



ASSOCIATION FOR EUROPEAN
PAEDIATRIC AND CONGENITAL
CARDIOLOGY



EACVI
European Association of
Cardiovascular Imaging



Monasterio
la ricerca che cura

Under the patronage of



Società Italiana di
Cardiologia Pediatrica e delle
Cardiopatie Congenite

SIECVI



First joint AEPC/ EACVI Echocardiography Course on Pediatric Cardiology and Adult Congenital Heart Diseases

Pisa

13-14 March 2025


Tuscany Region-National Research Council, Monasterio





First joint AEPC/ EACVI

Echocardiography Course on Pediatric Cardiology and Adult Congenital Heart Diseases



The First Joint AEPC/EACVI Echocardiography Course on Pediatric Cardiology and Adult with Congenital heart Disease, will provide a basic overview on the:

- Anatomy and physiology of major congenital cardiac defects as imaged by echocardiography.
- Use of echocardiography for basic and detailed diagnosis and follow-up of major congenital cardiac defects at different ages.
- Acquired cardiac defects in the pediatric age.
- Application of echocardiography in interventional (surgical or percutaneous) decision-making.
- Application of newer echocardiographic techniques including 3D, speckle tracking, blood speckle tracking to the evaluation of congenital heart disease.
- Basics of multimodality approach in the diagnosis of congenital heart disease.
- Ultrasound application in theater and in intensive care unit, including basics of transesophageal echocardiography, lung ultrasound and point-of-care ultrasound.
- Participants will benefit from practical hands-on sessions.
- The course will also features direct visualization of congenital cardiac defects through anatomical specimens illustrated by cardiac morphologists, and 3D models of congenital heart disease will be used for teaching purposes.

The course is designed for different professional working with congenital heart disease patients, including **Pediatrician, Cardiologist, Cardiac Anesthetists and Echocardiography Technicians Sonographers**.

Led by a faculty of esteemed European experts-pediatric cardiologists, cardiac morphologists, pediatric cardiac anesthetists, and congenital heart surgeons-this course will prepare participants for the **EACVI/AEPC Certification in Congenital Heart Disease Echocardiography**.

In collaboration with the Italian Society of Cardiovascular Imaging (SIECVI), and the Italian Society of Pediatric Cardiology (SICP)



Pisa
13-14 March 2025

First joint AEPC/ EACVI

Echocardiography Course on Pediatric Cardiology and Adult Congenital Heart Diseases

Thursday, March 13

8.40 Welcome

9.00 **SESSION I**

An approach to echocardiography in CHD

Moderatos: **Giovanni Di Salvo, Almudena Ortiz Garrido**

- The physics of ultrasound **Giovanni Di Salvo**
- The sequential approach **Francesca Raimondi**
- Situs Anomalies **Almudena Otiz Garrido**
- How to measure and normalize in pediatric echocardiography **Cantinotti Massimiliano**

10.00 **SESSION II**

Septal defects and PDA

Moderatos: **Santoro Giuseppe, Colin McMahon**

- Atrial Septal defects **Alessandra Pizzuto**
- Ventricular Septal Defects **Gabriele Rinelli**
- Patent arterial duct in different conditions **Marchese Pietro**
- Surgery vs interventional indications: how echo can help to decide **Giuseppe Santoro VS Vitali Pak**

11.00 *Coffee break*

11.30 **SESSION III**

CHD with possible neonatal urgencies

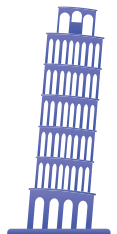
Moderatos: **Nadia Assanta, Inga Voges**

- Aortic coarctation **Inga Voges**
- Transposition of the Great Arteries **Eliana Franchi**
- Pulmonary stenosis (including critical pulmonary stenosis) **Biagio Castaldi**
- Aortic stenosis (including critical aortic stenosis) **Marchese Pietro**
- Anomalous pulmonary venous return **Gaia Spaziani**

12.45-13.30 *Lunch break*

13.00-14.00 *Industry Symposium*

Pisa, 13-14 March 2025





First joint AEPC/ EACVI

Echocardiography Course on Pediatric Cardiology and Adult Congenital Heart Diseases



14.00 *Honorary Lecture:* The pediatric cardiac surgeon and echocardiography
Bruno Murzi

14.30 **SESSION IV** **Cono-truncal defects**

Moderatos: **Pak Vitali, Colin McMahon**

- Tetralogy of Fallot (before and after correction/palliation) **Diala Khraiche**
- Pulmonary atresia (PA IVS/PA VSD) **Colin McMahon**
- Truncus arteriosus and Aorto-pulmonary window **Heyrnic Grotenhuis**
- Percutaneous versus surgical palliation: how to guide the indication by echo minutes **Giuseppe Santoro VS Vitali Pak**

15.30 **SESSION V** **Valve defects in the pediatric age**

Moderatos: **Gabriele Rinelli, Diala Khraiche**

- Major Congenital Valve Defects: Anatomical specimen **Annalia Angelini**
- Atrio-ventricular Septal Defects **Colin McMahon**
- Congenital MV defects **Kai Thorsten Laser**
- Congenital TV defects **Gabriele Rinelli**

16.30 **SESSION VI** **Cardiomyopathies and coronary artery diseases**

Moderatos: **Diala Khraiche, Heyrnic Grotenhuis**

- Coronary artery anomalies **Almudena Ortiz Garrido**
- Cardiomyopathies **Diala Khraiche**
- Myocarditis **Chiara Marrone**

17.15 End of day 1



Pisa, 13-14 March 2025

First joint AEPC/ EACVI
Echocardiography Course on Pediatric Cardiology
and Adult Congenital Heart Diseases

Friday, March 14

9.15 **SESSION VII**
Univentricular heart

Moderatos: **Beatrice Bonnello, Inga Voges**

- Univentricular heart: HLHS **Beatrice Bonnello**
- Univentricular heart: HRHS **Sabatino Jolanda**
- The borderline Left Ventricle **Heyrnic Grotenhuis**
- Isomeric heart disease **Heleen van der Zwaan**
- Univentricular heart after various stage of Fontan Palliations:
Common and rare complications **Inga Voges**
- Univentricular heart 1st stage palliation: surgery vs interventional.
How echo can guide the choice **Giuseppe Santoro/Vitali Pak**

10.45 *Coffee break*

11.15 **SESSION VIII**
**Echocardiographic assessment of ventricular function:
old and new modalities**

Moderatos: **Francesca Raimondi, Sabatino Jolanda**

- How to evaluate systolic and diastolic ventricular function in children
Giovanni Di Salvo
- The role of speckle tracking and 4D flow echocardiography in CHD
Massimiliano Cantinotti
- The role of 3D echocardiography in CHD **Owen Miller**
- Right ventricle and ventricular interaction in pulmonary hypertension
Sabatino Jolanda

12.15 **SESSION IX**
Ultrasound in theatre and in intensive care unit

Moderatos: **Assanta Nadia, Bonnello Beatrice**

- Basics of TEE in cath lab and in theater **Eliana Franchi**
- Lung ultrasound in children after pediatric cardiac surgery
Massimiliano Cantinotti
- PICU ultrasound in intensive care unit **Elisa Barberi/Paolo del Sarto**

Pisa, 13-14 March 2025





First joint AEPC/ EACVI

Echocardiography Course on Pediatric Cardiology and Adult Congenital Heart Diseases

13.00 *Lunch break & Industry symposium*

13.45 *Hands-on sessions*

14.30 **SESSION X**
Complex CHD

Moderatos: **Owen Miller, Giovanni Di Salvo**

- DORV and CCTGA anatomical specimen **Annalisa Angelini**
- DORV echocardiographic diagnosis and indications for management **Heleen van der Zwaan**
- CCTGA echocardiographic diagnosis and indications for management **Domenico Sirico**
- The role of 3d models in planning the approach to complex CHD **Ait-Ali Lamia**

15.30 **SESSION XI**
Echocardiography and other Imaging modalities

Moderatos: **Inga Voges, Heyrnic Grotenhuis**

- When MRI or CT is required and when echocardiography is enough **Ait-Ali Lamia**
- Differences in quantification by echo and MRI **Kai Thorsten Laser**
- Vascular ring: what is better for diagnosis **Francesca Raimondi**

16.15 **Practical session 1: Echocardiography**
Chiara Culeddu, Cecilia Viacava, Giulia Corana, Alberto Cresti

16.45 **Practical session 2: Lung ultrasound**
Francesca Chesi, Guglielmo Capponi, Pietro Marchese

17.00 End of day 2



Pisa, 13-14 March 2025

First joint AEPC/ EACVI Echocardiography Course on Pediatric Cardiology and Adult Congenital Heart Diseases

COURSE DIRECTORS

Massimiliano **Cantinotti** *Massa, Italy AEPC/ EACVI*

Giovanni **Di Salvo** *Padova, Italy EACVI*

Colin **McMahon** *Dublin, Ireland AEPC*

ORGANIZING COMMITTEE

Heynric **Grotenhuis** *The Netherlands AEPC/ EACVI*

Inga **Voges** *Germany, AEPC/EACVI*

Almudena **Ortiz Garrido** *Spain, AEPC*

Francesca **Raimondi** *Bergamo, Italy AEPC AEPC/EACVI*

LOCAL COMMITTEE FTGM, MASSA, ITALY

Nadia **Assanta** *Chief of the Clinical Area*

Paolo Antonio **Del Sarto** *Chief of Cardiac Anesthesia*

Alessia **Gimelli** *FTGM, EACVI*

Vitali **Pak** *Chief of Pediatric and Congenital Heart Surgery*

Giuseppe **Santoro** *Chief of the Department, Pediatric and Congenital Interventionalist*

VENUE

Tuscany Region-National Research Council, Monasterio

via G. Moruzzi 1, 56124 Pisa

REGISTRATION FEES (VAT included)

	until 31/01/2025	from 01/02/2025
Senior (> 35 years)	€ 300,00	€ 400,00
Senior (> 35 years) Member AEPC/EACVI/SIPC/SIECVI	€ 225,00	€ 325,00
Junior (<35years)	€ 175,00	€ 225,00
Junior (< 35 years) Member AEPC/EACVI/SIPC/SIECVI	€ 135,00	€ 185,00
Social Dinne March 13 th	€ 80,00	€ 80,00

For info regarding registration and scientific program, please visit:

www.symposiacongressi.com/echocardiography-pisa-25/

ORGANIZING SECRETARIAT

SYMPOSIA | We care
ORGANIZZAZIONE CONGRESSI

Symposia Organizzazione Congressi Srl

Piazza Campetto, 2/8 - 16123 Genova

T +39 010 255146

E symposia@symposiacongressi.com

W www.symposiacongressi.com

Pisa, 13-14 March 2025

