy?
0940 – 1025	Bronchial anatomy and scope handling
1025 – 1045	Coffee break
1045 – 1145	Hands-on-session 1
1145 – 1215	Single-use vs. traditional bronchoscopes
1215 – 1245	Pharmacological preparation for awake fiberoptic bronchoscopy
1245 – 1400	Lunch
1400 – 1500	Hands-on session 2
1500 – 1515	Coffee break
1515 – 1600	Performing test procedures
1600 – 1630	Feedback on tests + advanced training
1630 – 1700	Questions, feedback and evaluation

Acknowledgement of Equipment Support:



### 3. SIMULATION IN PERFUSION TECHNOLOGY

<b>DATE</b>	: 3rd October 2024
<b>VENUE</b>	: The Marriott Hotel, Penang
<b>TIME</b>	: 8.00 am - 4.30 pm
<b>PARTICIPANTS</b>	: 30 pax

#### OBJECTIVES

This one day course will provide participants with the how to anticipate and knowledge of what to do when things go wrong during cardiopulmonary bypass. Using simulators to simulate common and uncommon perfusion incidents, this course will help junior and less senior perfusionists to learn as many situation as possible to help them to prepare and gain confidence to face the real situation whenever it occur.

#### COURSE OBJECTIVES

1. to expose participants with perfusion crisis
2. what constitute perfusion crisis
3. how to manage perfusion crisis
4. to prepare participants when perfusion crisis occurs real life
5. platform for other perfusionists to share their ideas, experiences and practices

#### COURSE LEARNING STRATEGIES

1. Expert led presentations and demonstration
2. Hands-on practical sessions with simulators, mannequin and monitors

#### FASILITATORS

1. Mr Lester Wong – Medtronic, Singapore
2. Tn Hj Abdul Halim Abdul Hamid
3. Tn Hj. Azli b. Hj Ahmad
4. Mohd Irwan b. Ibrahim
5. Hairulnizam b. Che Me
6. Hermi b. Safiyan
7. Muhammad Helmi b. Lokman
8. Shafik Sofiyan

#### WORKSHOP TENTATIVES

<b>Time</b>	<b>Agenda</b>
8.00-8.30	Registration
8.30-9.30	Responsibilities as a Perfusionist when handling HLM & Workshop Briefings - Tn Hj. Abdul Halim b. Abd Hamid
9.30-10.30	Common Perfusion Troubleshooting During Open Heart Surgery and How To Manage - Ms.Lester Wong
10.00-10.30	Tea Break
10.30-12.30	Crisis Scenario (part 1)
12.30-14.00	Lunch Break
14.00-16.00	Crisis Scenario (part 2)
16.00-16.30	Case Discussions
16.30	Tea Break and adjourn

## 4<sup>th</sup> OCTOBER 2024 (FRIDAY)

0800 - 0830	<b>REGISTRATION</b>
0830 - 0900	<b>PLENARY 1</b> Chairperson: Hasmizy Muhammad Band-Specific Management In Processed-EEG Monitoring - Tae-Yop Kim
0900 - 1015	<b>OPENING CEREMONY</b>
1015 - 1045	<b>TEA &amp; TRADE EXHIBITION</b>

1045 - 1200	1045 - 1200	1045 - 1200
<b>SYMPOSIUM 1</b>	<b>SYMPOSIUM 2</b>	<b>SYMPOSIUM 3</b>
<b>PATIENT BLOOD MANAGEMENT</b> Mohamed Hanafi Mohd Khaw Soon Keong	<b>PERFUSION</b> Jusmidar Abdul Jamil Abdul Halim Abdul Hamid	<b>CARDIAC NURSING</b> Noordini Mohamed Dani Naeemah Abdul Aziz
<b>Patient Blood Management during CPB</b> Tae-Yop Kim <b>Implementing Anaemia Management Programs</b> Isqandar Adnan <b>Massive transfusion in Cardiac Surgery: Where is the Rationale?</b> Maseeda Mohd Yusof	<b>Custodial Cardioplegia: Unique Mechanism Brings Unique Clinical Benefit</b> Adli Azam Mohammad Razi <b>Perfusion Strategies For Congenital Cardiac Surgery</b> Muhammad Fikri Abdul Halim <b>The Use of ECMO for Airway Procedural Support</b> Paul Forrest	<b>Septic Patient in Cardiac ICU</b> Suneta Sulaiman <b>Inotropes, Vasopressors and Hemodynamics</b> Khaw Soon Keong <b>How to Be an Effective Cardiac Intensive Care Nurse</b> Nor Asiah Abdul Mutalib
<i>Questions and Answers Session</i>		

1200 - 1230	<b>LUNCH SYMPOSIUM (LIVANOVA)</b> Chairperson: Jahizah Hassan Essenz - Sam Immanuel Selvaraj
1230 - 1300	<b>BUFFET LUNCH</b>
1300 - 1445	<b>FRIDAY PRAYERS / TRADE EXHIBITION</b>
1445 - 1515	<b>PLENARY 2</b> Chairperson: Zuhrah Zakaria Updates On Perioperative Analgesia For Thoracic Surgery - Izumi Kawagoe

1515 - 1630	1515 - 1630	1515 - 1630
<b>SYMPOSIUM 4</b>	<b>SYMPOSIUM 5</b>	<b>SYMPOSIUM 6</b>
<b>ADULT CARDIAC ANAESTHESIA</b> Yunseok Jeon / Loo Kar Yee	<b>UPDATES IN CARDIAC SURGERY AND CARDIOLOGY</b> Hanafi Sidik / Zulhilmi Sharizal	<b>CONGENITAL HEART DISEASE</b> Anas Al Atas / Mazlilah Malek
<b>Volatile Versus Total Intravenous Anaesthesia for CABG</b> Nadia Hanom Ishak <b>Pulmonary Artery Hypertension and Anaesthesia</b> Hasmizy Muhammad <b>Postoperative Delirium After Cardiac Surgery</b> Ti Lian Kah	<b>PCI vs. CABG in Multivessel Disease: Cardiologist Perspective</b> Barakath Badusha Abdul Kareem <b>PCI vs. CABG in Multivessel Disease: Surgeon Perspective</b> Ahmad Khadri Awang <b>Mechanical support for the RV Failure</b> Suneta Sulaiman	<b>An Overview of Grown-Up Congenital Heart Disease</b> Martin Wong <b>Minimally Invasive Cardiac Surgery in Congenital Heart Diseases</b> Ahmad Sallehuddin <b>Eisenmenger Syndrome and Its Outcome</b> Shereen Toh May Yi
<i>Questions and Answers Session</i>		

1630 - 1700	<b>TEA &amp; TRADE EXHIBITION</b>
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## 5th OCTOBER 2024 (SATURDAY)

0800 - 0830	<b>REGISTRATION</b>
0830 - 0900	<b>PLENARY 3</b> Chairperson: Yong Chow Yen <b>Goal-directed Cardiopulmonary Bypass: Which, Why and How?</b> - Paul Forrest
0900 - 0930	<b>PLENARY 4</b> Chairperson: Norly Ismail <b>Macro and Microcirculation During Cardiac Surgery</b> - Yunseok Jeon

0930 - 1045	0930 - 1045	0930 - 1045
<b>SYMPOSIUM 7</b>	<b>SYMPOSIUM 8</b>	<b>SYMPOSIUM 9</b>
<b>PAEDIATRIC CARDIAC ANAESTHESIA</b> Ariffin Marzuki Mokhtar / Izumi Kawagoe	<b>CARDIAC INTENSIVE CARE</b> Chua Chen Chen / Juita Hassan	<b>MONITORING</b> Isqandar Adnan / Nor Hayati Mohd Said
<b>Modified Ultrafiltration For Congenital Heart Surgery</b> Anas Al Atas <b>Management For Fontan Circulation</b> James Montgomerie <b>Total Anomalous Pulmonary Venous Return -Anesthesia Considerations</b> Lee Kok Tong	<b>Pathophysiology of Coronary Heart Ischemia</b> TBA <b>Cardiac Intensive Care Unit: Where We Are In 2025</b> Hasmizy Muhammad <b>The Past, Present and Future of Cardiac Arrhythmia Ablation</b> Saravanan Krishinan	<b>The Pulmonary Artery Catheter and other CO monitors</b> Mazlilah Abdul Malek <b>Cerebral Oximetry and Neuromonitoring</b> Hanafi Sidik <b>Why We Need Extra Artery Pressure Monitoring During Cardiac Surgery?</b> Azmiza Maharani
Questions and Answers Session		

1045 - 1115	<b>TEA &amp; TRADE EXHIBITION</b>	
0930 - 1045	0930 - 1045	0930 - 1045
<b>SYMPOSIUM 10</b>	<b>SYMPOSIUM 11</b>	<b>SELECTED BEST POSTER &amp; CASE REPORT/SERIES PRESENTATIONS 1</b>
<b>THORACIC ANAESTHESIA</b> Nazri Mohamed Mohd Khairul Anwar A. Rahim	<b>PERIOPERATIVE MEDICINE</b> Lee Kok Tong / Amar Ghassani	
<b>Medical Optimization for Thoracic Surgical Patients</b> Chua Chen Chen <b>Anesthetic Management For Tracheal Resection In A Patient With Critical Tracheal Stenosis</b> Izumi Kawagoe <b>Lung Isolation in the Difficult Airway</b> Anas Al Atas	<b>Perioperative Nutritional Status in Cardiothoracic Surgical Patient</b> Lim Shin Nee <b>Preoperative Evaluation for Cardiac Surgery- What Tests Do We Really Need?</b> Nor Hayati Mohd Said <b>Perioperative Management of Arrhythmias</b> Ariffin Marzuki Mokhtar	
Questions and Answers Session		

1230 - 1300	<b>LUNCH SYMPOSIUM (ETERNITY HEALTHCARE)</b> Chairperson: Mohamed Hanafi Mohd TBC
1300 - 1400	<b>BUFFET LUNCH</b>
1400 - 1430	<b>PLENARY 5</b> Chairperson: Haslan Ghazali <b>Recent Advances in Cardiac Surgery Associated Acute Kidney Injury</b> - Ti Lian Kah
1430 - 1500	<b>PLENARY 6</b> Chairperson: Azmiza Maharani <b>Frailty In Paediatric Cardiac Patients, Fast Track : Future Or Folly</b> - James Montgomerie

1500 - 1615	1500 - 1615	1500 - 1615
<b>SYMPOSIUM 12</b>	<b>SYMPOSIUM 13</b>	<b>SELECTED BEST POSTER &amp; CASE REPORT/SERIES PRESENTATIONS 2</b>
<b>ECHOCARDIOGRAPHY</b> Hasmizy Muhammad Nadia Hanom Ishak	<b>LEADERSHIP, SAFETY &amp; QUALITY</b> Ti Lian Kiah / Zuhrah Zakaria	
<b>Neonatal Critical Congenital Heart Lesions: Echocardiography Made Easy</b> Martin Wong <b>TEE During Mitral Valve Surgery</b> Yunseok Jeon <b>Ultrasound for Evaluation of Hypoxia/ Dyspnea</b> Juita Hassan	<b>Leadership in Cardiac Anaesthesia</b> Jahizah Hassan <b>Communication in the Cardiac OR</b> Yong Chow Yen <b>Human Error in the Operating Theater</b> Ariffin Marzuki Mokhtar	
<i>Questions and Answers Session</i>		
1615 - 1645	<b>CLOSING CEREMONY</b>	
1645 - 1700	<b>TEA BREAK</b>	

