



*EAE course organized jointly with the  
Romanian Working Group on Echocardiography*

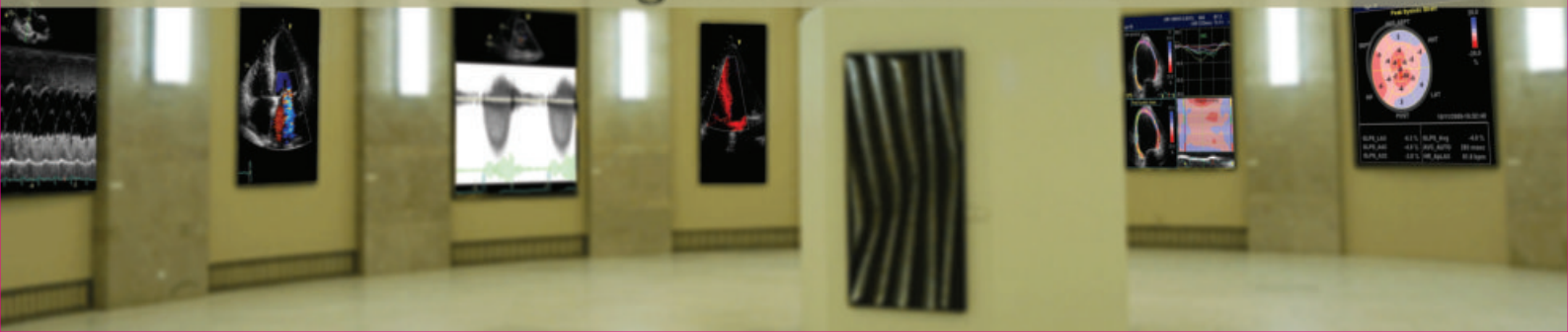


*15-17 April 2010, Bucharest,  
National Art Museum*

*Clinical applications of echocardiography:*

*old and new*

*Teaching course with live demonstrations*



## *Course Directors:*

**Carmen Ginghină**, Bucharest, Romania (Past-President, Romanian Society of Cardiology)

**Bogdan A. Popescu**, Bucharest, Romania (Board member, EAE)

**Jose Zamorano**, Madrid, Spain (President of EAE)

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## *International Speakers:*

**Luigi Badano**, Udine, Italy (President Elect of EAE)

**Alan Fraser**, Cardiff, UK (Past-President of EAE)

**Patrizio Lancellotti**, Liege, Belgium (Treasurer of EAE)

**Aleksandar N. Neskovic**, Belgrade, Serbia (Board member, EAE)

**Ehud Schwammenthal**, Cardiac Rehabilitation Institute, Tel Hashomer, Israel

**Jens-Uwe Voigt**, Leuven, Belgium (Board member, EAE)

## *Local Faculty (speakers, chairpersons, live demonstrations):*

**Eduard Apetrei**, Institute of Cardiovascular Diseases, Bucharest, Romania

**Daniela Bedeleanu**, Heart Institute, Cluj-Napoca, Romania

**Mircea Cintează**, University Hospital, Bucharest, Romania

**Ioan M. Coman**, Institute of Cardiovascular Diseases, Bucharest, Romania

**Dragoș Cozma**, Institute of Cardiovascular Diseases, Timisoara, Romania

**Doina Dimulescu**, Elias Hospital, Bucharest, Romania

**Maria Dorobanțu**, Emergency Hospital, Bucharest, Romania

**Adriana Ilieșiu**, Caritas Hospital, Bucharest, Romania

**Ruxandra Jurcuț**, Institute of Cardiovascular Diseases, Bucharest, Romania

**Dragoș Vinereanu**, University Hospital, Bucharest, Romania



## Dear Colleagues,

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We warmly welcome you to this teaching course entitled “Clinical applications of echocardiography: old and new”, organized by the European Association of Echocardiography and the Romanian Working Group on Echocardiography.

After the successful course organized in 2007 on Doppler echocardiography with a very positive feedback from participants the EAE and the Romanian WGE have decided to run a second European course here in Bucharest.

We would like to highlight the following:

- The course structure combining state-of-the-art lectures with live demonstrations in which experts will scan patients for you explaining the pros and cons, the how-to and the pitfalls of each technique in an interactive way
- The live transmission of a two-hours scanning session from the Echocardiography Laboratory of the University of Medicine and Pharmacy in the Institute of Cardiovascular Diseases, a lab holding European laboratory accreditation
- The topics selected cover a wide range of cardiovascular pathology encompassing almost the full spectrum of diseases routinely encountered and covering most of the EAE core curriculum; older and newer techniques will be discussed and their clinical utility will be highlighted
- The presence of our guest speakers – outstanding names of European echocardiography, excellent lecturers and practitioners vouching for the high quality of the course
- The large number of registered participants proving the high interest raised by this course not only in Romania but also in neighbouring countries
- The venue: the National Art Museum in Bucharest reminding us that echocardiography is not only science but art as well

We wish you a very fruitful and enjoyable meeting!

We kindly invite you to be pro-active by interacting with the faculty in asking many questions and promote active discussions.

Take advantage of having with you such a high class faculty team!


**Carmen Ginghină**



**Bogdan A. Popescu**



**Jose Zamorano**



## OBJECTIVES:

This course has been designed both for cardiologists in training and for cardiologists in practice, to provide a high-quality and authoritative review of the following topics:

- ☑ Basics of transthoracic echocardiography (including machine settings and possible pitfalls)
- ☑ Assessment of ventricular function in different disease settings
- ☑ Integrated Doppler approach to assessing hemodynamics
- ☑ The “state of the art” of transthoracic echocardiography:
  - to assess myocardial function
  - to assess patients with heart failure
  - to quantify severity of valvular heart disease
  - to assess right heart function
- ☑ The course will also cover the most important aspects of tissue Doppler imaging, three-dimensional echocardiography, contrast echocardiography, and speckle tracking echocardiography

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All these topics will be addressed by state-of-the-art lectures and four hours of live case demonstrations (with scanning of patients by members of the faculty)

This course has been accredited by the European Board for Accreditation in Cardiology (EBAC) receiving 12 CME credits. The course has also received 14 CME credits from the Romanian College of Physicians (CMR).

Discussion involving all participants will be encouraged.

The official language of the course is English.



This programme is accredited by the European Board for Accreditation in Cardiology (EBAC) for 12 hours of external CME credits. Each participant should claim only those hours of credit that have actually been spent in the educational activity. EBAC works according to the quality standards of the European Accreditation Council for Continuing Medical Education (EACCME), which is an institution of the European Union of Medical Specialists (UEMS).

In compliance with EBAC/EACCME guidelines, all speakers/chairpersons participating in this programme have disclosed or indicated potential conflicts of interest which might cause a bias in the presentations. The Organizing Committee/Course Director is responsible for ensuring that all potential conflicts of interest relevant to the event are declared to the audience prior to the CME activities.

# Programme

day 1

Thursday, April 15

13:50 – 14:00	Opening of the course - Welcome	Carmen Ginghină, Bogdan A. Popescu, Jose Zamorano
14:00 – 15:30	<b>INTRODUCTION TO ECHOCARDIOGRAPHY</b>	<b>Chairpersons: Jose Zamorano, Eduard Apetrei</b>
14:00 – 14:20	How to set-up the echo lab?	Luigi Badano
14:20 – 14:40	How to set-up the echo machine?	Jens-Uwe Voigt
14:40 – 15:00	How to perform a standard echo examination?	Alan Fraser
15:00 – 15:20	Pitfalls and how to avoid them.	Ioan M. Coman
15:20 – 15:30	Discussion / Questions from the audience	
15:30 – 16:00	<b>Coffee break</b>	
16:00 – 18:00	<b>ASSESSMENT OF THE LEFT VENTRICLE</b>	<b>Chairpersons: Patrizio Lancellotti, Mircea Cintează</b>
16:30 – 16:50	Is normal ejection fraction equivalent to normal systolic function?	Dragoş Vinereanu
16:50 – 17:10	Assessment of LV geometry and function: the added value of 3D echo.	Luigi Badano
17:10 – 17:30	An integrated approach to study LV diastolic function.	Adriana Ilieşiu
17:30 – 17:50	Hypertensive heart disease and failure.	Alan Fraser
17:50 – 18:00	Discussion / Questions from the audience	

# Programme

day 2

Friday, April 16

<b>09:00 – 10:30</b>	<b>CORONARY ARTERY DISEASE AND CARDIOMYOPATHY</b>	<b>Chairpersons: Carmen Ginghină, Jose Zamorano</b>
09:00 – 09:20	Bedside echo assessment of patients with myocardial infarction.	Maria Dorobanțu
09:20 – 09:40	Assessment of ischemia and viability after myocardial infarction.	Jens-Uwe Voigt
09:40 – 10:00	Dilated cardiomyopathy: diagnosis, prognosis, follow-up - the role of echo.	Aleksandar N. Neskovic
10:00 – 10:20	Assessment of cardiac dyssynchrony and selection of candidates for CRT.	Patrizio Lancellotti
10:20 – 10:30	Discussion / Questions from the audience	
<b>10:30 – 11:00</b>	<b>Coffee break</b>	
<b>11:00 – 13:00</b>	<b>PRACTICAL SESSION 1 – LIVE SCANNING OF PATIENTS Transthoracic echocardiography assessment of LV function</b>	<b>Chairpersons: Alan Fraser, Dragoș Vinereanu</b>
	Live transmission from the Echocardiography Laboratory of the Institute of Cardiovascular Diseases, Bucharest, holding European laboratory accreditation since March 2009. The broadcasted live cases will include examinations performed by Jens-Uwe Voigt (with an emphasis on Tissue Doppler Imaging), Jose Zamorano (a case of contrast echocardiography), Ruxandra Jurcut and Bogdan A. Popescu.	
<b>13:00 – 14:00</b>	<b>Lunch</b>	

# Programme

day 2

Friday, April 16

## 14:00 – 15:30 VALVULAR HEART DISEASE

**Chairpersons: Aleksandar N. Neskovic,  
Daniela Bedeleanu**

14:00 – 14:20 Echocardiographic assessment of mitral stenosis.

Bogdan A. Popescu

14:20 – 14:40 Echocardiographic assessment of mitral regurgitation.

Patrizio Lancellotti

14:40 – 15:00 Advanced hemodynamic assessment of aortic stenosis.

Ehud Schwammenthal

15:00 – 15:20 How to assess aortic regurgitation?

Patrizio Lancellotti

15:20 – 15:30 Discussion / Questions from the audience

15:30 – 16:00

**Coffee break**

**16:00 – 18:30 PRACTICAL SESSION 2 – LIVE SCANNING OF PATIENTS**  
**Transthoracic echocardiography assessment of patients with**  
**heart valve disease and ischaemic heart disease.**

**Chairpersons: Luigi Badano, Bogdan A. Popescu**

Live scanning will be performed in the lecture room with questions and discussions involving all participants. The examinations will be performed by Alan Fraser, Luigi Badano, Patrizio Lancellotti, Ruxandra Jurcut and Adriana Iliesiu.

18:30

**Gala Dinner**

# Programme

day 3

Saturday, April 17

<b>09:00 – 10:30</b>	<b>IMPORTANT, YET NEGLECTED TOPICS</b>	<b>Chairpersons: Ehud Schwammenthal, Adriana Ilieșiu</b>
09:00 – 09:20	The left atrium – how can echo help us?	Dragoș Cozma
09:20 – 09:40	The right ventricle – echo update.	Jens-Uwe Voigt
09:40 – 10:00	Respiratory maneuvers in echocardiography: clinical applications.	Carmen Ginghină
10:00 – 10:20	Pulmonary embolism: is echocardiography of any use?	Aleksandar N. Neskovic
10:20 – 10:30	Discussion / Questions from the audience	
<b>10:30 – 11:00</b>	<b>Coffee break</b>	
<b>11:00 – 12:15</b>	<b>THREE-DIMENSIONAL ECHOCARDIOGRAPHY</b>	<b>Chairpersons: Jens-Uwe Voigt, Doina Dimulescu</b>
11:00 – 11:20	(Why) are cardiac valves inherently three-dimensional?	Ehud Schwammenthal
11:20 – 11:40	Three-dimensional assessment of valvular heart disease.	Jose Zamorano
11:40 – 12:00	Three-dimensional stress echocardiography.	Luigi Badano
12:00 – 12:15	Discussion / Questions from the audience	
<b>12:15 – 12:30</b>	<b>Coffee break</b>	

# Programme

day 3

Saturday, April 17

**12:30 – 14:00 ADVANCES IN ECHOCARDIOGRAPHY**

**Chairpersons: Patrizio Lancellotti,  
Dragoş Cozma**

12:30 – 12:50 Contrast echocardiography – current status and indications.

Jose Zamorano

12:50 – 13:10 Speckle tracking echocardiography: principles and applications.

Bogdan A. Popescu

13:10 – 13:30 Ventricular-arterial coupling - why do we have to understand this when we assess cardiac function?

Alan Fraser

13:30 – 13:50 Anatomical considerations and imaging in candidates for percutaneous aortic valve implantation.

Ehud Schwammenthal

13:50 – 14:00 Discussion / Questions from the audience

14:00 Closing remarks.

**Carmen Ginghină, Bogdan A. Popescu,  
Jose Zamorano**

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*Clinical applications of echocardiography: old and new*  
*Teaching course with live demonstrations*



Bucharest, Romania, 15-17 April 2010  
National Art Museum, Auditorium Hall



EAE Educational Course  
Organized with the Romanian Working Group on Echocardiography  
of the Romanian Society of Cardiology

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