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Welcome Address

Dear Friends and Colleagues

Welcome to Florence for the 11th EuroCMR meeting, the annual conference of the Working Group (WG) on Cardiovascular Magnetic Resonance (CMR) of the European Society of Cardiology (ESC). From the 23rd to the 25th of May Florence will see itself as the city of both renaissance and science.

The EuroCMR meeting is the largest CMR meeting in Europe with an increasing number of attendees from all over the world, from over 400 in Vienna last year to a new record number that we expect this year.

The program firmly focuses on the current clinical application of CMR. It represents a unique educational opportunity spanning from a pre-course on. Thus tailored for the trainees to cutting-edge lectures and overviews on the latest research in the field and advanced CMR methods. It also represents an opportunity to meet and learn from the leading experts in CMR in a friendly and interactive environment. A second, parallel track will offer a mixture of abstracts, case reviews and practical sessions.

The highlights of this year’s program include a multi-modality imaging session organised jointly with the European Association of Cardiovascular Imaging and the Working Group on Nuclear Cardiology and Cardiac CT of the ESC, a breakfast session on the role of CMR in Europe - challenges, differences and opportunities in various different European countries, and a round table discussion on training and certification in CMR in Europe.

A copy of the ESC Textbook of Cardiovascular Imaging will be the prize awarded to the best oral and poster presentation. And for the first time this year we have introduced an additional prize for the best submitted case.

The two latest educational products of the WG on CMR will also be available throughout the meeting: the CMR Update booklet and the CMR Pocket Guide.

As usual, at the end of the EuroCMR meeting (Sat pm) you will also have the opportunity to take the European CMR Exam, a primary requisite to obtain level 2 or level 3 competency in CMR.

We are delighted to welcoming you to Florence.

Chiara BUCCIARELLI-DUCCI
Oliver BRUDER

Chairs
EuroCMR 2013 program committee

Massimo LOMBARDI
Local Organizer EuroCMR 2013

Heiko MAHRHOLDT
Chair WG CMR ESC

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Coffee Break
15:45  ► Basic Course II  p 11
18:20  ► Round Table: Update on training and certification in CMR in Europe  p 11

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15:00 - 18:00  European CMR EXAM | University of Florence
**Organization**

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- **Rep**: European Association Cardiovascular Imaging
- Patrizia LANCELOTTI | Liege, Belgium

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- Cardiac Imaging - International Cardiovascular Center Essen, Elisabeth Hospital Essen, Germany
- Chiara BUCCIARELLI-DUCCI | Bristol, UK
- Bristol Heart Institute, Bristol, UK

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Anja WAGNER | Stamford, USA
Ralf WASSMUTH | Berlin, Germany
Mark WESTWOOD | London, UK
General Information

Venue

Palazzo dei Congressi
Piazza Adua 1, 50123 Florence, Italy

Admission & Badges

Conference name badges are required for admission to all scientific sessions and activities at EuroCMR 2013, including the exhibit halls, social events, and the exam on Sat. Please make sure to wear them at all times.

Badges are color-coded for different groups or admissions.

Registration Desk & Opening Hours

The Registration Desk is located on the ground floor in SALA 5 accessible from the main hallway. It will be open and staffed during the following hours:

- Thursday May 23: 10:00 - 19:00
- Friday May 24: 07:30 - 19:00
- Saturday May 25: 07:00 - 15:00

Exhibits

Educational and informational exhibits are available in SALA ONICE, SALA 4 and 9 also accessible from the main hallway. Exhibits will be open

- Thursday May 23: 12:00 - 18:30
- Friday May 24: 08:30 - 19:00
- Saturday May 25: 08:30 - 14:00

EBAC CME Certificate & Italian CME Credits

Please hand in the completed EBAC Evaluation Form (enclosed in the conference bag) at the end of the meeting in order to receive the EBAC CME Certificate. Certificates will be available at the registration desk from 10:00 -15:00 on Saturday. For ITALIAN CME CREDITS please apply at the desk set up for that purpose in SALA 5.

CMR Exam

The CMR Exam will take place at the Computer Lab at the University of Florence

University of Florence (Università degli Studi di Firenze)
Entrance at Viale Morgagni 44
Please walk up to the first floor to sign in with your BADGE at our desk.

A shuttle bus will be available outside the conference venue at 14:00 on Saturday (leaving at 14:15). If you prefer to go there on your own, please make sure to be at the lab at 14:30. There will be no shuttle back, the university is located close to public transportation.

Coffee Breaks

All Coffee Breaks will take place in the groundfloor and 2nd floor hallways, Lunchboxes will be handed out on Friday before the Industry Forum which will be held during the lunch break. The Wine & Cheese Reception will take place in the Palazzo garden and/or the Limonaia adjacent to the main building (depending on the weather).

Speaker Preparation

Our technicians will be located behind the stage in the main AUDITORIUM and in Sala 202 (left from SALA VERDE on the 2nd floor).

Our technical staff will assist you with preparing your talk for presentation in both, the plenary and parallel sessions. Please check with them prior to your talk in order to sort out eventual technical requirements.

Session Recordings

Sessions will be recorded and published on the Working Group’s website www.escardio.org/communities/Working-Groups/eurocmr shortly after the meeting has been adjourned.
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www.cmr-course.de

Some places for last-minute registration available!
Accreditation

The event “EuroCMR 2013” is accredited by the European Board for Accreditation in Cardiology (EBAC) for 16 hours of External CME credits (day#1: 5 CME credits | day#2: 6 CME credits | day#3: 5 CME credits).

Each participant should claim only those hours of credit that have actually been spent in the educational activity. EBAC works according to the quality standards of the European Accreditation Council for Continuing Medical Education (EACCME), which is an institution of the European Union of Medical Specialists (UEMS).

Disclosure

In compliance with EBAC/ EACCME guidelines, all speakers/chairpersons participating in this program have disclosed potential conflicts of interest that might cause a bias in the presentations.

The Organizing Committee is responsible for ensuring that all potential conflicts of interest relevant to the program are declared to the audience prior to the CME activities.

Italian CME Credits

EuroCMR 2013 has been accredited for ITALIAN CME credits with the ID 58499 and for 3.6 credits.

To be eligible for the ITALIAN CME CREDITS you need to register at the ITALIAN CME desk set up in the registration area in SALA 5 and sign in and out there for each day of the meeting.
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// access WG board positions

www.escardio.org/eurocmr
THURSDAY May 23

13:00 - 15:15  ► Basic Course I

Chair Philip KILNER | London, UK
James MOON | London, UK

13:00 - 13:30  MRI physics made easy.
1
Vivek MUTHURANGU | London, UK

13:30 - 13:45  How to do - LV/RV regional and global function
2
Ana ALMEIDA | Lisbon, Portugal

13:45 - 14:00  How to do - Anatomical imaging including T1 and T2 mapping
3
Stefan PIECHNIK | Oxford, UK

14:00 - 14:15  Questions

14:15 - 14:30  How to do - Adenosine CMR stress imaging
4
Chiara BUCCIARELLI-DUCCI | Bristol, UK

14:30 - 14:45  How to do - Dobutamine CMR stress imaging
5
Ralf WASSMUTH | Berlin, Germany

14:45 - 15:00  How to do - High-quality late gadolinium enhancement
6
Theo KARAMITSOS | Oxford, UK

15:00 - 15:15  Questions

15:15 - 15:45  ► Coffee Break

15:45 - 18:15  ► Basic Course II

Chair Tomasz MISZALSKI-JAMKA | Wroclaw, Poland
John GREENWOOD | Leeds, UK

15:45 - 16:00  How to do - Valve function and shunts
7
Philip KILNER | London, UK

16:00 - 16:15  How to do - Coronary artery imaging
8
Bernhard GERBER | Leuven, Belgium

16:15 - 16:30  CMR in the assessment of congenital heart disease
9
Emanuela VALSANGIACOMO | Zurich, Switzerland

16:30 - 16:45  Questions

16:45 - 17:00  CMR in the assessment of acute coronary syndromes
10
Ingo EITEL | Leipzig, Germany

17:00 - 17:15  CMR in the assessment ischemic heart disease
11
John GREENWOOD | Leeds, UK

17:15 - 17:30  CMR in the assessment of cardiomyopathies
12
Ian BOGAERT | Leuven, Belgium

17:30 - 17:45  CMR in the assessment of cardiac masses and pericardium
13
Herbert FRANK | Tulln, Austria

17:45 - 18:00  Questions

18:00 - 18:15  How to do - Set up a CMR service
14
Mark WESTWOOD | London, UK

18:15 - 18:50  ► Round Table: Update on Training and Certification in CMR in Europe

Panel Sven PLEIN | Leeds, UK
Steffen PETERSEN | London, UK
FRIDAY May 24

08:25 ➤ Welcome Address
Massimo LOMBARDI | Pisa, Italy

08:30 - 09:30 ➤ Opening Plenary: Clinical CMR in Europe
Chair: Heiko MAHRHOLDT | Stuttgart, Germany
Oliver BRUDER | Essen, Germany

08:30 - 08:45
What can we learn from the new and ongoing CMR trials
Eike NAGEL | London, UK

08:45 - 09:00
Cost effectiveness of CMR in cardiology: a European perspective
Juerg SCHWITTER | Lausanne, Switzerland

09:00 - 09:15
EuroCMR registry: how CMR changes clinical practice
Anja WAGNER | Stamford, USA

09:15 - 09:30
CMR in population science
Steffen PETERSEN | London, UK

09:30 - 09:45 ➤ Break

09:45 - 10:45 ➤ Best Oral Abstracts
Chair: Chiara BUCCIARELLI-DUCCI | Bristol, UK
Oliver BRUDER | Essen, Germany

09:45 - 10:00 933: C-Reactive protein and early post-infarct pericardial injury in patients after reperfused acute myocardial infarction. A cardiovascular magnetic resonance study
Doulatpsis C, Masci PG, Goetschalckx K, Janssens S, Bogaert J.
Departments of Radiology and Cardiology, University Hospitals Leuven, Herestraat 49, B-3000 Leuven, Belgium

10:00 - 10:15 1072: T1 mapping is a superior method to T2-weighted imaging in the detection of acute myocarditis using cardiovascular magnetic resonance.
Vanessa M Ferreira, MD1,2; Stefan K Piechnik PhD MScEE1; Erica Dall’Armellina, MD1;
Theodoros D Karamitsos, MD PhD1; Jane M Francis, DCR(R), DNM1; Nitobeko Ntusi, MBChB, FCP(SA)1; Cameron Holloway, MRCP, FRACP, DPhil1; Robin P Choudhury, DM1; Attita Kardos, MD PhD1; Matthew D Robson PhD1; Matthias G Friedrich, MD1,2; Stefan Neubauer MD1
1 Department of Cardiovascular Medicine, University of Oxford, John Radcliffe Hospital, Oxford, OX3 9DU, United Kingdom
2 Stephenson Cardiovascular MR Centre, Libri Cardiovascular Institute of Alberta, Calgary, AB, Canada | 3 Department of Cardiology, Milton Keynes NHS Foundation Trust, Milton Keynes, United Kingdom | 4 Department of Cardiology, Université de Montréal, Montréal, Quebec, Canada, H1T 1C8

10:15 - 10:30 1052: Cardiac involvement in subjects with Churg-Strauss syndrome in clinical remission
Tomasz Miszalski-Jamka1,2,3, Barbara Sokolowska2, Wojciech, Szczeklik4, Krzysztof Karwat3, Karol Miszalski-Jamka1, Katarzyna Belzak2, Łukasz Malek2, Wojciech Mazur1, Dean J. Kereiakes5, Przemyslaw Jaźwiec1, Jacek Musiał1
1 Department of Clinical Radiology and Imaging Diagnostics, 4th Military Hospital, Wrocław, Poland | 2 Department of Internal Medicine, Jagiellonian University of Cracow, Krakow, Poland. | 3 Center for Diagnosis, Prevention and Telemedicine, John Paul II Hospital, Krakow, Poland | 4 Department of Cardiology, Congenital Heart Disease and Electrotherapy, Silesian Center for Heart Disease, Zabrze, Poland | 5 Department of Coronary Artery Disease and Structural Heart Diseases, Cardiac Magnetic Resonance Unit, Institute of Cardiology, Warsaw, Poland | 6 The Christ Hospital Heart and Vascular Center/The Lindner Center for Research and Education, Cincinnati, Ohio, USA

10:30 - 10:45 939: CMR T1 Mapping Pre And Post Contrast Characterizes The Myocardium In Heart Transplantat Recipients Without Rejection
Patrizia Pedrotti1, Gabriella Masiocchi1, Luciana D’Angelo2, Angela Milazzo3, Giuseppina Quattrocchi1, Franco Zanotti1, Maria Frigerio1, Alberto Roghi1 and Ornella Rimoldi1,2
1) Cardiac-Thoracic- Vascular, Ospedale Niguarda Ca’ Granda, Milan, Italy; 2) Vita Salute University, San Raffaele, Milan, Italy and 3) CMR, Segrate (Milan), Italy.

10:45 - 11:30 ➤ Coffee Break & ABSTRACT POSTER Presentations I (Sala Club, Basement)
See presentation details in Appendix I starting at page 28
The original abstract submissions are published in a special EHJ-CI supplement in print and online
FRIDAY May 24

11:30 - 12:45  ▶ Session I: CMR in the management of IHD

Chair  Sven PLEIN | Leeds, UK  
        Juerg SCHWITTER | Lausanne, Switzerland

11:30 - 11:45  Pathophysiology of myocardial ischemia to understand imaging findings  
               Frank RADEMAKERS | Leuven, Belgium

11:45 - 12:00  Perfusion assessment by CMR as a surrogate for ischemia  
               Sven PLEIN | Leeds, UK

12:00 - 12:15  Myocardial ischemia as imaged by SPECT or PET  
               Danilo NEGLIA | Pisa, Italy

12:15 - 12:30  Limitations and pitfalls of stress CMR in clinical practice  
               Eike NAGEL | London, UK

12:30 - 12:45  Discussion

12:45 - 14:00  ▶ Lunch & INDUSTRY FORUM | Hotline

12:45 - 13:10  Main Sponsor of EuroCMR 2013: BAYER

13:10 - 13:25  Main Sponsor of EuroCMR 2013: SIEMENS


13:45 - 14:00  HOTLINE: Future of the WG and the European Association of Cardiocascular Imaging  
               Panel  Heiko MAHRHOLDT | Stuttgart, Germany  
                    Sven PLEIN | Leeds, UK

14:00 - 14:30  ▶ Keynote

14:00 - 14:30  Role of CMR in Heart Failure  
               Dudley PENNELL | London, UK

14:30 - 15:40  ▶ Session II: Pro/Con Debate

Chair  Eike NAGEL | London, UK  
        Herbert FRANK | Tulln, Austria

14:30 - 14:45  T2 imaging for myocardial salvage PRO  
               Andrew ARAI | Bethesda, USA

14:45 - 15:00  T2 imaging for myocardial salvage CON  
               Robert JUDD | Durham, USA

15:00 - 15:15  Viability imaging - key to clinical decision making PRO  
               John GREENWOOD | Leeds, UK

15:15 - 15:30  Viability imaging - key to clinical decision making CON  
               Jeanette SCHULZ-MENGER | Berlin, Germany

15:30 - 15:40  Discussion

15:40 - 15:50  ▶ Break
FRIDAY May 24

15:50 - 17:00  ► Session III: Congenital Imaging: the Aorta

Chair  Emanuela VALSANGIACOMO | Zurich, Switzerland
       Vivek MUTHURANGU | London, UK

15:50 - 16:05  Bicuspid aortic valve - morphology, flow, and beyond
              Raad MOHIADDIN | London, UK  38

16:05 - 16:20  Aortic coarctation - is it only the arch?
              George BALLARD | Leeds, UK  39

16:20 - 16:35  Aortic arch malfunctions
              Christian KELLENBERGER | Zurich, Switzerland  40

16:35 - 16:50  Plaque imaging from the aorta to the coronaries
              Juerg SCHWITTER | Lausanne, Switzerland  41

16:50 - 17:00  Discussion

17:00 - 17:45  ► Coffee Break & ABSTRACT POSTER Presentations II (Sala Club, Basement)

See presentation details in Appendix I starting at page 31
The original abstract submissions are published in a special EHJ-CI supplement in print and online

17:45 - 18:55  ► Session IV: LGE and Prognosis

Chair  Robert JUDD | Durham, USA
       Massimo LOMBARDI | Pisa, Italy

17:45 - 18:00  Ischemic heart disease
              Gerry MCCANN | Leicester, UK  42

18:00 - 18:15  Cardiomyopathies (HCM, DCM)
              Oliver BRUDER | Essen, Germany  43

18:15 - 18:30  Myocardial inflammation
              Heiko MAHRHOLDT | Stuttgart, Germany  44

18:30 - 18:45  Where LGE changes clinical pathways
              Robert JUDD | Durham, USA  45

18:45 - 18:55  Discussion

19:00  ► Welcome Drinks | Wine & Cheese Reception
       (Garden & Limonaia)
SATURDAY May 25

07:30 - 08:30  Breakfast Session: Round Table Discussion ‘CMR in Europe’

Chair  Sven PLEIN | LEEDS, UK
       Chiara BUCCIARELLI-DUCCI | Bristol, UK

Panel  Italy:  Giovanni AQUARO
       UK:  James MOON
       Germany:  Holger THIELE
       Switzerland:  Juerg SCHWITTER
       Netherlands:  Albert VAN ROSSUM

Members of other countries are invited to be part of the audience and contribute to the discussion
(Breakfast will be available)

08:30 - 09:40  Session V: CMR for the Interventionalist

Chair  Holger THIELE | Leipzig, Germany
       Chiara BUCCIARELLI-DUCCI | Bristol, UK

08:30 - 08:45  CMR in Transcatheter Aortic Valve Implantation
               Francisco ALPENDURADA | London, UK

08:45 - 09:00  CMR to guide coronary interventions
               Robin NIJVELDT | Amsterdam, Netherlands

09:00 - 09:15  CMR to estimate prognosis in ACS
               Holger THIELE | Leipzig, Germany

09:15 - 09:30  Differential diagnosis of ACS with unobstructed coronary arteries
               Piergiorgi MASCI | Pisa, Italy

09:30 - 09:40  Discussion

09:40 - 09:50  Break

09:50 - 11:00  Session VI: ARVC

Chair  Massimo LOMBARDI | Pisa, Italy
       Albert VAN ROSSUM | Amsterdam, Netherlands

09:50 - 10:05  Structural changes in the heart with ARVC
               Gaetano THIENE | Padova, Italy

10:05 - 10:20  Diagnostic criteria of ARVC
               Cristina BASSO | Padova, Italy

10:20 - 10:35  Role of CMR in the diagnosis of ARVC
               Massimo LOMBARDI | Pisa, Italy

10:35 - 10:50  ARVC and sudden cardiac death in athletes
               Stefano CASELLI | Rome, Italy

10:50 - 11:00  Discussion

11:00 - 11.45  Coffee Break & ABSTRACT POSTER Presentations III  (Sala Club, Basement)

See presentation details in Appendix I starting at page 34
The original abstract submissions are published in a special EHJ-CI supplement in print and online
SATURDAY May 25

11:45 - 12:55  ▶ Session VII: Multimodality Imaging - Imaging Stable IHD: which has the future?

   Chair  Heiko MAHRHOLDT | Stuttgart, Germany
   Dudley PENNELL | London, UK

11:45 - 12:00  Status of SPECT after CE-MARC and IMPACT2: the end of the road?
55  Alessia GIMELLI | Pisa, Italy

12:00 - 12:15  CT: the new one-stop shop for coronaries, perfusion and viability?
56  Francesca PUGLIESE | London, UK

12:15 - 12:30  Echocardiography: can it compete with CT and CMR?
57  Erwan DONAL | Rennes, France

12:30 - 12:45  CMR: strenghts and weaknesses compared with other imaging modalities
58  Albert VAN ROSSUM | Amsterdam, Netherlands

12:45 - 12:55  Discussion

12:55 - 14:00  ▶ Closing Plenary: Imaging in Heart Failure

   Chair  Heiko MAHRHOLDT | Stuttgart, Germany
   Massimo LOMBARDI | Pisa, Italy

12:55 - 13:10  Heart Failure in Europe: epidemiology and role of imaging
59  Erwan DONAL | Rennes, France

13:10 - 13:25  CMR in new onset heart failure: does tissue mapping play a role?
60  James MOON | London, UK

13:25 - 13:40  Risk stratification and clinical decision making guided by CMR
61  Albert VAN ROSSUM | Amsterdam, Netherlands

13:40 - 13:55  Role of CMR in cardiac resynchronisation therapy
62  Jeanette SCHULZ-MENGER | Berlin, Germany

14:00 - 14:15  ▶ Best Poster/Oral Abstract Awards

   Chair  Chiara BUCCIARELLI-DUCCI | Bristol, UK
   Oliver BRUDER | Essen, Germany

14:15 - 14:20  ▶ Closing Remarks
63  Heiko MAHRHOLDT | Stuttgart, Germany

15:00 - 18:00  ▶ European CMR Exam
(Università degli Studi di Firenze, Viale Morgagni 44)
Bus shuttle leaving at 14:15 outside the venue
15:30 - 18:30 The 5th T1-Mapping Development Group Meeting

15:30 - 17:00 Oral Presentations

Chair: Andrew ARAI | Bethesda, USA

15:30 - 15:45 Introduction and update of the T1-mapping literature
   James MOON | London, UK

15:45 - 16:00 Myocardial T1-mapping at 3T: reference values, influencing factors and implications
   Florian VON KNOBELSDORFF | Berlin, Germany

16:00 - 16:15 Improvements in MOLLI acquisition schemes
   Sven PLEIN | Leeds, UK

16:15 - 16:30 Clinical applications of T1-mapping in HCM and cardiac transplant patients
   Patricia PEDROTTI | Milano, Italy

16:30 - 16:45 International T1-multi-centre prospective study
   Valentina PUNTMANN | London, UK

16:45 - 17:00 T1-mapping - a tool for understanding cardiac disease
   Andrew TAYLOR | Melbourne, Australia

17:00 - 17:15 Break

17:15 - 18:30 Debate: Pro/Con contrast for T1-mapping

Chair: Martin UGANDER | Stockholm, Sweden

17:15 - 17:30 We don't need contrast for T1-mapping
   Stefan PIECHNIK | Oxford, UK

17:30 - 17:45 We need contrast for T1-mapping
   Marianna FONTANA | London, UK

17:45 - 18:00 Discussion

18:00 - 18:30 Future directions of T1-mapping - things that still need to be done
   James MOON | London, UK
   Vanessa FERREIRA | Oxford, UK

18:30 Adjourn | 5th T1-mapping development group meeting
FRIDAY May 24

08:30 - 09:30  ► Technician Round Table
Chair  Chris LAWTON | Bristol, UK
       Tomasz MISZALSKI-JAMKA | Wroclaw, Poland

08:30 - 08:45  Right heart cardiomyopathy: not only ARVC
    73  Ralf WASSMUTH | Berlin, Germany

08:45 - 09:00  Stress perfusion imaging: how and why
    74  Claudia Christina DELUIGI | Essen, Germany

09:00 - 09:15  Imaging the aorta and gadolinium angiograms
    75  Chris LAWTON | Bristol, UK

09:15 - 09:30  Tips and tricks for CMR imaging
    76  Alison FLETCHER | Southampton, UK

09:30 - 09:45  ► Break

09:45 - 10:45  ► Didactic Case Session: Heart Failure
Chair  Alberto ROGHI | Milano, Italy
       Gianluca DI BELLA | Messina, Italy

09:45 - 10:00  Case Presentation
    77  Santo DELLAGROTTAGLIE | Napoli, Italy

10:00 - 10:15  Case Presentation
    78  Martina PERAZZOLO MARRA | Padova, Italy

10:15 - 10:30  Case Presentation
    79  Piergiorgio MASCI | Pisa, Italy

10:30 - 10:45  Case Presentation
    80  Alberto ROGHI | Milano, Italy

10:45 - 11:30  ► Coffee Break & ABSTRACT POSTER Presentations I
(Sala Club, Basement)
See presentation details in Appendix I starting at page 28
The original abstract submissions are published in a special EHJ-CI supplement in print and online

11:30 - 12:45  ► Oral Abstracts I: Heart Failure
Chair  Florian VON KNOBELSDORFF | Berlin, Germany
       Gerry MCCANN | Leicester, UK

11:30 - 11:42  954: Assessment of Organ Dysfunction in Systemic AL Amyloidosis using Equilibrium MRI to calculate Extracellular Volume Fraction
    81  Sanjay M Banypersad, Marianna Fontana, Viviana Maestriini, Daniel M Sado, Jennifer Pinney, Ashutosh D Wechalekar, Julian D Gillmore, Helen Lachmann, Philip N Hawkins, James C Moon
Heart Hospital Imaging Centre, London, UK

11:42 - 11:54  973: Aortic valve area, stroke volume, left ventricular hypertrophy, remodeling and fibrosis in aortic stenosis assessed by cardiac MRI. Comparison between high and low gradient, and normal and low flow aortic stenosis
    82  Gilles Barone-Rochette MD, Sophie Pierard MD, Stéphanie Seldrum MD, Christophe De Meester de Ravensteijn MS, Julie Melchior MD, Frederick Maes MD, Anne-Catherine Poulleur MD PhD, David Vancaeynen MD PhD, Agnes Pasquet MD PhD, Jean-Louis Vanoverschelde MD PhD FESC FACC, Bernhard L Gerber MD PhD FESC FACC
Valvular Heart Disease Clinic Division of Cardiology, Department of Cardiovascular Diseases, Cliniques Universitaires St. Luc
And Pôle de Recherche Cardiovasculaire (CARD) Institut de Recherche Expérimentale et Clinique (IREC) Université Catholique de Louvain, Brussels, Belgium
### FRIDAY May 24

<table>
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<th>Time</th>
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| 11:54 - 12:06 | **1082:** From Tuscan Trabeculae to Florentine Fractals – A Novel Approach to Quantification by CMR  
Gabriella Captur, Vivek Muthurangu, Andrew S Flett, Robert Wilson, Andrea Barison, Sarah Anderson, Christopher Cook, Daniel M Sado, William J McKenna, Timothy J Mohun, Perry M Elliott, James C Moon  
1. The Heart Hospital, London, UK; 2. National Institute of Medical Research, UK; 3. Great Ormond Street Hospital, UK |
| 12:06 - 12:18 | **919:** MRI in patients with a cardiac pacing device – a collaborative safety protocol for clinical practice  
Touko Kaasalainen, Sari Kivistö, Mija Holmström, Sami Pakarinen, Helena Hänninen, Outi Sipilä, Kirsi Lauerma  
HUS Medical Imaging Center, Helsinki University Central Hospital |
| 12:18 - 12:30 | **986:** Prognostic CMR parameters for heart failure and arrhythmias in a large cohort of well treated thalassemia major patients  
1 CMR Unit, Fondazione G. Monastero Toscana and Institute of Clinical Physiology, Pisa, Italy; 2 Epidemiology and Biostatistics Unit, Institute of Clinical Physiology, CNR, Pisa, Italy; 3 Centro Trasfusionale, Ospedale S. Maria alla Grancia, Montevarchi, Italy; 4 Unità Microcirculazione, A.O.R.N. Cardarelli, Napoli, Italy; 5 Department of Radiology, Catholic University of the Sacred Heart, Campobasso, Italy; 6 Struttura Complessa di Radiologia, OSP. SS. Annunziata, Taranto, Italy. |
| 12:30 - 12:42 | **950:** Estimation of pulmonary arterial mean and wedge pressure by 4-dimensional magnetic resonance blood flow imaging in patients with pulmonary hypertension  
Ursula Reiter, Gert Reiter, Gabor Kovacs, Albrecht Schmidt, Horst Olschewski  
1 Department of Radiology, Medical University of Graz, Austria, 2 Siemens AG, Healthcare Sector, Graz, Austria, 3 Department of Pulmology, Medical University of Graz, Austria & LBI for Lung Vascular Research Graz, Austria, 4 Department of Cardiology, Medical University of Graz, Austria. |

#### Didactic Case Session: Best Submitted Cases

Chair: Claudia Christina DELUIGI | Essen, Germany  
Raad MOHIADDIN | London, UK

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<th>Time</th>
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| 14:30 - 14:40 | **Atypical endomyocardial fibrosis**  
Bart de BOECK | Luzern, Switzerland |
| 14:40 - 14:50 | **Oedema mapping**  
Daniel SADO | London, UK |
| 14:50 - 15:00 | **Pseudoaneurysm**  
Magda LANOCHA | Poznan, Poland |
| 15:00 - 15:10 | **Loeffler endocarditis**  
Alessio LA MANNA | Catania, Italy |
| 15:10 - 15:20 | **LGE HCM**  
Roberta DELLA BONA | Arezzo, Italy |
| 15:20 - 15:30 | **ALVD**  
Elisa MC ALINDON | Bristol, UK |
FRIDAY May 24

15:30 - 17:00  ▶ Oral Abstracts II: T1 and T2-Mapping

Chair  James MOON | London, UK
Andrew ARAI | Bethesda, USA

15:30 - 15:42  93  Native T1 mapping correlates with echocardiographic indices of diastolic function in hypertrophic cardiomyopathy
Alexandra Macmillan BA, Darius Dabir MD, Toby Rogers MD, Mark Monaghan, MD, PhD, Eike Nagel MD PhD, Valentina Puntmann MD PhD
King’s College London

15:42 - 15:54  94  High-resolution faster modified look-locker inversion recovery (fast-MOLLI) for RV extracellular volume fraction at 3T: A feasibility study
E Semaan, B Spottswoode, B Freed, M Carr, M Wasielewski, K Fortney-Campione, S Shah, J Carr, M Markl, J Collins
Northwestern University, Chicago, IL; Siemens MR R&D Chicago, IL

15:54 - 16:06  95  Shortened Modified Look-Locker Inversion Recovery for Myocardial T1 Mapping in Healthy Volunteers: Determination of Reference T1 Relaxation Times at 3 Tesla MR According to Different Contrast Injection Methods
Yon Mi Sung
Gachon University Gil Hospital

16:06 - 16:18  96  Comparison of native T1 values in acute and chronic viral myocarditis
Rocio Hinojar1, MD; Eduardo Arroyo Ucar1, MD; Darius Dabir2, MD; Tobias Voigt2, PhD; Nicolas Gaddum3, PhD; Tobias Schaeffter4, PhD; Eike Nagel5, MD, PhD; Valentina O. Puntmann1, MD, PhD
1 Cardiovascular Imaging Department, King’s College London, London, UK, 2 Clinical Research Europe, Philips Research, London, UK, 3 Department of biophysics and medical engineering, King’s College London, London, UK

16:18 - 16:30  97  Age-gender normal values of native and post-contrast myocardial T1 relaxation times on 1.5T and 3T using MOLLI
Department of Cardiovascular Imaging, Division of Imaging Sciences and Biomedical Engineering, St. Thomas’ Hospital, King’s College London

16:30 - 16:42  98  A comparison of sequences to quantitate myocardial salvage following STEMI
McAllindon E., Bucciarelli-Ducci C.
CMR Unit, NIHR Cardiovascular Biomedical Research Unit, Bristol Heart Institute, Bristol, UK

16:42 - 16:54  99  Myocardial T1 mapping in iron overload. A comparison to the T2* technique.
Daniel Sado, Viviana Maestrelli, Stefan Piechnik, John Porter, Jin Yamamura, Roland Fischer, James Moon
1 The Heart Hospital, UK; 2 Oxford Centre for CMR research, UK; 3 Medical University Center Hamburg, Germany

17:00 - 17:45  ▶ Coffee Break & CASE POSTER Presentations

Case Poster Presentation I
Chair  Gianluca DI BELLA | Messina, Italy

Case Poster Presentation II
Chair  Mark WESTWOOD | London, UK

17:00 - 17:45  ▶ Coffee Break & ABSTRACT POSTER Presentations II (Sala Club, Basement)
See presentation details in Appendix I starting at page 31
The original abstract submissions are published in a special EHJ-CI supplement in print and online
FRIDAY May 24

17:45 - 18:45  ► Didactic Case Session: How to avoid artefacts

Chair  Stefan PIECHNIK | Oxford, UK
       Jeanette SCHULZ-MENGER | Berlin, Germany

17:45 - 18:00  Basic principles
               Bernhard GERBER | Leuven, Belgium

18:00 - 18:15  LGE artefacts
               Claudia Christina DELUIGI | Essen, Germany

18:15 - 18:30  Artefacts at 3T
               Florian VON KNOBELSDORFF | Berlin, Germany

18:30 - 18:45  Perfusion and artefacts
               Francisco ALPENDURADA | London, UK

19:00  ► Welcome Drinks | Wine & Cheese Reception
       (Garden & Limonaia)

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Save the date and come back for more information soon at eurocmr2014.medconvent.at
SATURDAY May 25

08:30 - 09:30

Didactic Case Session: Congenital

Chair
Vivek MUTHURANGU | London, UK
George BALLARD | Leeds, UK

08:30 - 08:45
Case Presentation
Vivek MUTHURANGU | London, UK

08:45 - 09:00
Case Presentation
Vivek MUTHURANGU | London, UK

09:00 - 09:15
Case Presentation
George BALLARD | Leeds, UK

09:15 - 09:30
Case Presentation
George BALLARD | Leeds, UK

09:30 - 09:50
Break

09:50 - 11:00

Oral Abstracts III: Ischemic Heart Disease

Chair
Ingo EITEL | Leipzig, Germany
Theo KARAMITOS | Oxford, UK

09:50 - 10:02

982: The association of copeptin with myocardial infarct size and myocardial function after ST-segment elevation myocardial infarction
Reinstadler SJ1, Klug G1, Feistritzer HJ1, Mayr A2, Harrasser B1, Krauter L1, Mair J1,
Schocke MF1, Pachinger O1, Metzler B1
University Clinic of Internal Medicine III, Cardiology, Innsbruck Medical University

10:02 - 10:14

1012: Prognostic Value of Adenosine Stress Cardiac Magnetic Resonance Imaging in Patients with Known Coronary Artery Disease
Marzia Rigoli, Andrew To, Collin Edwards, Patricia Ding, Jonathan Christiansen
Cardiovascular Division, North Shore Hospital, Waitakere Health

10:14 - 10:26

944: Impact of CMR infarct severity on regional morphology and function in patients with successfully reperfused STEMI
Departments of Radiology and Cardiovascular Diseases(*), University Hospitals Leuven, Herestraat 49, B-3000 Leuven, Belgium

10:26 - 10:38

1065: Cardiac magnetic resonance predictors of LV remodeling early after STEMI
Krzysztof Karwat1, Marek Tomala2, Karol Miszalski-Jamka1, Sabina Licholaj3, Wojciech Mazur4,
Dean J. Kereiakes5, Jadwiga Nessler1, Krzysztof Zmudka2, Przemyslaw Jaźwiec1, Tomasz Miszalski-Jamka1,6
1 Department of Coronary Heart Disease, John Paul II Hospital, Institute of Cardiology, Jagiellonian University School of Medicine, Krakow, Poland
2 Department of Hemodynamics & Angiocardiography, John Paul II Hospital, Institute of Cardiology, Jagiellonian University School of Medicine, Krakow, Poland
3 Department of Cardiology, Congenital Heart Disease and Electropherotherapy, Silesian Center for Heart Disease, Zabrze, Poland
4 The Christ Hospital Heart and Vascular Center/The Lindner Center for Research and Education, Cincinnati, Ohio, USA
5 Center for Diagnosis, Prevention and Telemedicine, John Paul II Hospital, Krakow, Poland
6 Department of Clinical Radiology and Imaging Diagnostics, 4th Military Hospital, Wrocław, Poland

10:38 - 10:49

1039: Time after contrast injection is crucial to determine infarct transmurality and myocardial functional recovery after an acute myocardial infarction.
José F Rodriguez-Palomares, JT Ortiz, C. Bucciarelli, Dan Lee, Edwin Wu, Robert O Bonow
Northwestern Memorial Hospital (Chicago, Illinois, USA). Hospital Vall Hebrón (Barcelona, Spain).

10:49 - 11:00

964: Identification of Arrhythmogenic Substrate by ce-CMR in post-MI patients with relatively preserved left ventricular ejection fraction nonsustained ventricular tachycardia
Kivanc Yalin, Ebru Golcuk, Cansu Selcan Ozer, Hakan Buyukbayrak, Ravza Yilmaz, Memduh Dursun, Ahmet Kayal Blige, Kamil Adalet
Istanbul University, Istanbul Faculty of Medicine, Department of Cardiology
SATURDAY May 25

11:00 - 11:45  ► Coffee Break & ABSTRACT POSTER Presentations III (Sala Club, Basement)
   See presentation details in Appendix I starting at page 34
   The original abstract submissions are published in a special EHJ-CI supplement in print and online

11:45 - 12:55  ► Didactic Case Session: Interactive Cases (audience participation)
   
   Chair    Mark WESTWOOD | London, UK
   James MOON | London, UK

   11:45 - 12:00  Case Presentation
   Cyril PELLATON | London, UK

   12:00 - 12:15  Case Presentation
   Silvia PICA | London, UK

   12:15 - 12:30  Case Presentation
   Graham COLE | London, UK

   12:30 - 12:45  Case Presentation
   Charlotte MANISTY | London, UK

12:55 - 14:00  ► Closing Plenary: Imaging in Heart Failure

14:00 - 14:15  ► Best Poster/Oral Abstract Awards

14:15 - 14:20  ► Closing Remarks
   Heiko MAHRHOLDT | Stuttgart, Germany

15:00 - 18:00  ► European CMR Exam
   (Università degli Studi di Firenze, Viale Morgagni 44)
   Bus shuttle leaving at 14:15 outside the venue
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Schedule POSTER Presentations

Selected POSTERS will be presented at the SALA CLUB in the basement, next to the main AUDITORIUM during the COFFEE BREAKS as indicated in the main program.

Please find a detailed schedule for these POSTER PRESENTATIONS on the following pages.

The original submitted abstracts have been published in a special EHJ-CI supplement in print (freely available at the meeting) and online at the EHJ-CI website, free to view for all.

How to find abstracts or authors:

The ABSTRACT POSTER PRESENTATIONS are ordered by session according to their place in the overall schedule, and by subject.

The *green numbers* indicate the original number under which each abstract has been registered in the system upon submission. These numbers refer to the EHJ-CI supplement where all abstracts have been published, also in their order by session/presentation.

The consecutively ordered *red P-numbers* only serve as a reference to the AUTHORS LIST in *Appendix II* of this program.
Poster Presentations I
Sala Club | Basement

FRIDAY May 24

10:45 - 11:30  Poster Session I/I | Congenital heart disease and flow imaging

Chair  Ana ALMEIDA | Lisbon, Portugal

10:45 - 10:50

936: Left ventricular stroke volume measurement accordance between magnetic resonance volumetry and phase contrast flow methods
J. Peltonen, T. Kaasalainen, S. Kivistö, M. Holmström, K. Lauerma
Helsinki Medical Imaging Center, Helsinki University Hospital, Helsinki, Finland

10:50 - 10:55

942: Normal values of right pulmonary to left pulmonary perfusion ratio in healthy individuals determined by cardiovascular magnetic resonance
Tobias Rutz, MD (a); Christian Meierhofer, MD (a); Stefan Marti, MD, PhD (a); Peter Ewert, MD, PhD (a); John Hess, MD, PhD, FESC (a); Heiko Strem, MD, PhD (a); Sohrab Fratz, MD, PhD, FESC (a)
(a) Department of Paediatric Cardiology and Congential Heart Disease, Deutsches Herzzentrum München an der Technischen Universität Munich, Germany. (b) Department of Radiology, Deutsches Herzzentrum München an der Technischen Universität, Munich, Germany

10:55 - 11:00

946: Free breathing 3D-navigator-guided, gadolinium-enhanced magnetic resonance angiography of pulmonary veins and the impact of heart rate and rhythm on image quality.
John D. Groarke, Alfonso H. Waller, Ron Blankstein, Raymond Y. Kwong, Michael Steigner
Cardiovascular Imaging, Department of Medicine (Division of Cardiology) and Radiology, Brigham and Women’s Hospital, Harvard Medical School, Boston, Massachusetts

11:00 - 11:05

966: Using Carotid-subclavian artery Index and Isthmus-descending Aorta ratio with cardiac MR for detection of coarctation
Cardiac Electrophysiology Research Centre, Rajaie Cardiovascular Medical and Research Canter, Tehran University of Medical Sciences Niayesh highway, Valiasr St, Tehran, Iran

11:05 - 11:10

1022: No difference in aortic distensibility and pulse wave velocity between bicuspid and tricuspid aortic stenosis.
University of Leicester, UK

11:10 - 11:15

1029: MRI phase-encoded tissue velocity mapping for the non-invasive estimation of left ventricular diastolic filling pressure: A MRI-cardiac catheterisation comparison study
Duncan RF,1,2 Dundon BK,2 Nelson AJ,2 Williams K,2 Carbone A,2 Worthley MI,2 Zaman A,1
1 Worthley SG,2
1 Department of Cardiology, Cardiothoracic Centre, Freeman Hospital, Newcastle-Upon-Tyne, UK
2 Cardiovascular Research Centre, Royal Adelaide Hospital, Adelaide, Australia

11:15 - 11:20

1037: Self-navigated free-breathing isotropic 3D whole heart MRI for the characterization of complex congenital heart malformations: first experience with 52 patients.
Pierre Monneya, Davide Piccini²,³, Tobias Rutz³⁴, Gabriella Vincenti³, Simon Koestner³, Matthias Stuber³, Jürg Schwitter³
a Division of Cardiology, Cardiac MR Center, University Hospital Lausanne (CHUV), b Center for Biomedical Imaging (CIBM) & Center for Cardiovascular Magnetic Resonance Research (CVMR), University of Lausanne (UNIL), and c Advanced Clinical Imaging Technology, Siemens Healthcare IM S AW, Lausanne, Switzerland

11:20 - 11:25

1042: Three-dimensional assessment of tricuspid annulus: sensitivity analysis and feasibility
P Giri²,1 F Maffessanti², G Pontone², D Andreini², E Bertella², S Mushtaq², EG Caiani², M Pepi³
²) Centro Cardiologico Monzino IRCSS, Milan, Italy
³) Cardiac and Thoracic Imaging Section, University of Rome "La Sapienza", Rome, Italy

11:25 - 11:30

1053: Pulse wave velocity in patients with dilatation of aorta
Anna Kociemba, Katarzyna Katulska, Magdalena Lanocha, Andrzej Sinawski, Magdalena Janus, Małgorzata Pyda
1st Clinic of Cardiology, University of Medical Science in Poznan, Poland
FRIDAY May 24

10:45 - 11:30  ▶ Coffee Break & POSTER Presentations I

10:45 - 11:30  Poster Session I/II | Cardiomyopathies

Chair  Ralf WASSMUTH | Berlin, Germany

10:45 - 10:50  P10  915: Left ventricular involvement in arrhythmogenic right ventricular cardiomyopathy - A cardiac magnetic resonance imaging study

Soraya El Ghannudi 1,2, Anthony Nghiem 2, Philippe Germain 1, Mi-Joung Jeung 1, Catherine Roy 1, Alshin Gangi 1
1, Radiology department, pôle d’Imagerie, Nouvel Hôpital Civil, Strasbourg, France; 2, Nuclear medicine, pôle d’Imagerie, Nouvel Hôpital Civil, Strasbourg, France

10:50 - 10:55  P11  937: Concealed Structural Abnormalities in Patients with Left Ventricular Arrhythmias of Unknown Aetiology

Gaetano Nucifora,1 Daniele Muser,1 Pier Giorgio Masci,2 Andrea Barison,2 Gianluca Piccoli,1 Luca Rebellato,1 Michela Puppato,1 Daniele Gasparini,1 Massimo Lombardi,2 Alessandro Proclemer 1
1, University Hospital “Santa Maria della Misericordia”, Udine, Italy and (2) Fondazione CNR/Regione Toscana G. Monasterio, Pisa, Italy

10:55 - 11:00  P12  945: Relation Between Site of Origin of Monomorphic Ventricular Arrhythmias and Myocardial Tissue Characteristics in Non-Ischemic Left Ventricular Heart Disease

Gaetano Nucifora,1 Daniele Muser,1 Pier Giorgio Masci,2 Andrea Barison,2 Gianluca Piccoli,1 Luca Rebellato,1 Michela Puppato,1 Daniele Gasparini,1 Massimo Lombardi,2 Alessandro Proclemer 1
1, University Hospital “Santa Maria della Misericordia”, Udine, Italy and (2) Fondazione CNR/Regione Toscana G. Monasterio, Pisa, Italy

11:00 - 11:05  P13  956: Diagnostic outcome and prognosis of patients with suspected non-ischemic cardiomyopathy examined with CMR

Pauli Pöyhönen, MD, M.Sc. (Tech.); Sari Kivistö, MD, PhD; Miia Holmström, MD, PhD; Helena Hänninen, MD, PhD.
Helsinki University Central Hospital, Department of Cardiology

11:05 - 11:10  P14  963: Cardiovascular Magnetic Resonance (CMR) imaging of right ventricular function in patients with fabry disease

Thorning C1, Bickelhaupt S2, Kampmann C2, Wentz KU2, Widmer U1, Juli CF1
1 St. Mary's Hospital, Imperial College NHS Trust, London, United Kingdom; 2 Centre for Ped. Cardiology - University Childrens Hospital Marz, Germany; 3 Cantonal Hospital Münsterlingen, Department of Radiology, Switzerland; 4 Dept. of Medicine, Zurich University Hospital, Switzerland; 4 Dept. of Radiology, Zurich University Hospital, Switzerland

11:10 - 11:15  P15  969: Prognostic value of cardiac magnetic resonance imaging in patients with suspected or known left ventricular non-compaction

Karol Miszalski-Jamka, Jan Klyś, Jan Glowacki, Monika Kijas, Tomasz Miszalski-Jamka, Tomasz Adamczyk, Radosław Kwieciński, Justyna Bogucka-Czapska, Małgorzata Ozaist, Wojciech Mazur, Ewa Kluczweska, Zbigniew Kalarus, Tomasz Kukulski
Department of Cardiology, Congenital Heart Disease and Electrotherapy, Silesian Center for Heart Disease, Zabrze, Poland

11:15 - 11:20  P16  1019: Hypertrophy of right ventricular septomarginal trabeculation by CMR imaging predicts presence and severity of pulmonary hypertension and outcome

G. Karakus, B. Marzluf, D. Bonderman, C. Tufaro, S. Pfaffengerber, J. Babyev, G. Maurer, J. Mascherbauer
Department of Cardiology, Medical University of Vienna

11:20 - 11:25  P17  1030: Role of cardiac magnetic resonance and echocardiography prior to cardiac resynchronization therapy

Department of Cardiology, Institute for Clinical and Experimental Medicine, Prague, Czech Republic

11:25 - 11:30  P18  1031: Papillary muscle mass and area predict left ventricular hypertrophy in hypertrophic cardiomyopathy

M. Vasconcelos1, A. Lebreiro1, E. Martins1, J. Silva Cardoso2, AJ. Madureira2, I. Ramos3, MJ. Maciel1
Sao Joao Hospital, Department of Cardiology, Porto, Portugal (2) University of Porto, Faculty of Medicine, Porto, Portugal (3) São João Hospital, Department of Radiology, Porto, Portugal
FRIDAY May 24

10:45 - 11:30  Coffee Break & POSTER Presentations I

10:45 - 11:30  Poster Session I/III | Ischemic heart disease

Chair  Anja WAGNER | Stamford, USA

10:45 - 10:50  P19  Beneficial effect of intravenous iron administration on left ventricular remodelling in patients with acute ST-elevation myocardial infarction – a cardiovascular magnetic resonance (CMR) study

Anca Florian, Anna Ludwig, Sabine Rösch, Udo Sechtem and Ali Yilmaz
Division of Cardiology, Robert-Bosch-Krankenhaus, Stuttgart, Germany


Chorro FJ
Cardiac Imaging Unit, ERESA Clinic, and Cardiology Department, University Clinic Hospital, Valencia, Spain

10:55 - 11:00  P21  Relationship between scar size and characteristics by ce-CMR and Tpeak-Tend interval in post-MI patients

Kivanc Yalin, Ebru Golcuk, Cansu Selcan Ozer, Hakan Buyukbayrak, Ravza Yilmaz, Memduh Dursun, Ahmet Kaya Bilge, Kamil Adalet
Istanbul University, Istanbul Faculty of Medicine, Department of Cardiology

11:00 - 11:05  P22  Cardiac index after acute ST-segment elevation myocardial infarction measured with phase-contrast cardiac magnetic resonance imaging

University Clinic of Internal Medicine III, Cardiology, Innsbruck Medical University
University Clinic of Radiology, Innsbruck Medical University

11:05 - 11:10  P23  Assessment of Myocardial Area at Risk: A Comparison of T1 Mapping, T2-SPAIR, Endocardial Surface Area and Angiography

N Siddiqi, D Cameron, C Neil, B Jagpal, S Singh, K Schwarz, S Papadopoulou, M P Frenneaux, D Dawson
University of Aberdeen

11:10 - 11:15  P24  The reperfused myocardial infarct core shows extensive hemorrhage with loss of vascular integrity. A comparison of findings from cardiovascular magnetic resonance imaging with histology.

Lourens FHJ Robbers MD and Elise S Eerenberg MD, Paul FA Teunissen MD, Matthijs F Jansen BSc, Maurits R Hollander BSc, Anton JG Horrevoets MD PhD, Paul Knaapen MD PhD, Robin Nijveldt MD PhD, Marcel M Levi MD PhD, Albert C van Rossum MD PhD, Hans WM Niessen MD PhD, C Bogdan Marcu MD, Aernout M Beek MD PhD and Niels van Royen MD PhD.
VU University medical center – Academic Medical Center, Amsterdam, the Netherlands

11:15 - 11:20  P25  Segmental Circumferential strain values in reperfused infarcted myocardial segments are mainly influenced by the transmurality of infarction, not by MVO.

VU University medical center – Academic Medical Center, Amsterdam, the Netherlands

11:20 - 11:25  P26  Microvascular Obstruction in Patients with ST segment elevation MI-What is it relation to the clinical or presenting symptoms?

Sheba Medical Center, Ramat Gan, Israel

11:25 - 11:30  P27  Cardiovascular Magnetic Resonance: a trial to assess its utility for "infarction with normal coronary arteries".

Cadenas R; Iniesta AM, Refoyo E, Antorrenaa I; Guzman G, Cuesta E, Salvador O, López T, Moreno M, López-Sendon JL
University hospital La Paz Madrid España
FRIDAY May 24

17:00 - 17:45  ➤ Coffee Break & POSTER Presentations II

17:00 - 17:45  Poster Session II/I | Novel methods

Chair  Bernhard GERBER  | Leuven, Belgium

17:00 - 17:05  P28
912: Nanoparticle Enhanced CMR – A Novel Method Of Investigating Myocardial Inflammation & Dysfunction
The University of Edinburgh & NH-ND Lothian

17:05 - 17:10  P29
952: Mean pulmonary arterial pressure estimated from vortical blood flow in the main pulmonary artery: Definition of cut-off criteria for the diagnosis of pulmonary hypertension
Gert Reiter¹, Ursula Reiter², Gabor Kovacs³, Michael Fuchsjäger²
¹ Siemens AG, Healthcare Sector, Graz, Austria, 2 Department of Radiology, Medical University of Graz, Austria, 3 Department of Pulmology, Medical University of Graz, Austria & LBI for Lung Vascular Research Graz, Austria

17:10 - 17:15  P30
962: Comparison of Myocardium and Blood Pool Null Points as determined by a Breathhold Single Slice Multiphase Inversion Recovery Acquisition Predicts the Presence of Cardiac Amyloidosis
Saad Ahmad, Umara Raza, Adrian Malik, Jing Ping Sun, Robert Eisner, Wojciech Mazur, Robert O’Donnell
University of Cincinnati

17:15 - 17:20  P31
983: An automatic method for myocardial T2* curve fitting in thalassemia patients with severe iron overload
V. Positano¹, A. Meloni¹, M. F. Santarelli¹, L. Landini¹, C. Tassi², S. Grimaldi³, L. Gulino¹, D. De Marchi¹, E. Chiocci¹, S. Renne², M. Lombardi¹, and A. Pepe¹.
¹ CMR Unit, Fondazione G. Monasterio CNR-Regione Toscana and Institute of Clinical Physiology, Pisa, Italy; 2 Servizio di Immunematologia, Policlinico S. Orsola L. e A. Seragno³, Bologna, Italy; 3 Serv. Micromodelli, Presidio OsPEDaleiro-ASL S, Crete, Italy; 4 Servizio Radiologia Ospedaliero-Universitaria, Arcispedale “S. Anna”, Ferrara, Italy; 5 Struttura Complessa di Cardiologia UTIC, P.O. “Giovanni Paolo II”, Lamezia Terme, Italy.

17:20 - 17:25  P32
999: The accuracy of cardiovascular magnetic resonance feature tracking versus tissue tagging for segmental strain analysis
L. Wu, MD; T. Germans, MD, PhD; A. Güçlü, MD; C.P. Allaart, MD, PhD; A.C. van Rossum, MD, PhD
VU University Medical Center, Department of Cardiology, Amsterdam, The Netherlands

17:25 - 17:30  P33
1033: Left Ventricular Myocardial Strain at Cardiac MRI using Velocity Vector Imaging: A feasibility study
Kevin Kalisz, Kyle Lehenbauer, Daniel Katz, Xiaoming Bi, Marius Cordts, Christoph Guetter, Marie-Pierre Jolly, Benjamin Freed, Sanjiv Shah, Michael Markl, Jacob Flukiger, James Carr, Jeremy Collins
Northwestern University, Department of Radiology, Chicago, Illinois, United States

17:30 - 17:35  P34
1041: Early changes in regional heart function in Tgalphaq*44 murine model of dilated cardiomyopathy as assessed by CMR Tagging
Anna Osiak (1), Urszula Tyrankiewicz (1), Magdalena Jablonska (1,2), Krzysztof Jasinski (1)
(1) Department of Magnetic Resonance Imaging, Institute of Nuclear Physics Polish Academy of Sciences, Krakow, Poland.
(2) Dept of Medical Physics & Biophysics, Faculty of Physics & Applied Computer Sciences, AGH University of Science & Technology, Krakow, Poland.

17:35 - 17:40  P35
1047: Cardiac MR left ventricular myocardial strain derived from deformation fields using balanced steady state free precession cine imaging in patients with cardiac amyloidosis
K Kalisz, E Semaan, D Katz, X Bi, M Cordts, C Guetter, MP Jolly, B Freed, J Flukiger, D Lee, P Kansal, S Shah, M Markl, J Carr, J Collins
Northwestern University and Siemens MR R&D, Chicago, Illinois, United States; Siemens Corp, Princeton, NJ

17:40 - 17:45  P36
1049: Left atrial volume quantification by cardiac magnetic resonance imaging: 2-dimensional biplane area-length method versus 3-dimensional chamber reconstruction technique.
JD Groarke, RV Shah, AH Waller, SA Abbasi, RY Kwong, R Blankstein, M Steigener.
Department of Cardiovascular Imaging, Brigham & Women’s Hospital, Harvard Medical School, Boston, MA.
**FRIDAY May 24**

**17:00 - 17:45**  
Coffee Break & POSTER Presentations II

**17:00 - 17:40**  
Posters Session II/II | T1-mapping and more

*Chair*  
Alberto ROGHI | Milano, Italy

**17:00 - 17:05**  
P37  
970: Optimization of T1 Mapping at 3T in Patients with Aortic Stenosis  
Calvin WL Chin, Scott Semple, Tamir Mailey, Audrey White, Sanjay Prasad, David E Newby, Marc Dweck  
University of Edinburgh, United Kingdom

**17:05 - 17:10**  
P38  
989: CMR survey in a large cohort of TI patients categorized in different transfusional regimens.  
1 CMR Unit, Fondazione G. Monasterio CNR-Regione Toscana and Institute of Clinical Physiology, Pisa, Italy; 2 Ospedale microcitemico, Centro Talasemicini Adulti, Cagliari, Italy; 3 U.O.C. Ematologia con Talassemia, ARNAS Ospedale Civico, Palermo, Italy; 4 Istituto di Radiologia, Policlinico “Paolo Giaccone”, Palermo, Italy; 5 Istituto di Radiologia Az. Osp. “Garibaldi”, Catania, Italy.

**17:10 - 17:15**  
P39  
1013: Myocardial tissue characterization using T1 mapping in normals, phenotype negative relatives and hypertrophic cardiomyopathy patients  
Patrizia Pedrotti, Angela Milazzo, Giuseppina Quattrocchi, Alberto Roghi, Ornella Rimoldi  
CMR Unit Ospedale Niguarda, and IBFM CNR Milan Italy

**17:15 - 17:20**  
P40  
1027: T1-mapping measurement with a multi-breathhold delayed enhancement sequence and a single-breathhold cine inversion-recovery spoiled gradient echo sequence: comparison between two techniques  
Andrea Barison, MD, Daniele De Marchi, RT, Piergiorgio Masci, MD, Matteo Milanesi, MA, Giovanni Donato Aquaro, MD, Petra Keilberg, RT, Vincenzo Potisano, MA, Massimo Lombardi, MD  
Fondazione Toscana Gabriele Monasterio and Scuola Superiore Sant’Anna

**17:20 - 17:25**  
P41  
1028: How is cardiac T1 mapping affected by the analysis method? Comparison of different signal relaxation models  
Vincenzo Potisano, MS, Andrea Barison, MD, Nicola Riccardo Pugliese, MD, Piergiorgio Masci, MD, Annamaria Del Franco, MD, Giovanni Donato Aquaro, MD, Luigi Landini, MS, Massimo Lombardi, MD  
Fondazione Toscana Gabriele Monasterio and Scuola Superiore Sant’Anna

**17:25 - 17:30**  
P42  
1045: Blood/myocardium contrast-to-noise ratio for cardiac morphology and function imaging increases with field strength  
Berlin Ultrahigh Field Facility (MDC Berlin) and WG on Cardiac MRI (ECRC/Charité Berlin), Berlin, Germany

**17:30 - 17:35**  
P43  
1060: Comparison of native T1 values in systemic inflammatory diseases  
Rocio Hinojaz1, MD; Eduardo Arroyo Ucar1, MD; David D’Cruz2, MD; Shirin Sangle2, MD; Darius Dabir3, MD; Tobias Voigt3, PhD; Nicolas Gaddum4, PhD; Tobias Schaeffer4, PhD; Elke Nagel5, MD, PhD; Valentina O. Punthree1, MD, PhD  
1 Cardiovascular Imaging Department, King’s College London, London, UK  
2 Louise Coote Lupus Unit, St Thomas’s Hospital, London, UK  
3 Clinical Research Europe, Philips Research, London, UK  
4 Department of biophysics and medical engineering, King’s College London, London, UK

**17:35 - 17:40**  
P44  
1074: Myocardial T1 and T2 Mappings with Automatic Motion Correction at 3 Tesla MR: Comparison of T1 and T2 Measurements by Breathhold, Free-Breathing and Cardiac Cycle  
Yon Mi Sung  
Gachon University Gil Hospital
FRIDAY May 24

17:00 - 17:45  ► Coffee Break & POSTER Presentations II

17:00 - 17:35 Poster Session II/III | Valvular heart disease and interventions

Chair  Florian VON KNOBELSDORFF | Berlin, Germany

17:00 - 17:05

**P45**

906: Accuracy of Aortic Root Annulus Assessment with Cardiac Magnetic Resonance in Patients referred for Transcatheter Aortic Valve Implantation: A Comparison with Multi-Detector Computed Tomography

Gianluca Pontone, Daniele Andreini, Erika Bertella, Saima Mushtaq, Paola Gripari, Sarah Cortinovis, Monica Loguerio, Andrea Baggiano, Edoardo Conte, Mauro Pepi
Centro Cardiologico Monzino, IRCCS Milan, Italy

17:05 - 17:10

**P46**

914: Assessment of aortic stiffness by cardiovascular magnetic resonance in coronary artery disease and its value in prediction of myocardial infarction size

Soraya El Ghannudi 1,2, Oslem Hop 3, Philippe Germain 1, Mi-Joung Jeung 1, Alain De Cesare 4, Catherine Roy 1, Arshin Gangi 1
1. Radiology department, pôle d’Imagerie, Nouvel Hôpital Civil, Strasbourg, France
2. Nuclear Medicine, pôle d’Imagerie, Nouvel Hôpital Civil, Strasbourg, France
3. Cardiology department, pôle cardiovasculaire, Nouvel Hôpital Civil, Strasbourg, France
4. Laboratoire d’imagerie Fonctionnelle, UMR_S 678 - UPMC / INSERM CHU la Pitié - Salpêtrière

17:10 - 17:15

**P47**

974: Independent Predictor CMR of Mortality in Patient with Surgical Aortic Stenosis

Gilles Barone-Rochette MD, Sophie Pierard MD, Stéphanie Seldrum MD, Christophe De Meester de Ravensteijn MS; Julie Melchior MD; Frederick Maes MD, Anne-Catherine Pouleur MD PhD, David Vancraeynest MD PhD, Agnes Pasquet MD PhD, Jean-Louis Vanoverschelde MD PhD FESC FACC; Bernhard L Gerber MD PhD FESC FACC
Valvular Heart Disease Clinic, Division of Cardiology, Department of Cardiovascular Diseases, Cliniques Universitaires St. Luc, and Pôle de Recherche Cardiovasculaire (CARD) Institut de Recherche Expérimentale et Clinique (IREC) Université Catholique de Louvain, Brussels, Belgium

17:15 - 17:20

**P48**

1016: Determinants of exercise capacity in patients with asymptomatic aortic stenosis

Bekele S, Singh A, Khan JN, Nazir SA, Kanagala P, McCann GP
University of Leicester, Leicester, UK

17:20 - 17:25

**P49**

1021: Inter-study reproducibility of Feature Tracking, Single and Multi-breath-hold Tagging in severe Aortic Stenosis.

Singh A, Steadman CD, Bekele S, Khan JN, Nazir SA, Kanagala P, McCann GP
University of Leicester, Leicester, UK

17:25 - 17:30

**P50**

1038: CMR assessment of left ventricular remodeling after percutaneous edge-to-edge repair using MitraClip. A case series.

Bernard P. Paelinck, Tom Vandendriessche, Dina De Bock, Catherine De Maeyer, Paul M. Parizel, Christiaan J. Vrints, Marc J. Claeyss
Antwerp University Hospital

17:30 - 17:35

**P51**

1056: Stented Bioprostheses And Transcatheter Aortic Valve Implantation Reveal Similar Flow Characteristics Using 4D Flow MRI

1. Working Group Cardiovascular Magnetic Resonance, Charité University Berlin, and HELIOS Klinikum Berlin-Buch, Dept. of Cardiology and Nephrology, Berlin, Germany
2. Immune Klinikum Bernau Heart Center Brandenburg, Dept. of Cardiology, Bernau, Germany
3. Department of Radiology, Feinberg School of Medicine, Northwestern University, Chicago, IL, USA
4. Department of Biomedical Engineering, McCormick School of Engineering, Northwestern University, Chicago, IL, USA
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<td>11:00 - 11:45</td>
<td>Poster Session III/I</td>
<td>Cardiomyopathies - inflammatory diseases</td>
<td>Chair Piergiorgio M ASCI</td>
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<td>11:00 - 11:05</td>
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<td>Diagnostic yield of CMR for the work-up of suspected acute myocarditis in young patients is determined by the presence of elevated cardiac enzymes</td>
<td>Anca Florian, Tim Schäufele, Anna Ludwig, Sabine Rösch, Ina Wenzelburger, Udo Sechtem and Ali Yilmaz</td>
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<tr>
<td>11:05 - 11:10</td>
<td></td>
<td>Clinical and cardiac magnetic resonance characteristics at admission and follow-up in acute myocarditis</td>
<td>López-Lereu MP, Bonanad C, Mommeneu JV, Sanchis J, Estornell J, Igunal B, Maceira A, Chorro FJ. Cardiac Imaging Unit, ERESA Clinic, and Cardiology Department, University Clinic Hospital, Valencia, Spain</td>
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<td>11:10 - 11:15</td>
<td></td>
<td>Left ventricular function by speckle tracking analysis correlates with the presence and the percentage of delayed enhancement in patients with myocarditis and preserved ejection function</td>
<td>Focardi M., Cameli M., Bennati E., Massoni A., Solari M., Carbone F., Banchi B., Mondillo S.</td>
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<td>11:15 - 11:20</td>
<td></td>
<td>Late gadolinium score in cardiac magnetic resonance in patients with suspected inflammatory heart disease - one year follow up</td>
<td>Holmström Miia, Lauverma Kirs, Hänninen Helena, Helmi Tiina, Lommi Jyri, Pöyhönen Pauli, Kivistö Sari</td>
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<td>11:35 - 11:40</td>
<td></td>
<td>Cardiac magnetic resonance evidence of heart involvement in females with hypereosinophilic syndrome of undefined etiology.</td>
<td>Barbara Sokolowska1, Tomasz Miszalski-Jamka1,2, Wojciech Szczeklik1, Krzysztof Karwat3, Karol Miszalski-Jamka4, Katarzyna Belzak5, Wojciech Mazur5, Dean J. Kerelia5, Przemysław Jażwiec6, Jacek Musial7</td>
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<td>11:40 - 11:45</td>
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<td>Myocardial fibrosis in systemic sclerosis: impact in ventricular function and clinical presentation</td>
<td>Gustavo Silva, Ana G. Almeida, Catarina Resende, João S. Marques, Doroteia Silva, Claudio David, Conceição Amaro, Paula Costa, J A Pereira Silva, A Nunes Diogo</td>
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**SATURDAY May 25**

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<td>11:00 - 11:45</td>
<td>**Poster Session III/II</td>
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<td>Chair: Ingo EITEL, Leipzig, Germany</td>
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<tr>
<td>11:00 - 11:05</td>
<td>903: NT-proBNP as a marker of effectiveness of cardiac rehabilitation after myocardial infarction</td>
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<tr>
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<td>Tsokolov A.V., Senchilo V.G., Verteikin A.V.</td>
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<td>(Federal State Agency «1409 Naval hospital of the Baltic Sea fleet», Kaliningrad, Russia)</td>
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<tr>
<td>11:05 - 11:10</td>
<td>938: Myocardial mass and function in extreme hypobaric hypoxia</td>
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<td>Pavel Hoffmann, Geir Mykjåland, Helge Wangberg, Theis Tønnesen, Ivar Sjaastad, Lars Nordsletten, Ulla Hjørnholm, Are Leset, Morten Rostrup</td>
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<tr>
<td></td>
<td>(Section for Interventional Cardiology, Department of Cardiology, Division of Cardiovascular and Pulmonary Diseases 2 Faculty of Medicine, 3 Department of Cardiothoracic Surgery, Division of Cardiovascular and Pulmonary Diseases, 4 Department of Cardiology, Medical Division, 5 Department of Orthopaedic Surgery, Division of Surgery and Clinical Neuroscience, 6 Section for Cardiovascular and Renal research, Department of Cardiology, Medical Division, all Oslo University Hospital, Ullevål)</td>
</tr>
<tr>
<td>11:10 - 11:15</td>
<td>984: Left ventricular wall motion, iron, function, and iron in thalassemia major.</td>
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<td>(1 CMR Unit, Fondazione G. Monasterio CNR-Regione Toscana and Institute of Clinical Physiology, Pisa, Italy; 2 Oncoematologia Pediatrica, Poliambulanza Bari, Italy, 3 Dip. Materno-Infantile Csp. Osp. &quot;Engages Profilt&quot;, Fabiano, Italy; 4 Struttura Complessa di Cardiologia-UTIC, P.O. &quot;Giovanni Paolo II&quot;, Lamezia Terme, Italy; 5 Department of Radiology, Catholic University of the Sacred Heart, Campobasso, Italy)</td>
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<tr>
<td>11:15 - 11:20</td>
<td>985: Myocardial fibrosis by CMR LGE in a large cohort of pediatric thalassemia major patients.</td>
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<td>(1 CMR Unit, Fondazione G. Monasterio CNR-Regione Toscana and Institute of Clinical Physiology, Pisa, Italy; 2 UOC Pediatria - DH Talassemia, AORN A. Cardarelli, Napoli, Italy; 3 U.O. Ematologia Clinica, Osped. Civile “Spirito Santo”, Pescara, Italy; 4 Servizio Radiologia Ospedaliera-Universitaria, Arcispedale “S. Anna”, Ferrara, Italy; 5 Struttura Complessa di Cardiologia-UTIC, P.O. &quot;Giovanni Paolo II&quot;, Lamezia Terme, Italy)</td>
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<td>11:20 - 11:25</td>
<td>987: Reference ranges for biventricular volumes and ejection fraction and for left ventricular mass in adult thalassemia intermedia patients without myocardial iron overload.</td>
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<td>(1 CMR Unit, Fondazione G. Monasterio CNR-Regione Toscana and Institute of Clinical Physiology, Pisa, Italy; 2 Dipartimento Materno-Infantile, U.O. Pediatrica Oncoematologia, Parma, Italy; 3 Dipartimento di Radiologia, Ospedali Riuniti &quot;Umberto I-Lancisi-Salesi&quot;, Ancona, Italy; 4 U.O. Diagnostica per Immagini e Interventistica, Policlinico &quot;Casilino&quot;, Roma, Italy)</td>
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<tr>
<td>11:25 - 11:30</td>
<td>988: Myocardial iron overload in sickle/thalassemia patients of Italian origin.</td>
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<td>(1 CMR Unit, Fondazione G. Monasterio CNR-Regione Toscana and Institute of Clinical Physiology, Pisa, Italy; 2 U.O. Ematologia con Talassemia, AORN A. Cardarelli, Napoli, Italy; 3 P.O.&quot;Giovanni Paolo II&quot;, ASP Agrigento, Sciacca, Italy; 4 Department of Radiology, Catholic University of the Sacred Heart, Campobasso, Italy; 5 Istituto di Radiologia, Policlinico &quot;Paolo Giaccone&quot;, Palermo, Italy)</td>
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<td>11:30 - 11:35</td>
<td>1026: Incidence and influence of extra-cardiac findings in clinical CMR</td>
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<td>S. Greulich, M. Backes, J. Schumm, S. Grün, U. Sechtem, H. Mahrholdt</td>
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<tr>
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<td>(1 Division of Cardiology, Robert-Bosch-Medical Center Stuttgart, Germany; 2 Division of Radiology, Robert-Bosch Medical Center Stuttgart, Germany)</td>
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<td>11:35 - 11:40</td>
<td>1068: Referral priorities and impact on management in a recently established CMR facility</td>
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<td>Karolina Dorniak MD, Agnieszka Sabisz MSć, Edyta Szurowska MD, PhD, Marcin Fijalkowski MD, Dorota Rawicz-Zegzrda, Maria Dudziak MD, PhD, Grzegorz Raczak MD, PhD (Dept of Noninvasive Cardiac Diagnostic/1, Dept of Radiology/3, Dept of Cardiology/3, Medical University of Gdansk, Poland)</td>
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<tr>
<td>11:40 - 11:45</td>
<td>1081: Constrictive Pericarditis in the Modern Cardiology Era Quantitative Analysis of Constrictive Physiology using Four-Dimensional MRI</td>
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<td>Gustavo Silva, Ana G. Almeida, Catarina Resende, João S. Marques, Doroteia Silva, Claudio David, Conceição Amaro, Paula Costa, J A Pereira Silva, A Nunes Diogo (Cardiology Dept and Rheumatology Dept, University Hospital Santa Maria, Lisbon)</td>
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SATURDAY May 25

11:00 - 11:45  ▶ Coffee Break & POSTER Presentations III

11:00 - 11:40  Poster Session III/III | Perfusion

Chair  Robin NIJVELDT | Amsterdam, Netherlands

11:00 - 11:05  P70  913: Dual Bolus Dynamic Contrast Enhanced Cardiac Perfusion Imaging: Comparison of Turbo FLASH and True FISP
Bernd Müller-Bierl, Kaoru Tanaka, Nico Buls, Yves Fierens, Toon van Cauteren, Inneke Wilhelms, Sigrid van Laere, Robert Luypaert, Johan de Mey
Universitair Ziekenhuis Brussel, Radiologie, Laarbeeklaan 101, BE-1090 Jette-Brussel, België

11:05 - 11:10  P71  1020: Stress-perfusion CMR at 3.0 Tesla: diagnostic accuracy and appropriateness of CMR-driven coronary angiography. A single center experience
Muzzarelli S, Faragasso E, Pedrazzini G, Sürder D, Pasotti E, Moccetti T, Faletra F
Fondazione Cardiocentre Ticino, Lugano, Switzerland

11:10 - 11:15  P72  1023: Absolute quantification of cardiac magnetic resonance myocardial perfusion correlates significantly to positron emission tomography on a global and territorial basis in patients with chronic ischemic heart disease
Abbas A. Qayyum MD, Philip Hasbak, MD, Henrik B. Larsson MD, PhD, DMSc, Anders B. Mathiasen MD, Niels G. Veijstrup MD, PhD, Andreas Kjaer MD, PhD, DMSc, Professor, Jens Kastrup MD, DMSc, Professor
1 Department of Cardiology & Cardiac Catheterization Laboratory 2014, The Heart Centre, Rigshospitalet, University Hospital of Copenhagen and Faculty of Health Sciences, Copenhagen University, Blegdamsvej 9, 2100, Copenhagen, Denmark.
2 Department of Clinical Physiology, Nuclear Medicine & PET, Rigshospitalet, University Hospital of Copenhagen and Faculty of Health Sciences, Copenhagen University, Blegdamsvej 9, 2100, Copenhagen, Denmark.

11:15 - 11:20  P73  1035: Comparative cost-effectiveness analyses of cardiac magnetic resonance imaging versus invasive coronary angiography combined with fractional flow reserve testing to diagnose ischemia in coronary artery disease
K. Moschetti1,2, D. Favre1, C. Pingel1, G. Pitt1, S. Petersen2, A. Wagner6, J.B. Wasserfallen1,2, J. Schwitter1
1 Institute of Health Economics and Management (IEMS), University of Lausanne, Switzerland
2 Technology Assessment Unit (UET), University Hospital (CHUV), Lausanne, Switzerland
3 Division of Cardiology and Cardiac MR Center, University Hospital (CHUV), Lausanne, Switzerland
4 Akademisches Lehrkrankenhaus der LMU, München, DE, 5 Queen Mary University of London, UK
6 Departament of cardiology, Hahenmann University Hospital, Drexel University College of Medicine, Philadelphia, USA

11:20 - 11:25  P74  1043: Role and cost-effectiveness of a stress imaging guided strategy in patients with non-culprit lesion at primary percutaneous coronary intervention
Ghosh Dastidar A, Cengarle M, McAlindon E, Augustine D, Nightingale AK, Bucciarelli-Ducci C
Bristol Heart Institute, Bristol, UK

11:25 - 11:30  P75  1059: Assessment of global myocardial perfusion reserve (MPR) using coronary sinus flow measurements during Regadenoson stress CMR: Initial Results
Vineet K. Dandekar, MD; Andrew W. Ertel, MD; Carolyn Dickens, MSN, NP; Rosalia C. Gonzalez, DNP, APRN; Afshin Farzaneh-Far, MD, PhD
Section of Cardiology, University of Illinois Hospital and Health Sciences System, Chicago, USA

11:30 - 11:35  P76  1064: Heart Rate Adaptive Maximal Resolution Cardiovascular Magnetic Resonance Myocardial Stress Perfusion Imaging at 3.0T.
David P Ripley, David Higgins, Adam K McDiarmid, Gavin J Bainbridge, Akhlaque Uddin, Ananth Kidambi, Bernhard Herzog, John P Greenwood, Sven Plein
Multidisciplinary Cardiovascular Research Centre (MCRC) & Leeds Institute of Genetics, Health and Therapeutics, University of Leeds, Leeds, UK & Philips Medical Systems

11:35 - 11:40  P77  1071: Age and Gender Patterns of Referral for Stress Perfusion MRI. A 5 Year Comparison.
M. Khanji, T. Newton, M. Westwood, N Sekhri, S.E.Petersen
Barts Health NHS Trust, Queen Mary University of London
Appendix II

List of Authors

*Numbers* next to the authors’ names indicate the talk number as shown in program pages.

*P-numbers* refer to the ABSTRACT POSTER PRESENTATIONS as listed in APPENDIX I.

*Names in bold* indicate FACULTY MEMBERS, and *c+numbers* refer to a CHAIR and the respective page in the program.
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