PROGRAMME



3rd OCTOBER 2024 (THURSDAY)

1. PERIOPERATIVE CARDIAC ULTRASOUND WORKSHOP

DATE VENUE TIME NUMBER OF PARTICPANTS

- : 3rd October 2024 : The Marriott Hotel Penang
- : 8.00am 5.30pm : 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 Isgandar Adnan

COURSE STRUCTURE

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

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

FROGRAM	
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 fibreoptic 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

DATE	: 3rd October 2024	
VENUE	: The Marriott Hotel, Penang	
TIME	: 8.00 am - 4.30 pm	
PARTICIPANTS	: 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

Time	Agenda	
8.00-8.30	Registration	
8.30-9.30	Responsabilities as a Perfusionist when handling HLM & Workshop Briefings - Tn Hj. Abdul Halim b. Abd Hamid	
9.30-10.30	Common Perfusion Troubleshoting 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	



4th OCTOBER 2024 (FRIDAY)

CPB Tae-Yop Kim Implementing Anaemia Management Programs Isqandar Adnan Massive transfusion in Cardiac Surgery: Where is the Rationale?Mechanism Brings Unique Clinical Benefit Adli Azam Mohammad Razi Perfusion Strategies For Congenital Cardiac Surgery Muhammad Fikri Abdul Halim The Use of ECMO for Airway Procedural Support Paul ForrestSume Khaw How Inter Nor A Procedural Support Paul Forrest1200 - 1230LUNCH SYMPOSIUM (LIVANOVA) Chairperson: Jahizah Hass Essenz - Sam Immanuel SelvarajItal1200 - 1230BUFFET LUNCHItal1200 - 1445FRIDAY PRAYERS / TRADE EXHIBITION1445 - 1515PLENARY 2 Chairperson: Zuhrah Zakaria Updates On Perioperative Analgesia For Thoracic Surgery1515 - 16301515 - 1630SYMPOSIUM 4SYMPOSIUM 5ADULT CARDIAC ANAESTHESIA Yunseok JeoN / Loo Kar YeeUPDATES IN CARDIAC SURGERY AND CARDIOLOGY Hanafi Sidik / Zulhilmi SharizalVolatile Versus Total Intravenous Anaesthesia for CABG Nadia Hanom Ishak Pulmonary Artery Hypertension and Anaesthesia Postoperative Delirium After Cardiac Surgeon Perspective Ahmad Khadri Awang Mechanical support for the RV FailureAn O Hear Marit Cong Ahmad Khadri Awang Mechanical support for the RV FailureAn O Hear					
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Questions and Answers Session					
1630 - 1700 TEA & TRADE EXHIBITION					

5th OCTOBER 2024 (SATURDAY)

0800 - 0830	REGISTRATION		
0830 - 0900	PLENARY 3 Chairperson: Yong Chow Yen Goal-directed Cardiopulmonary Bypass: Which, Why and How? - Paul Forrest		
0900 - 0930	PLENARY 4 Chairperson: Norly Ismail Macro and Microcirculation During Cardiac Surgery - Yunseok Jeon		
0930 - 1045		0930 - 1045	0930 - 1045
SYMPOSIUM 7		SYMPOSIUM 8	SYMPOSIUM 9
PAEDIATRIC CARDIAC ANAESTHESIA Ariffin Marzuki Mokhtar / Izumi Kawagoe		CARDIAC INTENSIVE CARE Chua Chen Chen / Juita Hassan	MONITORING Isqandar Adnan / Nor Hayati Mohd Said
Modified Ultrafiltration For Congenital Heart Surgery Anas AI Atas Management For Fontan Circulation James Montgomerie Total Anomalous Pulmonary Venous Return -Anesthesia Considerations Lee Kok Tong		Pathophysiology of Coronary Heart Ischemia TBA Cardiac Intensive Care Unit: Where We Are In 2025 Hasmizy Muhammad The Past, Present and Future of Cardiac Arrhythmia Ablation Saravanan Krishinan	The Pulmonary Artery Catheter and other CO monitors Mazlilah Abdul Malek Cerebral Oximetry and Neuromonitoring Hanafi Sidik Why We Need Extra Artery Pressure Monitoring During Cardiac Surgery? Azmiza Maharani

Questions and Answers Session

0930 - 10450930 - 10450930 - 1045SYMPOSIUM 10SYMPOSIUM 11THORACIC ANAESTHESIA Nazri Mohamed Mohd Khairul Anwar A. RahimPERIOPERATIVE MEDICINE Lee Kok Tong / Amar GhassaniMedical Optimization for Thoracic Surgical Patients Chua Chen Chen Anesthetic Management For Tracheal Resection In A Patient With Critical Tracheal Stenosis Izumi KawagoePerioperative Nutritional Status in Cardiothoracic Surgical Patient Lim Shin Nee Preoperative Evaluation for Cardiac Surgery- What Tests Do We Really Nor Hayati Mohd SaidSELECTED BEST POSTER & CASE REPORT/SERIES PRESENTATIONS 1	1045 - 1115	TEA & TR	EA & TRADE EXHIBITION	
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Questions and Answers Session

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

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

