



EACVI
European Association of
Cardiovascular Imaging
 European Society of Cardiology

EACVI Teaching Course on Transoesophageal 2D and 3D Echocardiography

– 18-20 October 2019 –

Park Inn Hotel, Prague





Course Presentation

This programme is accredited by EACCME® for ? CME credits

Course Directors

Denisa Muraru (IT), Erwan Donal (FR), Bogdan A. Popescu (RO)

Faculty Members

Nina Ajmone Marsan (NE), Maria Magdalena Gurzun (RO), Leyla Elif Sade (TR), Jaroslaw Kasprzak (PL), Hani Mahmoud-Elsayed (UK), Ralph Stephan Von Bardeleben (GE)

Target Audience

This course is dedicated to doctors, either in training or consultants, interested in improving their knowledge and skills in 2D and 3D transoesophageal echocardiography. This course will also serve those who aim to obtain the EACVI certification in TOE.

Description

The Course programme encompasses a mix of lectures, case-based presentations with multiple-choice questions, and two types of hands-on practical workshops: image acquisition and optimization on TOE simulators; and image postprocessing performed by attendees on dedicated workstations and guided by Faculty.

Learning objectives:

- ✓ Recognise the main clinical indications for a TOE study
- ✓ Assess valvular and ventricular function using 2D and 3D TOE
- ✓ Understand the added value of 3D echo over conventional 2D and Doppler TOE
- ✓ Acquire basic skills in probe manipulation and 2D TOE image acquisition
- ✓ Optimise 3D TOE acquisition and analysis
- ✓ Integrate information from 2D and 3D TOE for patient selection and guidance for interventional procedures for structural heart disease

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The scientific programme has not been influenced in anyway by its sponsors.



GE Healthcare



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Course Programme

Day 1 – Friday 18 October *Basic Course*

08:00-09:00 Registration

09:00-09:10 Welcome and Introduction of the course – B. Popescu, E. Donal

Session I: Basics of transesophageal echocardiography – Chairpersons: B. Popescu, E. Donal

09:10-09:40 EACVI recommendations on procedure, safety issues and reporting – B. Popescu

09:40-10:10 Introduction to TOE: added value and clinical indications (case-based) – J. Kasprzak

10:10-10:40 Standard TOE views, applied physics and image optimization – L.E. Sade

10:40-11:00 Coffee break

11:00-13:00 Hand-on sessions

- TOE Simulators – B. Popescu, L.E. Sade, E. Donal, M. Gurzun
- GE Workstations: Knobology and TTE hands-on – J. Kasprzak
- Philips Workstations: Knobology and TTE hands-on – H. Mahmoud-Elsayed

13:00-14:00 Lunch break

Session II: Basic applications of transesophageal echocardiography - Chairpersons: J. Kasprzak, M. Gurzun

14:00-14:30 Mitral valve anatomy and function assessment – N. Ajmone Marsan

14:30-15:00 Aortic valve anatomy and function assessment – H. Mahmoud-Elsayed

15:00-15:30 Tricuspid and pulmonary anatomy and function assessment – L.E. Sade

15:30-16:00 Coffee break

16:00-18:00 Hand-on sessions

- TOE Simulators – E. Donal, L.E. Sade, M. Gurzun, H. Mahmoud-Elsayed
- GE Workstations: Knobology and TTE hands-on – B. Popescu
- Philips Workstations: Knobology and TTE hands-on – N. Ajmone Marsan

Day 2 – Saturday 19 October *Advanced Course*

08:00-08:30 Registration

Session III: Advanced applications of 2D/3D transesophageal echocardiography (I) – Chairpersons: E. Donal, H. Mahmoud-Elsayed

08:30-09:00 Advanced examination of mitral valve pathology – N. Ajmone Marsan

09:00-09:30 Advanced examination of aortic valve pathology – B. Popescu

09:30-10:00 Advanced examination of valvular prostheses – L.E. Sade

10:00-10:30 Advanced examination of ventricular function and mechanical assist devices – J. Kasprzak

**EACVI**European Association of
Cardiovascular Imaging**10:30-11:00 Coffee break**

11:00-13:00 Hand-on sessions

- TOE Simulators – B. Popescu, J. Kasprzak, L.E. Sade, M. Gurzun
- GE Workstations – N. Ajmone Marsan
- Philips Workstations – H. Mahmoud-Elsayed

13:00-14:00 Lunch break***Session IV – Advanced applications of 2D/3D transesophageal echocardiography (I) – Chairpersons:******B. Popescu, R.S. Von Bardeleben***

14:00-14:30 Endocarditis – M. Gurzun

14:30-15:00 Masses and sources of embolism – B. Popescu

15:00-15:30 Acute aortic syndromes – E. Donal

15:30-16:00 Coffee break

16:00-18:00 Hands-on session

- TOE Simulators – B. Popescu, L.E. Sade, H. Mahmoud-Elsayed, N. Ajmone Marsan
- GE Workstations – J. Kasprzak
- Philips Workstations – M. Gurzun

19:30-21:30 Group Dinner at the Hotel**Day 3 – Sunday 20 October *Advanced Course******Session V: Role of 2D/3D transesophageal echocardiography in transcatheter interventions -******Chairpersons: N. Ajmone Marsan, R.S. Von Bardeleben***

08:30-09:00 TAVR – N. Ajmone Marsan

09:00-09:30 MitraClip – R.S. Von Bardeleben

09:30-10:00 ASD/PFO and LAA closure – H. Mahmoud-Elsayed

10:00-10:30 Paravalvular leaks – E. Donal

10:30-11:00 Coffee break

11:00-12:45 Challenging Clinical Cases from the Faculty – All (max 12 min presentations + 3 min discussion)

- Case 1: (title TBD) – B. Popescu
- Case 2: (title TBD) – L.E. Sade
- Case 3: (title TBD) – J. Kasprzak
- Case 4: (title TBD) – M. Gurzun
- Case 5: (title TBD) – N. Ajmone Marsan
- Case 6: (title TBD) – E. Donal
- Case 7: (title TBD) – R.S. Von Bardeleben

12:45-13:00 Discussions and conclusions

13:00 End of Course and Lunch**ESC**European Society
of Cardiology