

ATHENS CMR LEVEL 1-2

WEB SCIENTIFIC EVENT

2026

SATURDAY 3/10
SUNDAY 4/10

MONDAY 5/10
*ONE DAY DEDICATED TO
CARDIORHEUMATOLOGY*

Organized by:

- **Greek College of Clinical Applications of Cardiovascular Magnetic Resonance "CARDIOTOMI"**
- **First Cardiology Clinic, National Kapodistrian University of Athens**

Organized by



Under the Auspices of the

Greek Rheumatology Society



GREEK RHEUMATOLOGY SOCIETY
& PROFESSIONAL ASSOCIATION OF RHEUMATOLOGISTS (ERE-EPERE)

Hellenic Cardiological Society



Endorsed by



EACVI
European Association of
Cardiovascular Imaging



The ATHENS CMR Level 1 is accredited by
the European Board for Accreditation in
Cardiology (EBAC) with **31 CMEs**

INVITED FACULTY

ABBATE A. Professor of Cardiology, University of Virginia, USA

ADAMOPOULOS S. Cardiologist, Advisor, Onassis Hospital, Athens GR

AGGELI C. Professor of Cardiology, Hippokration Hospital, Athens, GR

ALETRAS A. Professor of Biomedicine and Imaging Technologies, Aristotle Univeristy, Thessaloniki, GR

ANDRIKOPOULOS G. Cardiologist, Director 1st Cardiology/Electrophysiology and Pacing Department, Henry Dunant Hospital, Athens, GR

ANDROULAKIS E. Cardiologist Specializing in CMR, Royal Brompton/Harefield University Hospitals, London, UK

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- NIJVELDT R.** Professor of Cardiovascular Imaging Radboud University Hospital, Nijmegen NL
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- NOUTSIAS M.** Faculty of Medicine, Martin-Luther-University Halle-Wittenberg GE
- NTALIANIS A.** Head of the Coronary Artery Disease and Cardiomyopathy Unit Alexandra General Hospital, Athens, GR
- NTOSKAS TH.** Consultant Cardiologist, specializing in cardiac magnetic resonance and heart computed tomography, Apollonion Private Hospital, Nicosia, Cyprus, CY
- PANOPOULOS S.** Rheumatologist, Laikon Hospital, Athens, GR
- PAPANASTASIOU G.** Research Scientist in AI, Pfizer and Lead PI, at Archimedes Unit of the Athena Research Center, Athena RC, GR
- PAPAVASSILIU TH.** First Department of Medicine-Cardiology, University Medical Centre Mannheim, Medical Faculty Mannheim; Heidelberg University, GE
- PEPE A.** Radiologist and Cardiologist, Associate Professor III level Cardiovascular Imaging Coordinator Deputy Director, Institute of Radiology, Department of Medicine, University of Padua, Padova, IT
- PUSHPARAJAH K.** Clinical Reader in paediatric cardiology, in the School of Biomedical Engineering & Imaging Sciences at King's College, London, UK
- SABET A.** Assistant Clinical Professor, Director, Advanced Cardiac Imaging, Director Cardio-Rheumatology Program, Chair American Society echocardiography SIG: Inflammatory Myocardial & Pericardial Disease, Leader, AHA Initiative in Recurrent Pericarditis, Mary and Steve Wen Cardiovascular Division, UC Irvine School of Medicine, California, USA
- SARRI G.** Cardiologist, Cardiology Department, Hippokraton Hospital, Athens, GR
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- SEYFARTH M.** Institute for Artificial Intelligence in Cardiovascular Medicine Department of Cardiology, Angiology, Pneumology, Heidelberg University Hospital, Heidelberg, Germany, and the Heidelberg Faculty of Medicine, Heidelberg University, Heidelberg, GE
- SIERRA-GALAN L.** Head of Cardiology, Santa Fe Campus of the American British Cowdray Medical Center. Mexico City, MX
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- TOULOUPAKI M.** Cardiologist, Founder & Director, MyoCardioGen Precision Center, Athens, Associate Consultant Cardiologist Hygeia Hospital, Scientific Associate, Therapeutics Clinic, National and Kapodistrian University of Athens Medical School, Athens, GR
- TOUSOULIS D.** Professor of Cardiology, University of Athens, Hippokraton Hospital, Athens, GR
- TSOUMANI Z.** Cardiologist in CV Imaging, Royal Brompton Hospital, London, UK
- VAN DER BILT I.** Cardiologist, Heart Center Haga Teaching Hospital. The Hague and Heart Center University Medical Center Utrecht, NL
- VARDAS P.** Emeritus Professor of Cardiology, University of Crete, Heart Sector, Hygeia Hospitals Group, Athens, GR
- VARTELA V.** Cardiologist, Onassis Hospital, Athens, GR
- VENETSANOPOULOU A.** Rheumatologist, Postdoctoral Researcher, Department of Biological Applications and Technology, University of Ioannina, Ioannina, GR
- VERGANELAKIS D.** Physicist Onassis Hospital, Athens, GR
- VERMEULEN M.** Product Manager, MR Medis Medical Imaging, Leiden, NL
- VIDALAKIS E.** Cardiologist, Athens Medical Center, Athens, GR
- WEBER B.** Director, Cardio-Rheumatology Clinic, Associate Physician, Prevention Cardiology and Cardiovascular Imaging, Assistant Professor I Harvard Medical School, Brigham and Women's Hospital, Boston, USA

Saturday October 3, 2026

9.00-9.05: **Welcome: S. Mavrogeni**

BASIC SCIENCE and ARTIFICIAL INTELLIGENCE COURSE **COURSE COORDINATOR A. ALETRAS** **CHAIR PERSONS: A. ALETRAS, D. VERGANELAKIS**

*Eur Heart J CVI 2021 Current use of cardiac magnetic resonance in tertiary referral centers for the diagnosis of cardiomyopathy: the **ESC EORP** Cardiomyopathy/Myocarditis Registry.*

09.05-09.35: Basic CMR physics

A. Aletras

09.35-10.05: CMR challenges and AI expectations

Th. Papavassiliu

10.05-10.35: AI contribution in CMR diagnostic queries

S.U.I.H. Dar, M. Seyfarth

10.35-10.50: **DISCUSSION**

CMR IN ISHEMIC AND NON-ISCHEMIC CARDIAC DISEASE **CHAIR PERSONS: C. AGGELI, S. MAVROGENI**

2019 Guidelines on Chronic Coronary Syndromes
ESC Clinical Practice Guidelines
 Discussion through clinical cases

10.50-11.20: Stress CMR. Qualitative and quantitative approach and comparison with PET

A. Chiribiri

11.20-11.50: T1, T2 mapping and ECV in acute-chronic ischemic and non-ischemic heart disease

R. Nijveldt

SPEED DATE WITH OS-CMR

(SPONSORED BY CEO)

11.50-12.10: Clinical implications of OS-CMR

M. Friedrich

12.10-12.30: OS-CMR in microvascular coronary artery disease

E. Hillier

12.30-12.50: OS-CMR in Patients with MEtabolic Risk but no Overt Heart Disease

K. Lindsay

12.50-13.10: OS-CMR combining brain and heart

M. Moukarzel

13.10-13.30: OS-CMR in Patients Undergoing General Anaesthesia

K. Fischer

13.30-13.50: **DISCUSSION**

13.50-14.10: **BREAK**

**INTERVENTIONAL CMR (iCMR)
DISCUSSION OF iCMR QUERIES THROUGH CLINICAL CASES
CHAIR PERSONS: :K. GATZOULIS, J.SCHWITTER, P. VARDAS**

(SPONSORED BY IMRICOR)

2022 ESC Guidelines for the management of patients with ventricular arrhythmias and the prevention of sudden cardiac death

Welcome to iCMR symposium

14.10-14.15: **S. Mavrogeni**

14.15-15.15: **M. Kemme**

VT recordings.

- i. Case Narration
 - 1. Clinical indications
 - 2. Therapy
 - 3. Technology involved (equipment)
 - 4. Anesthesia (Yes/No)
 - 5. North Star + ADAS
 - 6. Ablation workflow
 - 7. Post Procedure Scanning

15.15-16.15: **F. Laurent, V. Manenti**

AFL recording

- i. Case Narration
 - 1. Clinical indications
 - 2. Therapy
 - 3. Technology involved (equipment)
 - 4. Anesthesia (Yes/No)
 - 5. North Star + ADAS
 - 6. Ablation workflow
 - 7. Post Procedure Scanning

16.15-17.15: **I. Van der Bilt**

- i. Lab design
 - 1. Control room
 - 2. Lab room
 - 3. Emergency room
- ii. Technology involved
 - 1. Equipment description
 - 2. Software and interfaces
- iii. Team and workflow
 - 1. Clinical Objectives
 - 2. Involved Specialists
- iv. Costs/Benefits Analysis
 - 1. Business Plan
 - 2. Business Case x Procedure

17.15-17.23: Serial Cardiac Magnetic Resonance Imaging Before and After ICD Implantation in a patient with Ischaemic Cardiomyopathy
M. Kalaitzoglou

17.23-17.45: **BREAK**

17.45-18.45: **J. Schwitter**

- i. Closer look at channels in scars to identify substrate for abla
 - 1.. Post infarction coronary diseases patients
 - 2. Cardiomyopathies

18.45- 19.15: The Greek experience

G. Andrikopoulos

19.15-19.45: CMR scar vs CARTO

P. Koudounis

19.45-20.15: CMR safety issue. CMR in Patients with Cardiac Devices

A. Lupi

20.15:-20.45: QUESTIONS AND ANSWERS

P. Dilaveris

A. Kostopoulou

K. Letsas

Sunday October 4, 2026

CMR IN NONISCHEMIC CARDIOMYOPATHIES / VALVULAR DISEASES/HEART FAILURE

CHAIR PERSONS: S. ADAMOPOULOS, M. NOUTSIAS

2021 Diagnosis and treatment of cardiac amyloidosis: a position statement of the ESC Working Group on Myocardial and Pericardial Diseases
2021 ESC Guidelines for the Diagnosis and Treatment of Acute and Chronic Heart Failure: The "Ten Commandments"

09.00-09.30: CMR in Myocarditis

K. Mitrousi

09.30-10.00: CMR in Dilated Cardiomyopathy

Z. Tsoumani

10.00-10.30: Arrhythmogenic Cardiomyopathy

A. Christidi

10.30-11.00: CMR in Athletes. The T2 positivity challenge

I. Kylintireas

11.00-11.30: CMR in valvular diseases

M. Kolentinis

11.30-12.00: CMR in cardiac hypertrophy. The challenge of tissue characterization

T. Ntoskas

12.00-12.30: CMR in Heart failure with and without reduced LV ejection fraction

E. Vidalakis

12.30-12.45: **DISCUSSION**

12.45-13.15: How to perform basic+advanced CMR measurements (personal training).
 Clinical cases analysed using MEDIS protocols

Coordinators: M. Vermeulen, G. de Waard

13.15-14.00: **BREAK**

CMR IN INFLAMMATORY/SYSTEMIC DISEASES

CHAIR PERSONS: C. AGGELI, A. NTALIANIS, D. TOUSOULIS

2015 ESC Guidelines for the diagnosis and management of pericardial diseases: The Task Force for the Diagnosis and Management of Pericardial Diseases of the European Society of Cardiology (ESC) Endorsed by: The European Association for Cardio-Thoracic Surgery (EACTS).

14.00-14.30: CMR in thalassemia

A. Pepe

14.30-15.00: CMR in cardio-oncology

D. Maragiannis

15.00-15.30: CMR in neuromuscular disorders

G. Chatzantonis

15.30-16.00: New perspectives of CMR in female diseases

L. Sierra-Galan

16.00-16.15: **DISCUSSION**

16.15-16.30: **BREAK**

MR IN CONGENITAL HEART, PULMONARY HYPERTENSION, TUMORS

COURSE COORDINATOR: K. PUSHPARAJAH

CHAIR PERSONS: C. LASKARI, E. NAKOU, K. PUSHPARAJAH

2020 ESC Clinical Practice Guidelines for the management of adult congenital heart disease

16.30-17.00: Cardiac masses and tumors in children

C. Laskari

17.00-17.30: CMR for pediatric congenital heart diseases. Interaction of echo-CMR

M. Skarlatoudi

17.30-18.00: Complementary role of echo-CMR-invasive approach in congenital heart diseases/pulmonary hypertension

K. Pushparajah

18.00-18.30: CMR in growing up congenital heart diseases. Advantages/limitations of Echo and CMR.

E. Nakou

18.30-18.45: **DISCUSSION**

18.45-19.00: **BREAK**

“The great party of CLINICAL CASES”

CHAIRPERSONS: C. AGGELI, S. MAVROGENI

19.00-19.15: **G. Sarri**

19.15-19.30: **A. Boulmpou**

19.30-19.45: **C. Karamarkou**

19.45-20.00: **V. Vartela**

20.00-20.15: **M. Touloupaki**

20.15-20.30: **E. Nikolou**

20.30-20.45: **E. Nakou**

Monday October 5, 2026

CARDIO-RHEUMATOLOGY COURSE

2022 Cardiovascular magnetic resonance in autoimmune rheumatic diseases: a clinical consensus document by the European Association of Cardiovascular Imaging

Endorsed by Hellenic Society of Cardiology, Greek Society of Rheumatology and World Scleroderma Foundation

9.00-09.05: **Welcome**
S. Mavrogeni

CARDIO-RHEUMATOLOGY: DO WE REALLY NEED IT? CHAIR PERSONS: C. AGGELI, G. KATSIFIS

09.05-09.30: Role of inflammation in macro and micro-vascular coronary artery disease
G. Kitas

09.30-10.00: Blood biomarkers in the evaluation of CVD in ARDs
S. Panopoulos

10.00-10.30: Advantages and limitations of ECHO in the evaluation of ARDs
L. Gargani

10.30-10.45: **DISCUSSION**

10.45-11.00: **BREAK**

AUTOIMMUNE DISEASES WITH CARDIOVASCULAR INVOLVEMENT SLE-APS CHAIR PERSONS: D. KLETTAS, C. MAVRAGANI

11.00-11.30: The rheumatologist point of view
M. Manoussakis

11.30-12.00: The cardiologist point of view
B. Weber

12.00-12.15: **DISCUSSION**

12.15-12.30: **BREAK**

AUTOIMMUNE ARTHRITIDES CHAIR PERSONS: S. PANOPOULOS, A. PEPE

12.30-13.00: The rheumatologist point of view in Rheumatoid arthritis
G. Katsifis

13.00-13.30: The rheumatologist point of view in seronegative arthritis
K. Klavdianou

13.30-14.00: The cardiologist point of view in autoimmune arthritis
I. Ikonomidis

SYSTEMIC SCLEROSIS-MYOSITIS**CHAIR PERSONS: C. MIHAI, A. SABET**

- 14.00-14.30: The rheumatologist point of view in SSc
M. Matucci-Cerinic
- 14.30-15.00: The rheumatologist point of view in myositis
N. Marketos
- 15.00-15.15: The cardiologist point of view in SSc and myositis
S. Mavrogeni
- 15.15- 15.30: **DISCUSSION**
- 15.30-15.45: **BREAK**

VASCULITIS**CHAIR PERSONS: C. BRATIS, A. VENETSANOPOULOU**

- 15.45-16.15: The rheumatologist point of view
A. Venetsanopoulou
- 16.15-16.45: The cardiologist point of view
A. Sabet
- 16.45-17.15: Kawasaki disease and coronary angiography. CT vs CMR
E. Androulakis
- 17.15-17.45: Myocardial perfusion in Kawasaki disease
C. Bratis
- 17.45-18.00: **DISCUSSION**

CARDIOVASCULAR IMAGING IN CARDIORHEUMATOLOGY**CHAIR PERSONS: C. AGGELI, M. HINCHCLIFF**

- 18.00-18.30: Advanced Cardiovascular Imaging in autoimmune rheumatic diseases
A. Feher
- 18.30-19.00: CMR vs PET in Cardio-Rheumatology
J. Lima
- 19.00-19.30: How to use imaging to assess cardiovascular pathophysiology in autoimmune rheumatic diseases
A. Abbate

“The long day’s journey into night”**LEARNING CARDIO-RHEUMATOLOGY THROUGH CARDIOVASCULAR IMAGING****CHAIR PERSONS: S. MAVROGENI, J. SCHWITTER**

- 19.30-19.45: **J. Kim**
- 19.45-20.00: **M. Hinchcliff**
- 20.00-20.15: **T. Dimitroulas**
- 20.15-20.30: **C. Staveri**
- 20.30-20.45: **DISCUSSION**
- 20.45-21.00: **Closing remarks**
S. Mavrogeni

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Program Length: 31 hours, 6 min.