



WINFOCUS

World Interactive Network Focused on Critical UltraSound

WINFOCUS Basic Echo (WBE) & More Than Basic Echo Course (WMTBE)

23-25 Oct 2019



Organized by
Alexandra Academy for Clinical and Emergency Sonography (AACES)



Accredited by the College of Intensive Care Medicine of Australia and New Zealand

Description

Specifically designed for physicians in critical care medicine, emergency medicine and anaesthesia, this training program comprise of two courses: the Winfocus Basic Echo and More Than Basic Echo course. **WBE** is targeted at physicians who are new to or have just started on focused cardiac ultrasound (FoCUS) and covers the basic use of transthoracic echocardiography in the setting of cardiac arrest and peri-resuscitation. With the inclusion of internationally well-known formats of FEEL and FATE, this course may also be of interest to more echo-experienced physicians wishing to make their focused echo assessments more effective. The **WMTBE** is targeted at physicians with prior knowledge in echocardiography, and wish to expand their practice with speciality-specific use of more advanced hemodynamic parameters offered by echocardiography in the management of their critically ill patients. Participants will be able to register for either one or both courses, depending on their training needs.

Who should attend

Critical care physicians/intensivists, anaesthetist, emergency physicians and healthcare workers involved in the management of the critically ill patients.

ACGME-I Competencies

This course meets one or more of the following ACGME competencies: Patient Care, Medical Knowledge and Practice-Based Learning and Improvement

Training value

Singapore Medical Council CME Points

College of Intensive Care Medicine of Australia and New Zealand CPD Points

- Lectures – Category 2A Passive group learning, 1 point/hr
- Group Discussions – Category 2B Active or interactive group learning, 2 points/hr
- Skill Stations / Simulation – Category 3B Quality Assurance and Patient Safety activities, 3 points/hr



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WBE Learning Objectives

At the end of the course, the participant will learn to how to:

- Articulate the role and limitation of basic transthoracic echocardiography in the assessment of the critically ill
- Obtain standard transthoracic views of the heart, IVC and lung
- Screen for and identify the 4 major classes of shock: Hypovolemic, distributive, cardiogenic and obstructive shock.
- Evaluate for the diagnosis of pericardial effusion and tamponade, systolic heart failure and right heart strain.
- Perform basic valvular assessment to evaluate for severe regurgitation and stenosis
- Perform IVC assessment for collapsibility and distensibility.
- Evaluate for volume status, fluid responsiveness and fluid tolerance.
- Integrate key qualitative echocardiographic findings to guide resuscitation of the critically ill.

WMTBE Learning Objectives

At the end of the course, the participant will learn to how to:

- Articulate the role and limitation of Echo-dynamics in the assessment of the critically ill
- Obtain standard and additional transthoracic views of the heart and obtain basic transesophageal echo views.
- Obtain quantitative assessment of LV and RV systolic function.
- Assess for fluid status and fluid responsiveness using qualitative and quantitative measurements
- Estimate LV filling pressure, measurement of cardiac output and pulmonary artery pressure
- Differentiate cardiogenic versus non-cardiogenic pulmonary edema
- Use echocardiography to aid in the weaning from ventilator
- Evaluate and manage patients with septic shock, complicated AMI, cardiac tamponade, ARDS, chest trauma and pulmonary embolism with echocardiography
- Integrate key qualitative and quantitative echocardiographic findings to guide resuscitation of the critically ill.

Course Fee (any one course / both courses*)

Doctors (Specialists & Family Physician): **SGD \$580/\$980***

Doctors (Trainees, Resident Physicians, Medical and House Officers) & other healthcare providers: **SGD \$450/\$850***

Registration & Course Administration

Visit www.AACES.sg for details.



WINFOCUS Basic Echo Course (WBE)

Khoo Teck Puat Hospital, Singapore • 23-24 Oct 2019

DAY 1		DAY 2	
8:15	Registration for WBE Day 1	8:15	Registration for WBE Day 2
8:30	FoCUS in critical care: An overview <i>Dr Arif Hussain</i>	8:30	Shock <i>Dr Lee Kuan Wee</i>
8:50	Views and targets of exam <i>Dr Lee Kuan Wee</i>	8:55	Pitfalls & limitations of FoCUS <i>Dr Azman Johan</i>
9:20	Signs of LV systolic dysfunction <i>Dr Nicholas Lim</i>	9:15	Integration in whole body ultrasound approach <i>Dr Shi Di</i>
9:40	Signs of RV systolic dysfunction <i>Dr Chia Yew Woon</i>	9:55	WBE certification pathway <i>Dr Arif Hussain</i>
10:00	Break	10:05	Break
10:20	Signs of chronic cardiac disease <i>Dr Amit Kansal</i>	10:25	Hands on training
10:40	Hand on training	12:05	Feedback / Admin
12:20	Lunch	12:20	Course Closure / Lunch
1:10	Severe hypovolemia <i>Dr Lee Chiao Hao</i>		
1:30	Pericardial effusion and tamponade <i>Dr See Kay Choong</i>		
1:50	Cardiac arrest <i>Dr Ha Young Rock</i>		
2:10	FoCUS in acute aortic syndrome <i>Dr Rafael Scolol</i>		
2:25	Break		
2:45	Knobology <i>Dr Shi Di</i>		
3:05	Hands on training		
4:45	Basic valvular pathology <i>Dr Chuah Seng Chye</i>		
5:05	Respiratory failure <i>Dr Azman Johan</i>		
5:25	End of Day 1		

Venue

Khoo Teck Puat Hospital
90 Yishun Central, S768828
Singapore



WINFOCUS More Than Basic Echo Course (WMTBE)

Khoo Teck Puat Hospital, Singapore • 24-25 Oct 2019

DAY 1

- 12:45** Registration for WMTBE Day 1
- 1:00** Introduction: Echodynamics
Dr Arif Hussain
- 1:15** Basic doppler and knobology
Dr Nicholas Lim
- 1:35** Introduction to transesophageal echo
Dr Ling Lee Fong
- 1:50** Quantification of LV systolic function
Dr See Kay Choong
- 2:10** **Break**
- 2:30** Quantification of RV systolic function
Dr Chia Yew Woon
- 2:50** Pulmonary edema: lung ultrasound
Dr Ha Young Rock
- 3:15** Hands on Training
- 4:55** Hypovolemia and volume responsiveness
Dr Ang Shiang Hu
- 5:20** **End of Day 1**

Venue

Khoo Teck Puat Hospital
90 Yishun Central, S768828
Singapore



DAY 2

- 8:15** Registration for WMTBE Day 2
- 8:30** Measurement of cardiac output & pulmonary artery pressure
Dr Ang Shiang Hu
- 8:55** Estimation of LV filling pressure
Dr Nicholas Lim
- 9:20** Septic Shock
Dr See Kay Choong
- 9:40** Cardiogenic versus non-cardiogenic pulmonary edema; weaning
Dr Chia Yew Woon
- 10:00** **Break**
- 10:20** Hands on Training
- 12:00** Complicated AMI
Dr Chuah Seng Chye
- 12:20** Cardiac Tamponade
Dr Ling Lee Fong
- 12:40** Acute pulmonary embolism
Dr Azman Johan
- 1:00** **Lunch**
- 1:50** Acute Respiratory Distress Syndrome
Dr Shi Di
- 2:10** Chest trauma
Dr Ha Young Rock
- 2:30** Severe valvular heart disease
Dr Arif Hussain
- 2:50** Course Admin
- 3:00** **Break**
- 3:20** Hands on training
- 5:00** Feedback
- 5:15** **Course Closure**



WINFOCUS Basic Echo & More Than Basic Echo Course Khoo Teck Puat Hospital, Singapore • 23-25 Oct 2019

Faculty

Dr Amit Kansal

MBBS (UCMS), FCICM(Aus & NZ)

Consultant. Department of Intensive Care Medicine. Ng Teng Fong General Hospital. Singapore

Dr Ang Shiang Hu

MBBS, MRCSEd(A&E), FAMS

Senior Consultant. Accident and Emergency Department, Changi General Hospital. Singapore

Dr Arif Hussain

MD

Program Director

President Elect, World Interactive Network Focused on Critical Ultrasound (WINFOCUS)

Consultant and Head. Cardiac Critical Care, King Abdulaziz Cardiac Centre, Riyadh. Saudi Arabia

Dr Azman Johan

MBBS(S'pore), FRCP, FAMS, FCCP(US)

Senior Consultant. Department of General Medicine, Sengkang General Hospital. Singapore

Dr Chia Yew Woon

MBBS, MMed(Int Med), MRCP(UK), EDIC, DDU (Critical Care), Diplomate (ASCeXAM), FAMS(Cardiology), FAMS(Intensive Care Medicine), FRCP(Edin)

Senior Consultant and Director, Cardiac Intensive Care Unit, Tan Tock Seng Hospital. Singapore

Dr Chuah Seng Chye

MBBS, MRCP

Senior Consultant. National Heart Centre. Singapore

Dr Ha Young-Rock

MD

Emergency Physician. Department of Emergency Medicine, Bundang Jesaeng Hospital.

President, Society of Emergency and Critical Care Imaging. South Korea

Dr Lee Chiao Hao

MD(Taiwan), MCEM(UK), FRCEM(UK), MMed(S'pore)

Associate Consultant. Emergency Department, Tan Tock Seng Hospital.

Dr Lee Kuan Wee

MBBS, MRCSEd(A&E), MMed

Consultant, Department of Emergency Medicine, Alexandra Hospital, Jurong Health Services. Singapore



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Faculty

Dr Rafael Saclolo

MD, MCEM(UK)

Consultant. Emergency Department, Tan Tock Seng Hospital. Singapore

Dr Leong Bao Yu, Geraldine

MBBS, MMed(S'pore)

Consultant. Accident and Emergency Department, Changi General Hospital. Singapore

Dr Lim Yao-Han, Nicolas

MB BCH, BAO, FRCEM, MRCSI

Intensive Care Fellow, St James Hospital, Dublin. Republic of Ireland.

Dr Ling Lee Fong

MBBS, MMed(S'pore), MRCP(UK), FAMS (Cardiology), Dip NBE (ASCeXAM), Dip CBNC(USA), RPVI (USA)

Senior Consultant. Department of Cardiology, Koo Teck Puat Hospital. Singapore

Ms Noraini Begum Abdul Ghani

BSE

Senior Medical Technologist, Cardiovascular Centre, Khoo Teck Puat Hospital. Singapore

Dr See Kay Choong

MBBS, MRCP(UK), MPH, EDIC

Consultant. Division of Respiratory and Critical Care Medicine, National University Hospital. Singapore

Dr Shi Di

MD

Attending physician, Director of Emergency Ultrasound Training Program

Department of Emergency Medicine, Peking Union Medical College Hospital, Beijing. China

Dr Toh Hong Chuen

MBBS, MRCSEd(A&E), FAMS, RDMS, MHPE

Program Director, Alexandra Academy for Clinical and Emergency Sonography, AACES.

Senior Consultant. Acute and Emergency Care Centre, Khoo Teck Puat Hospital. Singapore.