

Global Advances in Echocardiography

This activity is jointly provided by Global Education Group (Global) and Meetings By Mail.

CME Information

Release date: September 5, 2025

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Purpose

Statement

Transcatheter aortic valve implantation (TAVI), transcatheter edge-to-edge repair and valve replacement procedures have created a revolution in the management of valvular heart disease. These interventions are heavily dependent on echocardiography for diagnosis, indications, monitoring and guidance. As such, this development has transformed the role of imagers around the world, creating a specific need for training and specialized utilization of echocardiography techniques. The internationally acclaimed Zurich Heart House-London Heart House collaborates with American experts to provide a wide range of perspectives regarding optimal practices and procedures for all who use this essential tool in cardiovascular imaging.

Target Audience

This activity is designed for cardiologists, cardiac surgeons, anesthesiologists, sonographers, internists, intensive care/critical care practitioners, and other healthcare professionals who desire an update on the latest advancements in echocardiography.

Educational Objectives

After completing this activity, the participant should be better able to:

1. Discuss the epidemiology and clinical evolution of transcatheter heart valve procedures.
2. Describe the many applications of stress echocardiography in valvular heart disease.
3. Explain echocardiography's potential role in the closure of atrial septal defects and patent foramen ovale.
4. Discuss the utility of echocardiography for the guidance of tricuspid edge-to-edge repair.
5. Describe the impact and potential pitfalls inherent in echocardiographic assessment of aortic stenosis and regurgitation.
6. Illustrate echocardiography's role in prosthetic valve assessment, as well as the detection and management of infective endocarditis.

7. Explain how echocardiography can be used to evaluate and support mechanical circulatory devices.

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Global Contact Information

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System Requirements

PC

Microsoft Windows XP service pack 2 or later.

HTML 5 Compatible Web browser (Google Chrome, Safari or Microsoft Edge Preferred)

MAC

MAC OS 10.4 or higher

HTML 5 Compatible Web browser (Google Chrome, Safari or Microsoft Edge Preferred)

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Madalina Garbi, MD	GE, Philips, Edwards, JenaValve	Consulting and Speaking
Linda Gillam, MD	Medtronic, Krinsky, Egnite	Advisory Board
	Medtronic	Executive Committee Member—SMART Trial
Thomas F. Lüscher, MD	Abbott, Amgen, AstraZeneca, Bayer Healthcare, Boehringer-Ingelheim, Cytokinetics, Daichi-Sankyo, Eli Lilly, Novartis, Novo Nordisk, Roche Diagnostics, Sanofi and Vifor	Research and Educational Grants
Francesco Maisano, MD	Abbott, Medtronic, Edwards Lifesciences, Biotronik, Boston Scientific Corporation, NVT, Terumo, Venus,	Grant and/or Research Institutional Support
	Roche	Consulting fees/Honoraria

	Abbott, Medtronic, Edwards Lifesciences, Xeltis, Caridiovalve, Occlufit, Simulands, Magenta, Mtex, Venus, Squadra, Valgen, Croivalve, Meril	
	Edwards Lifesciences, Occlufit	Royalty Income/IP Rights
	Magenta, Transseptalsolutions, 4Tech	Stock Options
Denisa Muraru, MD, PhD	GE, Philips	Speaking
Jim Newton, MD	Edwards Lifesciences	Proctoring and Speaking
Alexandros Papachristidis, MD, PhD	Philips, Edwards Lifesciences	Speaking and Research Funding
	Medtronic	Research Funding
	Bracco	Speaking
Cesare Quarto, MD, PhD	Fondyne, Abbott	Consulting
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Ali Vazir, MBBS, PhD	Edwards Lifesciences, Abbott	Speaking
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The faculty listed below has confirmed that they do not have any relevant financial relationships or potential conflicts of interest to disclose:

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