



Hospital Raja Permaisuri Bainun  
Department of Anaesthesia and Intensive Care

# Beyond BASIC Transthoracic Echocardiography

**Dates and time:** 4<sup>th</sup> July 2018: 0800-1700 hour  
5<sup>th</sup> July 2018: 0800-1300 hour

**Venue:** Seminar room 1 & 2, Level 4,  
Ambulatory Care Center,  
Hospital Raja Permaisuri Bainun, Ipoh.

**Costs:** RM 300 (MSIC member)  
RM 350 (non-MSIC member)

Limited to 30 Intensivists for the first course (Closing date: 31<sup>st</sup> May 2018)

The aim of the course is to provide participants with a basic understanding of transthoracic echocardiography.

Our course consists of an electronic course manual for portable medias, an online pre-course multiple-choice questions (MCQs), interactive lectures, practical skills stations, and completion of a post-course MCQs.

The electronic course manual can be downloaded as an “App” to conventional electronic media prior to the course.

The design of the course is aimed to cover critical care ultrasound syllabus of the College of Intensive Care Medicine of Australia and New Zealand (CICM):

Topics include:

- ❖ Indications of transthoracic echocardiography
- ❖ Principles of Ultrasound Imaging
- ❖ Basic Controls (Knobology)
- ❖ Image Acquisition
- ❖ Left Heart Assessment
- ❖ Right Heart Assessment
- ❖ Pericardial Disease
- ❖ Haemodynamic Assessment
- ❖ Artefacts

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**BEYOND BASIC: TRANSTHORACIC ECHOCARDIOGRAPHY COURSE****PROGRAMME SCHEDULE****Day 1: 4<sup>th</sup> July 2018**

TIME	TOPIC	FACILITATOR	DURATION
<b>Registration</b> 8.00 – 8.30AM			
<b>Welcoming Address and Introduction of the Course</b> Dr Foong KW 8.30 – 8.40AM			
8.40 – 8.50AM	<b>Indications for Transthoracic Echocardiography</b>	Dr Gordon Choi YS	10 mins
8.50 – 9.10AM	<b>Principles of Ultrasound Imaging</b>	Dr Stephen Lo KS	20 mins
9.10 – 9.30AM	<b>Basic Controls and Knobology</b>	Dr Premela N	20 mins
9.30 – 10.00AM	<b>Image Acquisition and Transthoracic Views</b>	Dr Foong KW	30 mins
<b>Coffee Break</b> 10.00 – 10.30AM			
10.30 – 12.00PM	<p><b>Hands On Session:</b> 2 Parallel Pathways *Kindly refer to the attached name list to check for your starting station*</p> <p><b>Station 1 and 4: PLAX, PSAX and Knobology</b> <b>Station 2 and 5: Subcostal, IVC and Knobology</b> <b>Station 3 and 6: Apical views and Knobology</b></p>	Dr Gordon Choi YS Dr Stephen Lo KS Dr Cindy Tsui SY Dr Lau YH Dr Premela N Dr Foong KW	Each station will rotate every 30 mins. A bell will be ringing signaling the change of stations
12.00 – 12.30PM	<b>Left Heart Assessment</b>	Dr Cindy Tsui SY	30 mins
12.30 – 13.00PM	<b>Right Heart Assessment</b>	Dr Lau YH	30 mins
<b>Lunch</b> 13.00 – 14.00PM			
14.00 – 15.30PM	<p><b>Hands On Session:</b> 3 Parallel Pathways *Kindly refer to the attached name list to check for your starting station*</p> <p><b>Station 1, 3, 5: Left Heart Assessment</b> <b>Station 2, 4, 6: Right Heart Assessment</b></p>	Dr Gordon Choi YS Dr Stephen Lo KS Dr Cindy Tsui SY Dr Lau YH Dr Premela N Dr Foong KW	Each station will rotate every 30 mins. A bell will be ringing signaling the change of stations
15.30 – 16.00PM	<b>Artefacts</b>	Dr Gordon Choi YS	30 mins
16.00 – 16.30PM	<b>Pericardial Diseases</b>	Dr Premela N	30 mins
16.30 – 17.00PM	<b>Hemodynamic Assessment</b>	Dr Cindy Tsui SY	30 mins

## Day 2: 5<sup>th</sup> July 2018

TIME	TOPIC	FACILITATOR	DURATION
<b>Registration</b> 7.45 – 8.00AM			
8.00 – 8.30AM	<b>Hands On Session:</b> 6 stations *Kindly refer to the attached name list to check for your starting station*  <b>Hemodynamic Assessment</b>	Dr Gordon Choi YS Dr Stephen Lo KS Dr Cindy Tsui SY Dr Lau YH Dr Premela N Dr Foong KW	There will be no rotation during this hands on session
8.30 – 12.00PM  <b>*Coffee Break</b> 10.00 – 10.30AM*	<b>Hands On Session:</b> 6 stations *Kindly refer to the attached name list to check for your starting station*  <b>Case Based Discussion</b>	Dr Gordon Choi YS Dr Stephen Lo KS Dr Cindy Tsui SY Dr Lau YH Dr Premela N Dr Foong KW	Each station will rotate every 30 mins. A bell will be ringing signaling the change of stations
<b>Post Course Test and Feedback</b> 12.00 – 12.30PM			
<b>Closing Remarks</b> 12.30 – 13.00PM			