

BASIC COURSE

JUNE 11 2022
DAY ONE

08:00-08:20 **Welcome and Introduction**

THE BASIC OF ULTRASOUND

08:20-08:40 **Basic Physics of Ultrasound**

08:40-09:00 **TOE: Indications, Contraindications and Safety**

09:00-09:20 **Basic TTE Views**

09:20-09:40 **Basic TOE Views**

09:40-10:00 **Imaging Optimization**

10:00-10:30 ***Coffee break***

10:30-12:00 **WORKSHOP 1**

Basic TTE Views

Standard TOE Views

Imaging Optimization

12:00-13:00 ***Lunch***

HEMODYNAMICS

13:00-13:20 **Doppler: Principles and Measurements**

13:20-13:40 **Hemodynamic Calculations in TOE**

13:40-14:00 **Assessment of LV Global Systolic Function**

14:00-14:20 **Assessment of LV Regional Function**

14:20-14:40 **Assessment of LV Diastolic Function**

14:40-15:00 **Assessment of RV Function**

15:00-15:30 ***Coffee break***

15:30-17:00 **WORKSHOP 2**

Left Ventricle Assessment

Right Ventricle Assessment

Case Studies and Quiz

17:00-18:30 **WET LAB**

BASIC COURSE

JUNE 12 2022
DAY TWO

VALVES

08:00-08:20	Aortic Valve
08:20-08:40	Mitral Valve
08:40-09:00	Tricuspid and Pulmonary Valve
09:00-09:20	Prosthetic Valves
09:20-09:40	Foreign Bodies and Masses
09:40-10:00	Pericardium
10:00-10:30	<i>Coffee break</i>

WORKSHOP 3

10:30-12:00	Aortic Valve TEE Views
	Mitral Valve TEE Views
	Essential Hemodynamics

12:00-13:00 ***Lunch***

MISCELLANEOUS

13:00-13:20	Aorta
13:20-13:40	Artefacts and Pitfalls
13:40-14:00	TEE: Comprehensive Exam and Reporting
14:00-14:20	Ultrasound for Lung Assessment
14:20-14:40	Focus
14:40-15:00	US in Vascular Approach
15:00-15:30	<i>Coffee break</i>

WORKSHOP 4

15:30-17:00	Focus
	Lung Ultrasound
	Vascular Access

An application has been made to the EACCME® for CME accreditation of this event.

EACTAIC informs all the participants that there is a variety of different similar products that can be used beyond the ones provided at the event.

EACTAIC
ECHO COURSE 2022

SHERATON ZAGREB HOTEL ZAGREB (CROATIA)
JUNE 11-14

ADVANCED COURSE

JUNE 11 2022
DAY ONE

08:00-08:20

Welcome and Introduction

DECISION MAKING IN AORTIC VALVE DISEASE

08:20-08:40

Evolving New Concepts in The Assessment of Aortic Stenosis

08:40-09:00

Aortic Valve Repair; How Echo Guides a Decision- 2D and 3D

09:00-09:20

Aortic Valve Repair- Surgical Perspective

09:20-09:40

Pre and Post Assessment; Case Based Discussion

09:40-09:50

Discussion

09:50-10:20

Coffee break

DECISION MAKING IN MITRAL VALVE DISEASE

10:20-10:40

MV Repair or Replace- The Essential Echo Information

10:40-11:00

Surgical Point of View- What Surgeon Needs to Know

11:00-11:20

Pre and Post MV Repair Assessment- 2D and 3D

11:20-11:40

Functional MR

11:40-12:00

Minimally Invasive Surgery of Mitral Valve

12:00-12:20

Role of Echocardiography in Estimation of LV Dysfunction

After Surgical Interventions on Mitral Valve

12:20-12:30

Discussion

12:30-13:30

Lunch

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SHERATON ZAGREB HOTEL ZAGREB (CROATIA)

JUNE 11-14

ADVANCED COURSE

JUNE 11 2022
DAY ONE

DECISION MAKING IN TRICUSPID VALVE DISEASE

13:30-13:50

Echocardiographic Imaging of Tricuspid Valve; 2D and 3D

13:50-14:10

Functional Tricuspid Regurgitation

14:10-14:30

Tricuspid Regurgitation During MV Surgery

14:30-14:50

Case Presentation; Q and A

DECISION MAKING IN MECHANICAL SUPPORT

14:50-15:10

TEE in Short Term Mechanical Support

15:10-15:30

Weaning from Short Term Mechanical Support- Role of TEE

15:30-15:50

Decision Making and TEE Monitoring in Intermediate-
and Long-Term Mechanical Circulatory Support

15:50-16:40

Coffee break

ADULT CONGENITAL HEART DISEASE AND HEART TRANSPLANT

16:40-17:00

Cardiomyopathies

17:00-17:20

Myocarditis

17:20-17:40

Imaging in Heart Transplantation

17:40-18:00

ECHO Recognition of Heart Transplantation Troubleshooting

18:00-18:20

Nonrepaired ACHD

18:20-18:40

Repaired ACHD

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ADVANCED COURSE

JUNE 12 2022
DAY TWO

INTERVENTIONAL CARDIOLOGY

08:00-08:20	TEE For TAVI- Do We Need It/ What Can Go Wrong?
08:20-08:40	Mitral Clip
08:40-09:00	Percutaneous Intervention on TV
09:00-09:20	Paravalvular Leek Closure Procedures - Can 3D Help?
09:20-09:40	ASD and VSD Closure
09:40-10:00	LAA Closure
10:00-10:30	<i>Coffee break</i>

MISCELLANEOUS

10:30-10:50	Comprehensive Review of Complications After Myocardial Infarction
10:50-11:10	Various Tools in Advanced LV and RV Assessment
11:10-11:30	Evaluation of Endocarditis Complications (Abscesses, VSD, Aortic Root, Vegetations – When Is It Possible to Repair, When to Replace)
11:30-11:50	Prosthetic Valves Estimation and Complications
11:50-12:10	Aortic Dissection
12:10-12:30	Complex Aortic Procedures
12:30-13:30	<i>Lunch</i>

ADVANCED COURSE

JUNE 12 2022
DAY TWO

ECHO IN ICU

13:30-13:50	Hemodynamic Monitoring Using TEE in Patients with Shock
13:50-14:10	TEE During Cardiac Arrest
14:10-14:30	Point-Of-Care Ultrasound in Critically ill Patients (FATE, BLUE, RUSH and FALLS Protocols)
14:30-14:50	Echocardiography in COVID-19 Disease- Comprehensive Approach
14:50-15:10	Echocardiography in Pulmonary Hypertension and ARDS
15:10-15:40	<i>Coffee break</i>

ADVANCED APPLICATIONS OF PERIOPERATIVE ECHO

15:40-16:20	Artificial Intelligence in TEE: How Does It Work and Are We There?
16:20-16:40	The Final Frontier: Valve in Valve Therapy
16:40-17:00	Augmented Echo Reality - VR and 3D Printing
17:00-17:20	Assessment of Acute Changes of Left Ventricular Function During Surgical Revascularization by 3D Speckle Tracking and Strain
17:20-17:40	Peri-Procedural Gradients: What do they tell us?

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SHERATON ZAGREB HOTEL ZAGREB (CROATIA)
JUNE 11-14

CERTIFICATION COURSE

JUNE 13 2022
DAY ONE

08:00-08:20

Welcome and Introduction

BASICS

08:20-08:40

EACTA/EACVI Certification in Adult TOE

08:40-09:00

TOE: Indications, Safety and Complications

09:00-09:20

Review of Ultrasound Physics and Essential Hemodynamics

09:20-09:40

Comprehensive and Abbreviated TOE Exam

09:40-10:00

How to Write a TOE Report

10:00-10:30

Coffee break

LV/RV

10:30-10:50

LV Systolic Function

10:50-11:10

LV Diastolic Function

11:10-11:30

RV Function

11:30-12:30

ECHO Quiz: LV and RV

12:30-13:30

Lunch

MITRAL VALVE

13:30-13:50

Mitral Valve: Normal Anatomy and Physiology

13:50-14:10

Mitral Valve: Pathology

14:10-14:30

Surgical Mitral Valve Repair

14:30-14:50

Interventional Mitral Valve Repair

14:50-15:20

Coffee break

AORTIC VALVE

15:20-15:40

Aortic Valve: Normal Anatomy and Physiology

15:40-16:00

Aortic Valve: Pathology

16:00-16:20

Surgical Aortic Valve Replacement/Repair

16:20-16:40

Transcatheter Aortic Valve Procedures

16:40-17:40

ECHO Quiz: MV and AV

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JUNE 11-14

CERTIFICATION COURSE

JUNE 14 2022
DAY TWO

TRICUSPID AND PULMONARY VALVES

08:00-08:20

Tricuspid and Pulmonary Valve

08:20-08:40

**Surgical and Interventional Tricuspid Valve:
Replacement and Repair**

08:40-09:00

Endocarditis

09:00-09:20

Prosthetic Valves

09:20-09:50

Coffee break

MISCELLANEOUS

09:50-10:10

Pericardial Effusion and Tamponade

10:10-10:30

Pathologies of Aorta

10:30-10:50

Cardiomyopathies

10:50-11:10

Mechanical Circulatory Support

11:10-11:30

Cardiac Masses and Sources of Embolism

11:30-11:50

TEE in Congenital Heart Disease

11:50-12:50

Lunch

ADVANCE IMAGING

12:50-13:10

The Essentials of Myocardial Deformation Imaging

13:10-13:30

The Physics of 3D Imaging

13:30-13:50

Essential 3D Examination

13:50-14:10

Clinical and Perioperative Applications of 3D Imaging

14:10-15:10

ECHO Quiz

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