

EuroCMR 2014

Wien ~ Vienna ~ Austria
15.-17.Mai ~ May 15 -17

MAIN SESSIONS

Basic Course | How to do CMR 1

Francisco Alpendurada	Chair
Ana Almeida	Chair
Redha Boubertakh	Principles of CMR physics: from proton to image
Stefan Piechnik	CMR sequences made easy
John Greenwood	Specific challenges and solutions for CMR at 3 Tesla
	Questions
Ana Almeida	How to do -biventricular function
Philip Kilner	How to do- myocardial deformation: tagging, encoding and feature tracking approaches
	Questions
Raad Mohiaddin	How to do-good flow and valve imaging
Matthias Gutberlet	How to do- angiography (aorta, PV) and coronary imaging
	Questions

Coffee Break

Basic Course | How to do CMR 2

Oliver Bruder	Chair
Bernhard Gerber	Chair
Alberto Roghi	How to do-good late gadolinium enhancement
Christina DeLuigi	How to do- dobutamine stress CMR
Mark Westwood	How to do - adenosine stress CMR
	Questions
Martin Ugander	How to do- T1 mapping
Daniel Messroghli	How to do -edema imaging
Redha Boubertakh	How to - run a faster scan
	Questions

INDUSTRY FORUM & Lunch

Advanced Course (Acquired) | CMR in clinical practice - Typical referrals

Christina DeLuigi	Chair
Ingo Eitel	Chair
Theo Karamitsos	A patient with suspected or known coronary artery disease
Oliver Bruder	A patient with new onset heart failure
Ingo Eitel	A patient with acute coronary syndrome
	Questions
Francisco Alpendurada	A patient with left ventricular hypertrophy
Florian von Knobelsdorff	A patient with arrhythmia
Marco Francone	A patient with a cardiac mass
	Questions

Coffee Break

THURSDAY MAY 15

09:00-11:00 T1 Mapping Session I

Opening Remarks
Clinical Scenarios where T1-mapping makes sense
ECV for imaging myocardial infarction
The impact of focal scarring on the total fibrotic burden in ischaemic and non-ischaemic cardiomyopathies by T1-mapping
T1-mapping and ECV as an outcome predictor – latest results
The value of T1-mapping in assessing myocardial iron overload in comparison to conventional T2* imaging and T2* mapping

11:00-11:45

Coffee Break

11:45-13:30

T1 Mapping Session II

Identifying artefacts on T1-mapping - R2 maps and beyond
Advance applications of T1-mapping in myocarditis
T1-mapping in the differential diagnosis of LV hypertrophy
T1-mapping in rheumatological diseases
Discussion: (When) Shall we update the T1 Consensus Statement?
Future Directions/Closing remarks

13:30-14:30

INDUSTRY FORUM & Lunch

14:30-16:00

Advanced Course | (Congenital)

Jointly organized with ESC WG GUCH&EAPC

State of the art protocols for congenital heart disease
When to refer the GUCH patient to CMR
Questions
Intracardiac shunts
Disease of the aorta
New Frontiers in anatomical imaging
Questions

16:00-16:45

Coffee Break

Program. Subject to change | v280414

PARALLEL SESSIONS

Chair	Martin Ugander
	Martin Ugander
	Daniel Messroghli
	Ananth Kidambi
	Christopher Miller
	Erik Schelbert
	Alberto Roghi

Chair	Erik Schelbert
	Stefan Piechnik
	Vanessa Ferreira
	James Moon
	Valentina Puntmann
	James Moon

Chair	Emanuela Valsangiacomo
Chair	Gerald Greil
	Sohrab Fratz
	Pedro Trigo-Trindade
	Oliver Tann
	Vivek Muthurangu
	Jürg Schwitter

Industry Sponsored Symposium | MEDTRONIC
All you need to know about MRI in patients with implantable cardiac devices

Chiara **Bucciarelli-Ducci**

Chair

Torsten **Sommer**

Chair

Torsten **Sommer**

Introduction: Definitions, importance of MRI, risks and benefits

Marco **Götte**

How to scan a non-MRI conditional device

Jürg **Schwitzer**

MRI conditional devices: Design, testing and clinical experience

Luca **Santini**

Case Studies

Discussion

Keynote Lecture

Stefan **Neubauer**

CMR in the next 10 years - what are the game changers?

16:45-18:30

Advanced Course | (Congenital)

Jointly organized with ESC WG GUCH&EAPC

Chair

Chair

Tetralogy of Fallot

Transposition of the great arteries

Single ventricle physiology

Questions

Anomalous origin of coronaries and Kawasaki

Right compared with left ventricular structure and function

CMR assessment of pulmonary hypertension in GUCH

Questions

Vivek **Muthurangu**

Pedro **Trigo-Trindade**

Gerald **Greil**

Emanuela **Valsangiacomo**

Wim **Helbing**

Gerald **Greil**

Philip **Kilner**

Vivek **Muthurangu**

18:30-19:00

MAIN SESSIONS

Welcome address

Herbert Frank	Welcome from local host
Patrizio Lancellotti	EACVI
Sven Plein	
Chiara Bucciarelli-Ducci	EuroCMR 2014 - what's new

Opening Plenary | Sudden Death Risk Stratification by CMR

Heiko Mahrholdt	Chair
Patrizio Lancellotti	Chair
William McKenna	Role of CMR in HCM risk stratification
Cristina Basso	Is CMR the gold standard for ARVC?
Steffen Petersen	CMR in sports cardiology - risk and physiology
Victor Ferrari	CMR after out-hospital cardiac arrest- how to guide ICD implantation
	Discussion

BEST Oral Abstracts

Francisco Alpendurada	Chair
Ingo Eitel	Chair
Frederic Muench	Metabolic profiling using ex-vivo proton magic angle spinning magnetic resonance spectroscopy (1H-MAS-MRS) detects myocardial injury in experimental autoimmune myocarditis (EAM).
Jose Fernando Rodriguez Palomares	Limitation of acute infarct transmuralty to predict segmental recovery in STEMI patients: a cardiac imaging study in the PROMISE trial
Andrea Barison	T1 mapping cardiovascular magnetic resonance in nonischaemic dilated cardiomyopathy: prognostic significance of myocardial extracellular volume fraction
Kady Fischer	Detection of inducible ischemia with oxygenation-sensitive CMR and breathing maneuvers â€” experimental validation in animals
Gaby CAPTUR	Fractal Complexity of the Left Ventricle - Atlas of Trabeculation in 3000 Subjects from the Multi-Ethnic Study of Atherosclerosis
Gianluca Pontone	Long-Term Prognostic Value of Dipyridamole Stress Cardiovascular Magnetic Resonance in Patients with Known or Suspected Coronary Artery Disease

E-POSTER PRESENTATION I | IHD E-CASE PRESENTATION I

Lecture Session I | Controversies in ACS

Jointly organized with ESCR

Holger Thiele	Chair
Piergiorgio Masci	Chair
Subha Raman	Oedema and salvage imaging in 2014: which method is best?
Vicent Bodi	CMR in Acute MI- does it have a prognostic role or it is unnecessary?
Pierre Croisille	Is T2 weighed useful for myocardium at risk?
Michael McConnell	What is the role of non-invasive coronary imaging (CMR and CT)?
	Discussion

INDUSTRY FORUM & Lunch SIEMENS, BAYER, GE

FRIDAY MAY 16

08:15 - 08:30

08:30 - 09:40

09:45 - 10:45

10:45 - 11:30

11:30 - 12:40

12:40 - 13:45

PARALLEL SESSIONS

Technologists Session | How to Get Good Images

	Chair
	Chair
The role of the CMR technologist	
How to optimise edema imaging	
How to scan a patient with congenital heart disease	
How to avoid artefacts	
Discussion	

Didactic Case Session I | Multi-Imaging Modality Cases

Jointly organized with EACVI

	Chair
	Chair
tbc	
Multi-Modality imaging in heart failure	
tbc	
tbc	

E-POSTER PRESENTATION I | IHD E-CASE PRESENTATION I

Lecture Session II | Challenges and Opportunities of CMR in Europe

Jointly organized with ESCR

	Chair
	Chair
Survey of CMR practise in Europe	
CMR between cardiology and radiology: how to strike the balance	
Updates on the EuroCMR and ESCR registries	
EVINCI and beyond...	
Discussion	

Austrian CMR Society

	Chair
	Chair
Can quantification of fibrosis guide cardiac therapy	
How CMR can influence therapeutic strategies in pericarditis	
MR and device implantation	
The right ventricle in MR imaging	

Herbert Frank
Jane Francis
Jane Francis
Redha Boubertakh
Petra Keilberg
Andrew Arai

Erwan Donal
Bernhard Gerber
Erwan Donal
Richard Underwood
Bernhard Gerber
Koen Nieman

Sven Plein
Chiara Bucciarelli-Ducci
Christina DeLuigi
Pierre Croisille
Matthias Gutberlet
Oliver Bruder
Massimo Lombardi

Herbert Frank
Paul Wexberg
Julia Mascherbauer
Theresa Sykora
Gert Klug
Regina Steringer-Mascherbauer

Industry Sponsored Symposium | MEDTRONIC
MRI access with implantable cardiac devices: View of different medical specialists

Jürg Schwitter	Chair
Angelo Auricchio	Chair
Jürg Schwitter	Introduction
Dudley Pennell	Cardiac MRI to guide implantation of cardiac devices
Luca Santini	Cardiologist: Why is it important that a device is MRI conditional?
Grégoire Berchier	MRI Technician: MRI workflow, efficiency and conditions in device patients
Dominik Weishaupt	Radiologist: What about the quality of imaging?
	<i>Panel Discussion and conclusions</i>

Lecture Session III | CONGENITAL: Tetralogy of Fallot

Jointly organized with ESC WG GUCH&EAPC

Emanuela Valsangiacomo	Chair
Willem Helbing	Chair
Emanuela Valsangiacomo	Imaging to time pulmonary valve replacement
Vivek Muthurangu	Imaging the RVOT before and after interventions
Philip Kilner	Advanced imaging of the right ventricle
Wim Helbing	Stressing the right ventricle
	<i>Discussion</i>

E-POSTER PRESENTATION II | NIHD
E-CASE PRESENTATION II

Lecture Session IV | CMR in Female Cardiovascular Disease

Sophie Mavrogeni	Chair
Raad Mohiaddin	Chair
Holger Thiele	Acute and chronic ischemic heart disease
Francisco Alpendurada	CMR in pulmonary hypertension
Sophie Mavrogeni	Rheumatological disorders and the heart
Rory O'Hanlon	CMR in pregnancy and related issues
	<i>Discussion</i>

13:45-14:55 Oral Abstracts I | IHD

	Chair	Eike Nagel
	Chair	Vanessa Ferreira
Aortic stiffness in ischemic and non-ischemic cardiomyopathy and its relationship to myocardial fibrosis		Valentina Puntmann
Long-term Predictive Value of Copeptin after Acute Myocardial Infarction: A Cardiac Magnetic Resonance Study		Sebastian Reinstadler
Cost Evaluation and Comparison of Three Decision Strategies to Revascularize: Results of the 'Suspected CAD' Protocol of the European CMR Registry		Karine Moschetti
Effect of diabetes on post-infarction remodeling in patients with STEMI receiving primary percutaneous coronary intervention: Results of the PROMISE trial		Jose Fernando Rodriguez Palomares
Relationship between Pixel-wise Quantification of Regadenoson Stress CMR Endocardial to Epicardial Myocardial Perfusion Ratios versus Quantitative Coronary Angiography		Allison Ta
Predictive Utility of High-sensitive Troponin T for Long-term Left Ventricular Function and Infarct Scar after Acute Myocardial Infarction		Gert Klug

15:00-16:10 Didactic Case Session II | Challenging Cases: Overlapping phenotypes

	Chair	Cristina Basso
	Chair	James Moon
Athletic heart or cardiomyopathy		Rory O'Hanlon
LVNC or normal variant?		James Moon
Hypertensive or HCM?		Oliver Bruder
ARVC or normal variant?		Massimo Lombardi
<i>Discussion</i>		

16:10-16:55 E-POSTER PRESENTATION II | NIHD
E-CASE PRESENTATION II

17:00-18:10 Oral Abstracts II | NIHD

	Chair	Theo Karamitsos
	Chair	Vicente Bodi
Reproducibility of native myocardial T1 mapping in the assessment of Anderson Fabry Disease and its role in early detection of cardiac involvement by cardiovascular magnetic resonance		Silvia Pica
The Utility of Cardiovascular Magnetic Resonance in Identifying Causes of Acute Chest Pain, Positive Troponins and Non-obstructive Coronaries Using Conventional and Novel T1-mapping Techniques		Vanessa Ferreira
Mechanisms of interstitial remodelling in nonischemic dilated cardiomyopathy: galectin-3 is associated with worse biventricular function and myocardial fibrosis at cardiovascular magnetic resonance		Andrea Barison
Characteristic cardiac phenotypes are detected by cardiovascular magnetic resonance imaging in patients with different clinical phenotypes and genotypes of mitochondrial myopathy		Anca Florian
Prevalence of Cardiac Involvement in Patients With Rheumatic Diseases		Simon Greulich
Detection and quantification of cardiac amyloidosis by T1 mapping cardiovascular magnetic resonance		Andrea Barison
Myocardial MR spectroscopy (MRS) as in noncompetitive athletes and patients with hypertrophic cardiomyopathy		Francesco Secchi

Pro/Con Debate | ARVC

Cristina **Basso**
Andrew **Arai**

William **McKenna**

William **McKenna**

Chair
Chair

The role of CMR in the ARVC guidelines is under valued- PRO

The role of CMR in the ARVC guidelines is under valued- CON

Rebuttal and Discussion

WELCOME DRINKS | Meet & Greet Reception

18:15-18:50

Didactic Case Session III | BEST SUBMITTED CASES

Chair
Chair

Steffen Petersen
Christina DeLuigi

CEMIL **IZGI**

Mohammed **Khanji**

Suzana **Ab Hamid**
Zahra **Alizadeh Sani**

Is this Takotsubo or apical hypertrophic cardiomyopathy? An unusual appearance of left ventricle in a patient with chest pain and troponin rise

Endomyocardial Fibrosis Masquerading as Metastatic Colorectal Tumour; CMR Tissue Characterisation and Perfusion Imaging Pivotal in Guiding Urgent Surgical Management

Mickey Mouse Heart

Accessory 'Pseudo' left atrium confirmed by cardiac magnetic resonance imaging

18:50

WELCOME DRINKS | Meet & Greet Reception

MAIN SESSIONS

Breakfast Session | Club 35 Session- a Career in CMR

Steffen Petersen	Chair
Herbert Frank	Chair
Mark Westwood	Opportunities and limitation of a career in CMR
Tomasz Miszalski	CMR in Poland: a success story
Sven Plein	Training and certification
	Round Table Panel Discussion

Pro/Con Debate | 3T or 1.5T for CMR?

Eike Nagel	Chair
Massimo Lombardi	Chair
Matthias Friedrich	3T is the best field strength for CMR
Jeanette Schulz-Menger	1.5T is the best field strength for CMR
	Rebuttal and Discussion

Lecture Session V | Controversies in Stress Imaging

Jointly organized with EACVI

John Greenwood	Chair
Frank Rademakers	Chair
Richard Underwood	Myocardial perfusion imaging - the wider perspective
Eike Nagel	Developments in perfusion CMR- robustness and quantification
Orlando Simonetti	Exercise stress CMR- is it feasible and what does it add?
Koen Nieman	The potential role of functional cardiac CT in ischemic heart disease
	Discussion

E-CASE PRESENTATION III

Lecture Session VI | How to do T1 mapping and ECV

James Moon	Chair
Martin Ugander	Chair
Stefan Piechnik	Approaches to measure T1
Andrew Arai	T1 mapping: is it good enough?
Erik Schelbert	ECV or native T1?
Daniel Messroghli	Clinical T1 mapping: latest developments, consensus and disputes

Closing Plenary | CMR in Clinical Decision Making 2014

Jointly organized with EACVI

Sven Plein	Chair
Fausto Pinto	Chair
Dudley Pennell	CMR in thalassaemia: a success story. What can we learn?
Fausto Pinto	Imaging in the management of heart failure
Myriam Hunink	CMR in the age of austerity: cost-effectiveness studies
Frank Rademakers	CMR highlights in 2013 and what is on the horizon for 2014
	Discussion

SATURDAY MAY 17

07:30-08:25

08:30 - 09:10

09:15-10:25

10:25-11:10

11:15-12:25

12:30-13:40

PARALLEL SESSIONS

Oral Abstracts III | Basic Science

Assessing energy metabolism non-invasively in the ischemic-reperfused rat heart with hyperpolarized C-13 pyruvate	Chair Rory O'Hanlon
Accurate quantification of focal and diffuse myocardial fibrosis in living mice with myocardial infarct using in-vivo 11.5 T cardiac MRI.	Chair Valentina Puntmann
Usefulness of cardiovascular magnetic resonance in fetuses - feasibility study	Hikari Yoshihara
Left atrial fibrosis evaluated by cardiac magnetic resonance: relevance in the characterization of atrial fibrillation substrate	Bernhard Gerber
	Dorota Piotrowska-Kownacka
	Ana Almeida

Didactic Case Session IV | Congenital

Jointly organized with ESC WG GUCH&EAPC

Left cardiac lesions	Chair Pedro Trigo-Trindade
Right cardiac lesions	Wim Helbing
Discussion	Oliver Tann
	Sohrab Fratz

E-CASE PRESENTATION III

Didactic Case Session V Cases Mix from National CMR Societies

Ireland	Chair Holger Thiele
Hungary	Tomasz Miszalski
Lithuania	Heiko Kindler
Poland	Simor Tamas
Italy	Nomeda Valeviciene
	Tomasz Miszalski
	Piergiorgio Masci

Best Poster/Oral Abstract AWARDS

Steffen **Petersen** *Chair*
Chiara **Bucciarelli-Ducci** *Chair*

13:40-13:50

Closing Remarks

Chiara **Bucciarelli-Ducci**



13:50-13:55

CMR-Exam | University of Economics

15:00-18:00

CMR-Exam | University of Economics