



**GREEK COLLEGE OF CLINICAL
APPLICATIONS OF
CARDIOVASCULAR MAGNETIC RESONANCE
“CARDIOTOMI”**

**First Cardiology
Clinic, National Kapodistrian University of
Athens
&
Hellenic Cardiological Society**

**WEB SCIENTIFIC EVENT
ATHENS CMR LEVEL 1-2**

October 4-6, 2025

WEB EVENT

INVITED FACULTY

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

ADAMOPOULOS S. Advisor, Onassis Hospital, Athens GR

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

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

ANDRIKOPOULOS G. Cardiologist, Director A' Cardiology Department, Errikos Dynan Hospital, Athens, GR

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

BENETOS G. Cardiologist, Athens, GR

BRATIS C. Consultant Cardiologist, Manchester University NHS Foundation Trust, Manchester, UK

CHATZANTONIS G. Cardiologist, Athens Medical Center, Athens, GR

CHIRIBIRI A. Professor in Cardiovascular Imaging and Consultant Cardiologist London, UK

CHRISTIDI A. Cardiologist, Euromedica General Clinic, CMR Unit, Thessaloniki, GR.

DANIAS P. Attending Cardiologist, Director, Cardiac MR Center, Hygeia Hospital, Athens, GR

DAOUSSIS D. Associate Professor, Department of Internal Medicine, Division of Rheumatology, University Hospital of Patras Rion, Patras, GR

DE LUCA G. Rheumatologist, Assistant Professor, Vita-Salute San Raffaele University, San Raffaele Hospital, Milan, IT

DE WAARD G. Cardiologist at Radboudumc in Nijmegen, NL

DIMITROULAS TH. Assistant Professor of Rheumatology Medical School of Aristotle University of Thessaloniki, Thessaloniki, GR

FEHER A. Assistant Professor of Cardiovascular Medicine and Radiology & Biomedical Imaging, Yale University School of Medicine, New Haven, CT

FRIEDRICH M. Cardiologist, Professor, Departments of Medicine and Diagnostic Radiology, McGill University, Scientific Director, Courtois Cardiovascular Signature Centre, Montreal, CA

GARGANI L. Cardiologist and Researcher of the University of Pisa, Pisa, IT

GAROT J. Associate Professor, Head of Cardiovascular MR, ICPS, JACQUES CARTIER PRIVATE HOSPITAL, Massy, FR

GOTTE M. Cardiologist, Director interventional Cardiac MRI program, Cardio research Unit, Dept. of Cardiology, Amsterdam, NL

HILLIER E. Research Associate, McGill University Health Centre, Resident Physician, Internal Medicine, University of Alberta, Alberta, CA

IKONOMIDIS I. Professor of Cardiology, Director of Echocardiography and the Laboratory of Preventive Cardiology, 2nd Cardiology Department National and Kapodistrian University of Athens, Attikon Hospital, Athens, GR

ILIODROMITIS K. Consultant in the Clinic for Cardiology & Electrophysiology Evangelical Hospital Hagen-Haspe, GE

KATSIFIS G. Rheumatologist, Director and Chief, Rheumatology Clinic, Naval Hospital of Athens, Athens, GR

- KITAS G.** Professor of Rheumatology, Hygia Hospital, Athens, GR
- KLETTAS D.** Cardiologist, Hippokrateion Hospital, Athens, GR
- KOLENTINIS M.** Cardiologist, Cardiac Imaging/CMR specialist, Athens Medical Center and Iatropolis SA, Athens, GR
- KOSTOPOULOU A.** Deputy Director Cardiology, Onassis Hospital, Athens GR
- KOURTIDOU T.** Pediatric cardiology consultant, Onassis Hospital, Athens, GR
- KYLINTIREAS I.** Consultant Cardiologist , United Lincolnshire Hospitals, UK
- LASKARI C.** Pedokardiologist, Mitera Children's Hospital, Athens, GR
- LUPI A.** Radiologist, Institute of Radiology, Department of Medicine, University of Padua, Padova, IT
- MANGINAS A.** Director Dept of Cardiology and Interventional Cardiology, Mediterraneo Hospital, Athens, Athens, GR
- MANOUSAKIS M.** Professor of Rheumatology, University of Athens, Athens, GR
- MARAGIANNIS D.** Chief, Division of Cardiovascular Imaging, Director, Cardiovascular MRI Laboratory, 401 General Military Hospital of Athens, GR
- MATUCCI-CERINIC M.** Professor of Rheumatology at the University Vita Salute University San Raffaele, Milano, IT
- MAVRAGANI C.** Rheumatologist, Assistant Professor Medical School of EKPA, Athens, GR
- MAVROGENI S.** Cardiologist, National and Kapodistrian University of Athens , Athens, GR
- MITROUSI K.** Consultant Cardiologist specialised in Cardiovascular MRI and CT, Interbalkan Medical Center, Thessaloniki, GR
- MUTHURANGU V.** Professor of Cardiovascular Imaging and Physics, London, UK
- MUKHERJEE M.** Associate Professor of Medicine, Johns Hopkins University Division of Cardiology Baltimore, USA
- NAKOU E.** Consultant Cardiologist in Inherited Cardiac Conditions and CMR, Lead for Inherited Cardiac Conditions Service in SW UK (Peninsula), Senior Clinical Lecturer, St George's University of London, London, UK.
- NIJVELDT R.** Professor of Cardiovascular Imaging Radboud University Hospital, Nijmegen NL
- 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, Mediterranean Hospital of Cyprus, Limassol, CY
- NOUSIAS M.** Faculty of Medicine, Martin-Luther-University Halle-Wittenberg GE
- NTUSI N.** Cardiologist, professor of medicine, chair and head of medicine at the University of Cape Town (UCT) and Groote Schuur Hospital (GSH), Cape Town, SA
- NURMOHAMED M.** Professor of Rheumatology, Amsterdam Rheumatology & immunology Center, Amsterdam, NL
- PANOPOULOS S.** Rheumatologist, Laikon Hospital, Athens, GR
- PAPANASTASIOU G.** Senior Manager, AI Algorithms at Pfizer" Thessaloniki, GR; and "Lead PI, at Archimedes Unit of the Athena Research Centre", Athens, GR
- 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
- PETROPOULOU S.** Cardiologist, National Kapodistrian University of Athens, Euromedica Group, Athens, GR

PUSHPARAJAH K. Clinical Reader in paediatric cardiology , in the School of Biomedical Engineering & Imaging Sciences at King's College, London, UK

RUTZ T. Medical Senior Lecturer, Privat-Docent, Senior Registrar, University of Lausanne, CH

SARRI G. Cardiologist, Cardiology Department, Hipporotion Hospital, Athens, GR

SCHWITTER J. Médecin Chef Cardiologie, Directeur du Centre de la RM Cardiaque du CHUV, Centre HospitalierUniversitaire Vaudois Lausanne CH

SIERRA-GALAN L. Head of Cardiology, Santa Fe Campus of the American British Cowdray Medical Center. Mexico City, MX

STAVERI CH. Consultant, Division of Rheumatology, Patras University Hospital, Patras GR

TOUSOULIS D. Professor of Cardiology, University of Athens, Hippokration Hospital, Athens,GR

TSOUMANI Z. Cardiologist in CV Imaging, Royal Brompton Hospital, London, UK

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, School of Health Sciences, Faculty of Medicine, University of Ioannina, Ioannina, GR

VERGANELAKIS D. Physicist,Onassis Hospital, Athens, GR

VERMEULEN M. Product Support Specialist Ultrasound & MR Medis Medical Imaging Systems, 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

ZHANG M. CHUV / University of Lausanne (UNIL), Switzerland, Lausanne, CH

Saturday October 4, 2025

9.00-9.05: Welcome
S. Mavrogeni

BASIC SCIENCE COURSE

COURSE COORDINATOR A. ALETRAS

CHAIR PERSONS: D. VERGANELAKIS, A. ALETRAS

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

09.05-09.45 Basic CMR physics
A. Aletras

09.45-10.30: Mapping techniques. Luxury or real clinical need?
G. Papanastasiou

10.30-10.45: DISCUSSION

CMR IN CORONARY ARTERY / VASCULAR DISEASE AND CARDIAC REMODELLING

CHAIR PERSONS: I. IKONOMIDIS A. MANGINAS

□ *2019 Guidelines on Chronic Coronary Syndromes*

□ *ESC Clinical Practice Guidelines*

Discussion through clinical cases

10.45-11.15: Stress CMR. Qualitative and quantitative approach
A. Chiribiri

11.15-11.45: T1, T2 mapping and ECV in ischemic and non-ischemic heart disease
R. Nijveldt

11.45-12.15: CMR vs other imaging modalities in the evaluation of coronary artery disease
E. Vidalakis

12.15-12.45: CMR Assessment of Heart and Brain Vascular Function in Metal Disorders - Preliminary Results
M. Friedrich

12.45-13.15: CMR of the coronary arteries in aneurysmatic / ectatic coronary artery disease
M. Androulakis

13.15-13.45: Function-perfusion and tissue characterization in aneurysmatic / ectatic coronary artery disease
C. Bratis

13.45-14.00: DISCUSSION

14.00-14.25: BREAK

Interventional CMR (iCMR)
CHAIR PERSONS: P. VARDAS-J.SCHWITTER

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



Discussion of iCMR queries through clinical cases

Welcome to iCMR symposium

14.25-14.30: S. Mavrogeni

14.30-18.30 Session 1

14.30-15.00: Interesting case – Flutter ablation

J. Garot

15.00-15.30: Overview of a large case series

J. Schwitter/ Your EPI person

15.30-16.00: Catheter imaging vs active tracking

M. Gotte

16.00-16.30: Athens' experience

G. Andrikopoulos

16.30-17.00: Simulator

J.Schwitter

17.00-17.30: Live simulator demonstration

17.30-18.00: CMR Scar calculation

A. Lupi

18.00-18.30 MRI-guided biopsy. When, how, why?

D. Kraitchman

18.30-21.30 Session 2

18.30-19.00: CMR right heart catheter

V.Muthurangu

19.00-19.30: Pulm pressure: invasive or non-invasive ?

T. Rutz

19.30-20.00: Cath tip imaging

M. Zhang

20.00-20.30: What is next in EP: transseptal and ventricles

M. Gotte

20.30-21.00: Heart beat in the Magnet: A New Era for Pacemaker Patients

Petropoulou S.

21.00-21.30: QUESTIONS AND ANSWERS:

K. Iliodromitis

A. Kostopoulou

Sunday October 5, 2025

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

Z. Tsoumani

09.30-10.00: CMR in Dilated Cardiomyopathy

K. Mitrousi

10.00-10.30: CMR in Athletes

P. Danias

10.30-11.00: Arrhythmogenic Cardiomyopathy

A. Christidi

11.00-11.30: CMR in valvular diseases

M. Kolentinis

11.30-12.00: CMR in cardiac hypertrophy. Differential diagnosis

T. Ntoskas

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

D. Maragiannis

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: A. NTALIANIS, C. AGGELI, 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

I. Kylintireas

15.00-15.30: CMR in neuromuscular disorders

G. Chatzantonis

15.30-16.00: CMR in female diseases

I. 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 when Echo is limited

T. Kourtidou

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

K. Pushparajah

18.00-18.30: CMR in growing up congenital heart disease. Is it really necessary?

E. Nakou

18.30-18.45: DISCUSSION

18.45-19.00: BREAK

“The great party of CLINICAL CASES”

CHAIR PERSONS: S. MAVROGENI, C. AGGELI

19.00-19.30: G. Sarri

19.30-20.00: V. Vartela

20.00-20.30: D. Vidalakis

20.30-21.00: E. Nakou

Monday October 6, 2025

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

9.00-9.05 : Welcome
S. Mavrogeni

Cardio-rheumatology: Do we really need it?
Chair persons: G. Katsifis- C.Aggei

9.05-9.30: Atherosclerosis in autoimmune rheumatic diseases
G. Kitas

9.30-10.00: IL-1 inflammasome pathway in Cardiovascular disease
A.Abbate

Biomarkers and Cardiac imaging in autoimmune rheumatic diseases
Chair persons: G. Benetos, D. Klettas

10.00-10.30: Biomarkers and basic Cardiac Imaging in autoimmune rheumatic diseases
L. Gargani

10.30-11.00: Advanced Cardiac Imaging in autoimmune rheumatic diseases
A. Feher

11.00-11.30: OS CMR in COVID and autoimmune rheumatic diseases
E. Hillier

Autoimmune diseases with cardiovascular involvement
SLE-APS

Chair persons: D. Klettas, C. Mavragani

11.30-12.00: The rheumatologist point of view
Ch. Staveri

12.00- 12.30: The cardiologist point of view
B. Weber

12.30-12.45: DISCUSSION

12.45-13.00: BREAK

Cardiac involvement in inflammatory arthritis
Chair persons: S. Panopoulos, A. Pepe

13.00-13.30: The rheumatologist point of view in Rheumatoid arthritis
M. Nurmohamed

13.30-14.00: The rheumatologist point of view in seronegative arthritis
A. Venetsanopoulou

14.00-14.30: The cardiologist point of view in autoimmune arthritis

I. Ikonomidis

Systemic sclerosis –Myositis

Chair persons: T. Dimitroulas-I. Ikonomidis

14.30-15.00: The rheumatologist point of view

M. Matucci-Cerinic

15.00-15.30: The cardiologist point of view

S. Mavrogeni

15.30-15.45: DISCUSSION

15.45-16.00: BREAK

Vasculitis

Chair persons: A. Venetsanopoulou-C.Bratiss

16.00-16.30: The rheumatologist point of view

G de Luca

16.30-17.00: The cardiologist point of view

N. Ntusi

17.00-17.15: DISCUSSION

“The long day’s journey into night”

Learning Cardio-Rheumatology through Cardiovascular imaging

Chair persons: S. Mavrogeni-J. Schwitter

17.15-17.35: M. Mukherjee

17.35-17.50: D. Daoussis

17.50-18.10: T. Dimitroulas

18.10-18.30: DISCUSSION

HOW TO ORGANIZE AN INTERNATIONAL Cardio-Rheumatology Education

Chair persons: M. Manousakis-A. Abbate

18.30-18.45: A. Abbate

18.45-19.00: T. Dimitroulas

19.00-19.15: S. Mavrogeni

19.15-19.30: M. Manousakis

19.30-19.45: J. Schwitter

19.45-20.15: DISCUSSION

20.15-20.30: Closing remarks

S. Mavrogeni

ORGANIZING COMMITTEE

MAVROGENI S.
AGGELI K.
ALETRAS A.
ANDROULAKIS E.
BRATIS K.
KITAS G.
KOURTIDOU T.
LASKARI C.
NAKOU E.
NIJVELDT R.
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ΔΙΑΡΚΕΙΑ ΠΡΟΓΡΑΜΜΑΤΟΣ 33,15 ΩΡΕΣ