

# HEREDITARY CARDIOVASCULAR DISEASES 9<sup>th</sup> edition



## HEREDITARY CARDIOVASCULAR DISEASES

Course organized by the Romanian Society of Cardiology

Endorsed by the European Reference Network GUARD-Heart

March 20-22, 2025

Online (all times expressed as CET, ie GMT+1)

Course directors: Ruxandra Jurcut, Elena Arbelo, Iacopo Olivotto, Bogdan A. Popescu

Thursday, March 20<sup>th</sup> 2025

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**12.45-13.00 Welcome** (Ruxandra Jurcut, Bogdan A. Popescu)

**13-14.30 Session 1 - Genetic testing in cardiology – the why, the when, the how**

**Chairpersons:** Adela Chirita Emandi (Romania), Kalliope Pilichou (Italy)

- 13-13.15 Genetic counselling – Jodie Ingles (Australia)
- 13.15-13.30 Choosing the right test – panels, WES, WGS? – Adela Chirita Emandi (Romania)
- 13.30-13.45 What genes to test in cardiomyopathies – Kalliope Pilichou (Italy)
- 13.45-14.00 What genes to test in channelopathies – Oscar Campuzano (Spain)
- 14.00-14.15 Are we ready for polygenic risk scores? – Rafik Tadros (Canada)
- Discussions

**14.30-16.00 Session 2 - Dilated and non-dilated LV cardiomyopathy**

**Chairpersons:** Juan Pablo Kaski (UK), Amin Ahmad (Netherlands)

- 14.30-14.40 Case presentation – Sebastian Onciul (Romania)
- 14.40-14.55 Imagenetics – what does it mean? – Alexandros Protonotarios (UK)
- 14.55-15.10 Arrhythmic risk stratification in DCM/NDLVC – Pablo Garcia Pavia (Spain)
- 15.10-15.30 DCM/NDLVC in the pediatric population – what are the specific concerns? – Juan Pablo Kaski (UK)
- 15.30-15.45 Lamin A/C cardiomyopathy under focus – Amin Ahmad (Netherlands)
- Discussions

**16.00-17.30 Session 3 – Hypertrophic cardiomyopathy**

**Chairpersons:** Roberto Barriales-Villa (Spain), Iacopo Olivotto (Italy), Bogdan A. Popescu (Romania)

- 16-16.15 HCM – a new era – Perry Elliott (UK)
- 16.15-16.30 Multimodality imaging – an update – Monica Rosca (Romania)
- 16.30-16.45 Therapeutic choices – invasive – still a place? – Eduardo Quintana (Spain)
- 16.45-17.00 Therapeutic choices – pharmacologic – all we need? – Iacopo Olivotto (Italy)
- 17.00-17.15 Atrial fibrillation in HCM – from risk to therapeutic particularities – Roberto Barriales-Villa (Spain)
- Discussions

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## 17.30-19.00 Session 4 – Arrhythmogenic cardiomyopathy

**Chairpersons:** Elena Arbelo (Spain), Alexandros Protonotarios (UK)

- 17.30-17.45 Clinical cases with a twist – Robert Adam (Romania)
- 17.45-18.00 Multimodality imaging for ARVC – Kristina Haugaa (Norway)
- 18.00-18.15 ARVC risk evaluation – Julie Cadrin Tourigny (Canada)
- 18.15-18.30 Is DSP cardiomyopathy a specific entity? – Alessio Gasperetti (USA)
- Discussions

## Friday, March 21<sup>st</sup> 2025

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## 12-13.30 Session 1 – Other cardiomyopathies

**Chairpersons:** Radu Sascau (Romania), Katarzyna Mizia-Stec (Poland)

- 12.00-12.15 Restrictive cardiomyopathy – Eloisa Arbustini (Italy)
- 12.15-12.30 Neuromuscular diseases – Ruxandra Jurcut (Romania)
- 12.30-12.45 MELAS syndrome – Alessandro di Toro (Italy)
- 12.45-13.00 Fabry cardiomyopathy – Elena Biagini (Italy)
- 13.00-13.15 Cardiac sarcoidosis – a great mimicker – Robert Sepp (Hungary)
- Discussions

## 13.30-15.00 Session 3 – Sports and inherited cardiovascular conditions

**Chairpersons:** María Sanz (Spain), Michael Papadakis (UK)

- 13.30-13.45 Clinical cases - Mihnea Casian (Romania)
- 13.45-14.05 ECG in athletes – what is known, what is new? – Gherardo Finocchiaro (UK)
- 14.05-14.25 HCM and sports activity: what is allowed? How much is too much? - Michael Papadakis (UK)
- 14.25-14.45 Sports activity in channelopathies – Silvia Casteletti (Italy)
- Discussion

## 15.00-16.30 Session 2 - Cardiac amyloidosis

**Chairpersons:** Ruxandra Jurcut (Romania), Olivier Lairez (France)

- 15.00-15.15 Clinical case – Mariana Gospodinova (Bulgaria)
- 15.15-15.30 Risk stratification in cardiac amyloidosis – Gabriela Neculae (Romania)
- 15.30-15.50 Pathogenic therapies – now and in the future – Thibaud Damy (France)
- 15.50-16.10 General cardiac therapies in amyloidosis – Olivier Lairez (France)
- Discussions

## 16.30-18.00 Session 4 – Channelopathies

**Chairpersons:** Georgia Sarquella-Brugada (Spain), Radu Vătășescu (Romania)

- 16.30-16.45 Long QT syndrome – from ECG to risk stratification - Lia Crotti (Italy)
- 16.45-17.00 Brugada syndrome risk stratification and management – Elena Arbelo (Spain)
- 17-17.15 CPVT – Giulio Conte (Switzerland)

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- 17.15-17.30 Channelopathies in children – what we should know? – Georgia Sarquella Brugada (Spain)
- 17.30-17.45 Epilepsy and cardiac arrhythmias – Diana Barca (Romania)
- Discussions

## Saturday, March 22<sup>nd</sup> 2025

### 9-10.30 Session 1 – Genetic vascular diseases – the nuts and bolts

**Chairpersons:** José F Rodríguez Palomares (Spain), Julie de Backer (Belgium)

- 9.00-9.20 Imaging the aorta – Monica Dobrovie (Romania)
- 9.20-9.40 Marfan syndrome – Maite Tome (UK)
- 9.40-10.00 Loeys Dietz syndrome and other aortopathies - Julie de Backer (Belgium)
- 10.00-10.20 Genetic testing in non-syndromic aortic disease - when and what? - José F Rodríguez Palomares (Spain)
- Discussions

### 10.30-12.15 Session 2 – Clinical cases with a twist

**Chairpersons:** Iacopo Olivotto (Italy), Elena Arbelo (Spain), Ruxandra Jurcut (Romania)

*Each case presentation: 8 minutes presentation and 5 minutes discussions*

- Hypertrophic cardiomyopathy - Alessia Argirò (Italy)
- Nondilated LV cardiomyopathy – Mariana Brandao (Portugal)
- ARVC - Esther Scheirlynck (Belgium)
- Long QT syndrome – Cristina Vacaescu (Romania)
- Brugada syndrome – Steliana Paja (Romania)
- CPVT – Andrea Greco (Spain)
- Sudden cardiac death in an athlete – Alix Lambrecht (Netherlands)
- Fetal Long QT syndrome - Andreea Afana (Romania)
- Rare aortic disease – Alexandra Apostu (Romania)

### 12.15-13.30 Session 3 – Sudden cardiac death in the young

**Chairpersons:** Jacob Tfelt-Hansen (Denmark), Elena Arbelo (Spain)

- 12.15-12.30 Is this an important topic? Epidemiologic overview – Bo Gregers Winkel (Denmark)
- 12.30-12.45 Pathology in SCD in the young – Mary Sheppard (UK)
- 12.45-13.00 Molecular autopsy – when is it needed? – Jacob Tfelt-Hansen (Denmark)
- 13.00-13.15 The Lancet commission – Eloi Marijon (France)
- Discussion

**13.30-13.45 Closing remarks** (Ruxandra Jurcut, Elena Arbelo, Iacopo Olivotto, Bogdan A. Popescu)