



## FINAL PROGRAM

**Thursday May 21<sup>st</sup>, 2009**

13:00 - 19:00 Registration

**15:00 – 19:00 Session I – Basic Course**

**Chair: Frank Rademakers (Leuven, Belgium)  
Peter Buser (Basel, Switzerland)**

15:00-15:20 Anatomy and Right Planning  
11 Ralf Wassmuth (Berlin, Germany)

15:20-15:40 Evaluation of Volumes, Function, Mass and Post  
12 Processing  
Jerome Garot (Massy, France)

15:40-16:00 Viability  
13 Albert van Rossum (Amsterdam, The Netherlands)

16:00-16:20 Flow Measurements  
14 Hakan Arheden (Lund, Sweden)

16:20-16:40 Perfusion  
15 Juerg Schwitter (Lausanne, Switzerland)

16:40-17:00 Dobutamine Stress  
16 Christoph Klein (Berlin, Germany)

17:00-17:30 Coffee Break sponsored by CANA Pharmaceutical





**Chair:** Ana Almeida (Lisbon, Portugal)  
Raad Mohiaddin (London, UK)

17:30-17:50 Combined Stress (Perfusion and Functional Reserve)  
17 Alessandro Pingitore (Pisa, Italy)

17:50-18:10 Safety within the MRI Environment  
18 Roger Luechinger (Zurich, Switzerland)

18:10-18:30 CMR of Adults with Congenital Heart Disease  
19 Philip Kilner (London, UK)

18:30-18:50 How to Plan CMR in Adults with Acquired Heart Disease  
20 Steven Dymarkowski (Leuven, Belgium)

**18:50 – 19:30 Session II – Technologists Round Table**

**Chair:** Petra Keilberg (Pisa, Italy)  
Peter Drivas (London, UK)  
Denise Kleindienst (Berlin, Germany)

**20:00 – 20:45 Reception with concert sponsored by**



MENARINI HELLAS A.E.

**A selection of Greek songs organized by Dr. A. Dristas**  
**Singer: Mrs. Athina Dimitrakopoulou**



**Piano: Dr. Athanasios Dritsas**

**Friday 22<sup>nd</sup>, 2009**

07:30 Registration

08:30 Welcome Address

**09:00 – 11:00 Session III – Cardiomyopathies**

**Chair: Massimo Lombardi (Pisa, Italy)  
Juerg Schwitter (Lausanne, Switzerland)**

09:00-09:20 Hypertrophic Cardiomyopathies  
**21** Rory O' Hanlon (London, UK)

09:20-09:40 Dilated Cardiomyopathies  
**22** Albert van Rossum (Amsterdam, The Netherlands)

09:40-10:00 ARVD the Pathologist View  
**23** Cristina Basso (Padua, Italy)

10:00-10:20 ARVD the Imager View  
**24** Dudley Pennell (London, UK)

10:20-10:40 Other Cardiomyopathies  
**25** Giovanni Aquaro (Pisa, Italy)

10:40-11:00 Discussion

11:00-11:30 Coffee Break & Poster



## Poster Session P 1/1

**Chair: Frank Rademakers (Leuven, Belgium)**

- 11:00 – 11:05**  
**P1** **The utility of cardiovascular magnetic resonance in Takotsubo Cardiomyopathy for differential diagnosis, pathophysiological insights and additional findings**  
Ingo Eitel, Gerhard Schuler, Matthias Gutberlet, Holger Thiele  
University of Leipzig – Heart Center, Department of Internal Medicine – Cardiology (I.E.; G.S.; H.T.)  
University of Leipzig – Heart Center, Department of Diagnostic and Interventional Radiology (M.G.)  
Leipzig Germany
- 11:05 – 11:10**  
**P2** **Thoracic aortic remodelling in Fabry disease**  
Tanina Rolf, Frédéric Barbey, Xavier Jeanrenaud, LK von Segesser, Salah Qanadli  
Centre Hospitalier Universitaire Vaudois, Lausanne
- 11:10 – 11:15**  
**P3** **Detection of relevant coronary stenosis by magnetic resonance imaging in patients with suspected coronary artery disease, percutaneous intervention and coronary bypass graft**  
Peter Bernhardt, MD, Jochen Spieß, MD, Vinzenz Hombach, MD  
University of Ulm, Department of Internal Medicine II, Ulm, Germany
- 11:15 – 11:20**  
**P4** **Contrast – Enhanced Cardiac Magnetic Resonance Imaging in the Differential Diagnosis of Patients with Acute Coronary Syndrome and normal Coronary Angiogram**  
Sonia Velasco, Ana Capelastegui, Jose J Onaindía, Elena Astigarraga, Alaitz Romero, Mario Sadaba, Jose A Larena, Eva Laraudogotia  
Hospital de Galdakao, Vizcaya, Spain
- 11:20 – 11:25** **Evaluation of 5 years follow up of myocardial function**



**P5 after primary percutaneous intervention by Cardiac MRI**  
Tirza Springeling, MDa,b; Sharon W. Kirschbaum MDa,b;  
Timo Baks, MD, PhDa,b; Yusuf Karamermer, MDa,b;  
Adriaan Moelker, MD, PhDb; Gabriel P.Krestin, MDb, PhD;  
Pim J. de Feijter, MDa,b, PhD; Robert-Jan M. van Geunsa,b,  
MD, PhD.  
Department of Cardiology<sup>a</sup> and Radiology<sup>b</sup>, Erasmus  
Medical Center

**11:25 – 11:30**  
**P6 Total heart volume is a strong, independent predictor of VO2 max in normals and athletes**  
K. Steding, H. Engblom, T. Buhre, M. Carlsson, H.; Mosén,  
B. Wohlfart, H. Arheden  
Cardiac MR Group, Department of Clinical Physiology, Lund  
University Hospital, Lund, Sweden

### **Poster Session 1/2**

**Chair: Ana Almeida (Lisbon, Portugal)**

**11:00 – 11:05**  
**P7 Flow Partitioning in Intracardiac Blood Flow from Three-dimensional Phase Contrast MRI**  
Johannes Töger MSc, Håkan Arheden MD PhD, Gustaf  
Söderlind PhD, Einar Heiberg PhD  
Cardiac MR Group, Department of Clinical Physiology, Lund  
University Hospital, Lund, Sweden

**11:05 – 11:10**  
**P8 Software for facilitating international multi center CMR studies**  
Einar Heiberg, Ann-Helen Arvidsson, Håkan Arheden  
Department of Clinical Physiology, Lund University, Sweden

**11:10 – 11:15**  
**P9 Wall Thickening and Velocity Encoded Strain for Quantification of Myocardium at Risk**  
JFA Ubachs, E Heiberg, M Ugander, H Engblom, D Erlinge,  
M Götberg, G Olivecrona, S Jovinge, H Arheden  
Cardiac MR Group, Dept. Of Clinical Physiology, Lund  
University Hospital, Lund, Sweden

**11:15 – 11:20** **Marfan's cardiomyopathy: a novel entity?**



- P10** Alpendurada F., Wong J., Kiotsekoglou, A., Banya W., Mohiaddin R.H  
Royal Brompton Hospital
- 11:20 – 11:25**  
**P11** **Conditions mimicking acute myocardial infarction; aetiology, incidence and diagnostic role of magnetic resonance imaging**  
Stensaeth KH, Hoffmann P, Fossum E, Klow NE  
Dept of Cardiovascular Radiology, Oslo University Hospital, Ullevaal, Oslo, Norway
- 11:25 – 11:30**  
**P12** **Evaluation of Left and Right Coronary Artery Motion with Tissue Doppler Imaging**  
Vesa M. Järvinen, MD, PhD<sup>1</sup>, Petri Sipola, MD, PhD<sup>2</sup>, Marja Hedman, MD, PhD<sup>2,3</sup>, Esko Vanninen, MD, PhD<sup>3</sup>, Hannu Manninen, MD, PhD<sup>2</sup>, Tiina Lyyra-Laitinen, PhD<sup>3</sup>  
<sup>1</sup>Department of Clinical Physiology, Hyvinkää Hospital, Hyvinkää, Finland  
<sup>2</sup>Department of Radiology, Kuopio University Hospital and University of Kuopio, Kuopio, Finland  
<sup>3</sup>Department of Clinical Physiology and Nuclear Medicine, Kuopio University Hospital and University of Kuopio, Kuopio, Finland
- 11:30 – 12:00** **Session IV – Clinical Cases**
- Chair:** **Dennis Cokkinos (Athens, Greece)**  
**Dudley Pennell (London, UK)**
- 11:30-11:40  
**26** Case Presentation 1  
Raad Mohiaddin (London, UK)
- 11:40-11:50  
**27** Case Presentation 2  
Ana Almeida (Lisbon, Portugal)
- 11:50-12:00  
**28** Case Presentation 3  
Alessia Pepe (Pisa, Italy)
- 12:00 – 13:30** **Session V – Selected Abstracts**



**- Coronary Artery Disease -**

**Chair: Steven Dymarkowski (Leuven, Belgium)  
Sven Plein (Leeds, UK)**

- 12:00 – 12:10**  
29 **Further refining stress perfusion imaging: The initial clinical impact of a 32 channel surface coil**  
Thomas R Burchell MRCP, Redha Boubertakh PhD, S A Mohiddin, Anthony Mathur MD, M A Westwood MD, L Ceri Davies MD MRCP  
The London Chest Hospital, Bonner Road, London E2 9JX
- 12:10 – 12:20**  
30 **High dose adenosine stress perfusion cardiovascular magnetic resonance (CMR) imaging for detection of coronary artery disease**  
R P Weerackody, T R Burchell, S A Mohiddin, A Mathur, M A Westwood, L Ceri Davies  
The London Chest Hospital, Bonner Road, London, E2 9JX
- 12:20 – 12:30**  
31 **Diagnostic accuracy of first pass magnetic resonance myocardial perfusion imaging for detection of significant coronary artery disease: comparison of single to dual bolus technique**  
JGJ Groothuis, FPPJ Kremers, AM Beek, SL Brinckman, MJW Götte, M Jerosch-Herold, MBM Hofman, AC van Rossum  
VU University Medical Center
- 12:30 – 12:40**  
32 **Cardiac Magnetic Resonance Frequently Demonstrates Acute Myocardial Damage in Patients Admitted with Troponin Elevation and Normal Coronary Angiograms**  
SA Mohiddin, SP Page, TR Burchell, RP Weerackody, PG Mills, C Knight, A Mathur, LC Davies, MA Westwood  
London Chest Hospital, London, UK
- 12:40 – 12:50**  
33 **Reproducibility of Myocardial Salvage in Acute Myocardial Infarction by the Use of Contrast-Enhanced Magnetic Resonance Imaging**  
Holger Thiele, Mahdi Sareban, Hubertus Engelhardt, Ingo Eitel, Matthias Gutberlet, Gerhard Schuler  
University of Leipzig – Heart Center, Department of Internal Medicine/Cardiology, Germany

- 12:50 – 13:00** 34 **Myocardial Salvage in Acute Myocardial Infarction Assessed by Magnetic Resonance Imaging – Influences by the Antioxidative Agent N-Acetylcystein**  
 Holger Thiele, Ingo Eitel, Lysann Hildebrand, Carmen Schirdewahn, Volker Adams, Georg Fürnau, Matthias Gutberlet, Gerhard Schuler  
 University of Leipzig – Heart Center, Department of Internal Medicine/Cardiology, Germany
- 13:00 – 13:10** 35 **Comparison of extent of microvascular obstruction on high-resolution first-pass perfusion and early gadolinium enhancement CMR in patients with acute myocardial infarction**  
 Adam N Mather, Timothy Lockie, Simon Redwood, Eike Nagel, Sasha Radjenovic, John P Greeceenwood, Sven Plein  
 Academic Unit of Cardiovascular Medicine, Leeds General Infirmary, Leeds, UK, LS1 3EX and Guy's and St. Thomas' Hospital, London, SE1 7EH
- 13:10 – 13:20** 36 **Intramyocardial haemorrhage and microvascular obstruction after primary coronary intervention**  
 AM Beek, R Nijveldt, AC v Rossum  
 VU University Medical Center, Amsterdam, The Netherlands
- 13:20 – 13:30** 37 **Cardiovascular magnetic resonance as a gold standard for diagnosis of true aborted myocardial infarction**  
<sup>1</sup>Ingo Eitel, <sup>1</sup>Georg Fuernau, <sup>1</sup>Mahdi Sareban, <sup>2</sup>Matthias Gutberlet, <sup>1</sup>Gerhard Schuler, <sup>1</sup>Holger Thiele  
<sup>1</sup> University of Leipzig – Heart Center, Department of Internal Medicine – Cardiology (I.E.; G.F.; M.S.; G.S.; H.T.)  
<sup>2</sup> University of Leipzig – Heart Center, Department of Diagnostic and Interventional Radiology (M.G.)  
 Leipzig Germany
- 13:30 – 14:30** **Session VI – Industry Forum and Lunch**
- Chair:** **Massimo Lombardi (Pisa, Italy)**  
**Frank Rademakers (Leuven, Belgium)**





**13:30 – 13:50** 3T pushes the Boundaries of Cardiac MR Imaging  
38 Paul Jamous (GE Healthcare)

**13:50 – 14:10** From prevention and acute care to follow-up:  
39 CMR in 2009  
Okan Ekinçi (Siemens)

14:10 - 14:30 (Speaker)  
40

**14:30 - 16:30 Nucleus Meeting**

**14:30 – 15:30 Session VII – Myocardial Ischemia**

**Chair: Sophie Mavrogeni (Athens, Greece)  
Philip Kilner (London, UK)**

14:30-14:50 Myocardial Perfusion - Technological Improvements  
41 and Clinical Trials  
Theodoros Karamitsos (Oxford, UK)

14:50-15:10 Stress MRI - Technological Improvement and  
42 Clinical Trials  
Hassan Abdel-Aty (Berlin, Germany)

15:10-15:30 The Prognostic Role of Ischemia versus  
43 Luminography  
Frank Rademakers (Leuven, Belgium)

**15:30 – 16:00 Session VIII – Coronary Arteries**

**Chair: Dudley Pennell (London, UK)  
Jerome Garot (Massy, France)**



- 15:30-15:45 **44** MR of the Coronaries  
Peter Danias (Athens, Greece)
- 15:45-16:00 **45** Imaging Techniques in Acute Coronary Artery Disease  
Anthony Aletras (Bethesda, USA)

16:00-16:20 Coffee Break and Posters

### Poster Session 2/1

**Chair: Raad Mohiaddin (London, UK)**

- 16:00 – 16:05** **P14** **Aortic Dilatation and Reduced Elasticity after Surgical Repair of Tetralogy of Fallot**  
António Miguel Ferreira<sup>1</sup>, Elena Rizzo<sup>2</sup>, Magalie Ladouceur<sup>2</sup>, Alban Redheuil<sup>2</sup>, Mourad Bensalah<sup>2</sup>, Arshid Azarine<sup>2</sup>, Younes Boudjemline<sup>2</sup>, Laurence Iserin<sup>2</sup>, Elie Mousseaux<sup>2</sup>  
<sup>1</sup>Hospital dos Lusíadas, Lisbon, Portugal; <sup>2</sup>Centre des Cardiopathies Congénitales de l'adulte, Hôpital Européen Georges Pompidou, Paris, France
- 16:05 – 16:10** **P15** **Left Ventricular Hypertrophy in Patients with Central Obesity. Magnetic resonance Imaging Study**  
Jarkko Marttila<sup>1</sup>, Petri Sipola<sup>1</sup>, Ritva Vanninen<sup>1</sup>, Markku Laakso<sup>2</sup>, Johanna Kuusisto<sup>2</sup>  
Department of Clinical Radiology<sup>1</sup> and Medicine<sup>2</sup>, Kuopio University Hospital, Kuopio, Finland
- 16:10 – 16:15** **P16** **Assessment of left ventricular dysfunction by cardiac magnetic resonance imaging and transthoracic echocardiography in patients with suspected cardiogenic brain embolization**  
Petri Sipola<sup>1,2</sup>, Marja Hedman<sup>1,3</sup>, Pekka Jäkälä<sup>4</sup>, Anne-Mari Kantanen<sup>4</sup>, Ritva Vanninen<sup>1,2</sup>



Departments of <sup>1</sup>Clinical Radiology, <sup>3</sup>Medicine and <sup>4</sup>Neurology  
Kuopio University Hospital and <sup>2</sup>Kuopio University, Kuopio, Finland

**16:15 – 16:20** **P22** **Assessment of right ventricular function in adults with Marfan syndrome using cardiovascular magnetic resonance**

Kiotsekoglou A, Alpendurada F, Wong J, Kapetanakis V, Child AH, Mohiaddin RH  
Royal Brompton Hospital and St George's University of London, London, UK

### Poster Session 2/2

**Chair: Jeron Garot (Massy, France)**

**16:00 – 16:05** **P17** **The use of cardiac MRI in neonates with congenital heart disease – does it help?**

Aphrodite Tzifa, Tarique Hussain, Aaron Bell, Phillip Beerbaum, Reza Razavi, Gerald Greeceil  
Evelina Children's Hospital, Guy's and St Thomas' Hospital, London Clinical Radiology

**16:05 – 16:10** **P18** **Axial slices are more reproducible than short-axis slices for measuring ventricular volumes of patients with corrected Fallot's Tetralogy by CMR**

Sohrab Fratz, Annika Schuhbaeck, Christine Buchner, Raymonde Busch, Christian Meierhofer, Stefan Martinoff, John Hess, Heiko Stern  
Paediatric Cardiology and Congenital Heart Disease, Deutsches Herzzentrum München, TUM, Munich, Germany

**16:10 – 16:15** **P19** **Blush grade after PCI predicts MRI evaluation of infarct size and ejection fraction in patients with acute ST-elevation myocardial infarction**

P. Hoffmann, E. Bøhmer, H. Arnesen and S. Halvorsen  
Department of Radiology and department of Cardiology, Oslo University Hospital, Ullevål, Norway

**16:15 – 16:20** **CMR assessment of left ventricular dyssynchrony predicts reverse remodeling after CRT**  
**P23**  
 G.J. de Roest, I.K. Rüssel, M.J.W. Götte, S.A. Kleijn, C.P. Allaart, C.C. de Cock, A.C. van Rossum  
 VU University Medical Center

### Poster Session 2/3

**Chair: Peter Buser (Basel, Switzerland)**

**16:00 – 16:05** **Management of Thalassaemia Major Patients based on CMR Findings**  
**P13**  
 K. Farmaki<sup>1</sup>, D. Tsiapras<sup>2</sup>, I. Tzoumari<sup>1</sup>, C. Pappa<sup>1</sup>, V. Voudris<sup>2</sup>  
<sup>1</sup>Thalassaemia Unit, Hospital of Corinth, Greece  
<sup>2</sup>2nd Cardiology Dep. Onassis Cardiac Surgery Center, Greece

**16:05 – 16:10** **CMR Indices of the Role of Intensive Combined Chelation in Ameliorating Endstage Heart Failure in a Thalassaemia Major Patient**  
**P20**  
 K. Farmaki<sup>1</sup>, I. Tzoumari<sup>1</sup>, D. Mytas<sup>2</sup>, E. Gotsis, D<sup>3</sup>.Tsiapras<sup>4</sup>  
<sup>1</sup>Thalassaemia Unit, General Hospital of Corinth, Greece  
<sup>2</sup>Cardiology Dep. General Hospital of Corinth, Greece  
<sup>3</sup>Encephalos/Euromedica Institute, Athens, Greece  
<sup>4</sup>2nd Cardiology Dep., Onassis Cardiac Surgery Center, Athens, Greece

**16:10 – 16:15** **7 Year – Evolution of Heart & Liver Iron in  $\beta$  – Thalassaemia by MRI Patients (TMps)**  
**P21**  
<sup>1</sup>K. Farmaki, <sup>2</sup>E.D. Gotsis, <sup>3</sup>D. Tsiapras, <sup>1</sup>I. Tzoumari, <sup>2</sup>D. Verganelakis, P. Toulas  
 Euromedica-Encephalos  
<sup>1</sup>Thalassaemia Unit, General Hospital of Corinth, Greece  
<sup>2</sup>2nd Cardiology Dep. Onassis Cardiac Surgery Center, Athens, Greece

**16.20-17.20** **Session IX – Viability by MRI**



**Chair:** **Herbert Frank (Tulln, Austria)**  
**Jeanette Schulz-Menger (Berlin, Germany)**

16:20-16:40 **46** The Role of DE  
 Christoph Klein (Berlin, DE)

16:40-17:00 **47** The Role of Dobutamine  
 Marco Gotte (Amsterdam, NL)

17:00-17:20 **48** Case Presentation 4  
 Amedeo Chiribiri (London, UK)

**17:30-18:30** **Session X – Selected Abstracts**  
**- Best Abstract Award-**

**Chair:** **Sven Plein (Leeds, UK)**  
**Raad Mohiaddin (London, UK)**

17:30 – 17:40 **49** **Accurate MRI Assessment of Ventricular Volumes in a Single – Breathhold Using a 32 – Channel Coil and Extracellular contrast agent**  
 Victoria Parish, Sergio Uribe, Gerald Greeceil, Reza Razavi, Tobias Schaeffter  
 Division of Imaging Sciences, King’s College, London

17:40 – 17:50 **50** **The athletes heart – Gender Aspects**  
 K. Steding, T. Buhre, B. Wohlfart, H. Engblom, H. Mosén, B. Hedén, H. Arheden  
 Cardiac MR Group, Department of Clinical Physiology, Lund University Hospital, Lund, Sweden

17:50 – 18:00 **51** **Left ventricular torsion decreases after alcohol septal ablation in hypertrophic obstructive cardiomyopathy patients**



W Brouwer, FDB Tammer, IK Rüssel, T Germans, JW van Dockum, MJW Götte, AC van Rossum  
VU University Medical Center Amsterdam

- 18:00 – 18:10**  
**52** **Regional thicknesses and thickening of compacted and trabeculated myocardial layers of the left ventricle studied by cardiovascular magnetic resonance**  
Dana K. Dawson, Alicia Maceira, J. Vimal Raj and Philip J. Kilner  
Royal Brompton Hospital, London, UK
- 18:10 – 18:20**  
**53** **Different patterns of myocardial iron overload by T2\* Cardiovascular MR as markers of risk for cardiac complication in Thalassemia major**  
A Pepe, A Meloni, V Positano, G Rossi, MC Galati, MG Bisconte, A Zuccarelli, G Restaino, G Valeri, L Natale, MC Dell'Amico, M Lombardi  
"G. Monasterio" Foundation, Institute of Clinical Physiology, CNR, Pisa, Italy.
- 18:20 - 18:30**  
**54** **Magnetic resonance delayed enhancement technique in new diagnosed left ventricular systolic dysfunction**  
G D. Aquaro, E. Strata, PG. Masci, M. Emdin, A. Pingitore, M. Lombardi  
Fondazione Toscana Gabriele Monasterio- Institute of Clinical Physiology -CNR , Pisa, Italy
- 18:30-19:00** **Session XI – The CMR - European Communities**
- Chair:** **Massimo Lombardi (Pisa, Italy)**  
**Juerg Schwitter (Lausanne, Switzerland)**
- 18:30-18:45**  
**55** **The EuroCMR Flow Measurement Initiative**  
Philip Kilner (London, UK)
- 18:45-19:00**  
**56** **The International CMR Registry**  
Oliver Bruder (Essen, GER)



**19:30 Faculty Dinner (Panorama Hall) sponsored by**

**Elpen Pharmaceutical** 

**Saturday, May 23<sup>rd</sup>, 2009**

**08:30 – 09:30 Session XII – Myocarditis and Heart Failure**

**Chair: Peter Buser (Basel, Switzerland)  
Albert van Rossum (Amsterdam, The Netherlands)**

08:30-08:50 Pro and Cons to T2 Evaluation  
**57** Oliver Bruder (Essen, Germany)

08:50-09:10 Pro and Cons to DE Evaluation  
**58** Jeanette Schulz-Menger (Berlin, Germany)

09:10-09:30 How to Fit MRI in the Diagnostic Pathway of  
**59** Myocarditis and Heart Failure  
Raad Mohiaddin (London, UK)

**9:30 – 10:30 Session XIII – Congenital Heart Disease**

**Chair: Emanuela Valsangiacomo-Buechel  
(Zurich, Switzerland)  
Raad Mohiaddin (London, UK)**

09:30-09:45 MRI - During Anaesthesia in Infants  
**60** Emanuela Valsangiacomo – Buechel (Zurich, Switzerland)



- 09:45-10:00 **61** MRI in Complex Congenital Heart Disease  
Pierluigi Festa (Massa, Italy)
- 10:00-10:15 **62** MRI in GUCH to Be Announced  
Sonya Babu-Narayan (London, UK)
- 10:15-10:30 **63** MRI and the Surgeon  
Prodromos Azariades (Athens, Greece)
- 10:30-11:00 Coffee Break & Posters

### Poster Session 3/1

**Chair: Albert Van Rossum (Amsterdam, Netherlands)**

- 10:30 – 10:35** **P24** **Comparison in infarctsize between septal ablation by coil embolization and alcohol ablation in patients**  
Tirza Springeling, MD; Sharon W. Kirschbaum MD; H.J.Houtgraaf MD, C.Schultz MD, A. Moelker, MD PhD, Pim J. de Feijter, MD, PhD, M.Michels, MD, F.J. ten Cate, MD, PhD, P.W.J.C. Serruys, MD, PhD, Robert-Jan M. van Geuns, MD, PhD  
Erasmus MC, Thoraxcenter, Rotterdam, The Netherlands
- 10:35 – 10:40** **P25** **Incidental Finding On Coronary Multislice CT Angiography: Frequency and Diagnostic Value**  
Fatma Aboul-Enein, Ahmed Hemmimy  
Alexandria University, Alexandria, EGYPT
- 10:40 – 10:45** **P26** **Assessment of image quality of the right ventricle in three different post-gadolinium IR sequences in patients suspected of ARVC**  
A.S. Plaisier, M.C. Burgmans, N.H. Prakken, B.K. Velthuis, E.P.A. Vonken  
Department of Radiology, UMC Utrecht, The Netherlands
- 10:45 – 10:50** **Dilatation of the Ascending Aorta: a possible**



- P27 phenotypical expression of Fabry disease?**  
 Mourad Bensalah (1), António Miguel Ferreira (1) , Cedric Collin (2) , Pierre Boutouyrie (2), Dominique Germain (3), Elie Mousseaux (1)  
 (1) Departement of cardiovascular Radiology Hospital Georges Pompidou. Paris-France  
 (2) Departement of clinical Pharmacology Hospital Georges Pompidou. Paris-France  
 (3) Departement of Genetic Garches Hospital Paris -France

- 10:50 – 10:55**  
**P28 Contribution of Magnetic Resonance and modern Echocardiography methods in global cardiac evaluation of well chelated b-Thalassaemia major patients**  
 Kosma L., Mytas D., Tzoumari I., Dendrinou I., Kolympianaki P., Pappas L., Athanasopoulou E., Bader M., Pyrgakis V., Farmaki K.  
 Cardiology Department & Thalassaemia Unit, Corinth General Hospital, Corinth, Greece

- 10:55 – 11:00**  
**P29 CMR assessment of intracaval & intracardiac extension of Renal Cell Carcinoma, in comparison with surgery**  
 Dr JV Raj, Dr Jonathan L Hart, Mr Timothy Christmas, Mr Neil E Moat and Dr Raad Mohiaddin  
 Royal Brompton & Harefield NHS Trust and Royal Marsden Hospital, London, UK.

### Poster Session 3/2

**Chair: Sophie Mavrogeni (Athens, Greece)**

- 10:30 – 10:35**  
**P30 Significance of late gadolinium enhancement in patients with mitral valve prolapse- A preliminary report**  
 Sanjiv Joshi, JV Raj and Sanjay Prasad  
 Royal Brompton and Harefield NHS Trust, London. UK
- 10:35 – 10:40**  
**P31 Prediction of microvascular obstruction on segmental left ventricular wall thickness and wall thickening after 4 months in reperfused acute myocardial infarction**  
 F. Afsharzada, R. Nijveldt, A.M. Beek, M.B.M. Hofman, A.C. van Rossum



Department of Cardiology, Department of Physics and Medical Technology, ICaR-VU, VU University Medical Center, Amsterdam

- 10:40 – 10:45** **T2\* CMR could detect preferential patterns of iron deposition in thalassemia patients**  
**P32**  
 A Meloni, V Positano, A Pepe, G Pepe, G Rossi, A Filosa, F Ferrara, A Quarta, P Keilberg, MC Dell’Amico, M Lombardi  
 “G. Monasterio” Foundation, Institute of Clinical Physiology, CNR, Pisa, Italy
- 10:45 – 10:50** **Heterogeneous cardiac response to dobutamine magnetic resonance stress test in patient with LV dysfunction**  
**P33**  
 G D. Aquaro, V. Lionetti, C. Passino, PG. Masci, V. Valenti, E. Strata, M. Emdin, M. Lombardi, A. Pingitore  
 Fondazione Toscana Gabriele Monasterio- Institute of Clinical Physiology -CNR, Pisa, Italy
- 10:50 – 10:55** **Obstructive sleep apnoea is associated with increased atheroma burden**  
**P34**  
 Ilias Kylintireas, Sonya Craig†, Malcolm Kohler†, Jane Francis, Robin Choudhury, John Stradling†, Stefan Neubauer  
 † Oxford Centre for Respiratory Medicine, University of Oxford, Churchill Hospital, Oxford, UK
- 10:55 – 11:00** **Obstructive sleep apnoea severity is associated with left ventricular hypertrophy**  
**P35**  
 Ilias Kylintireas, Sonya Craig†, Malcolm Kohler†, Jane Francis, Robin Choudhury, John Stradling†, Stefan Neubauer  
 † Oxford Centre for Respiratory Medicine, University of Oxford, Churchill Hospital, Oxford, UK  
 Department of Cardiovascular Medicine, University of Oxford, Oxford, UK
- 11:00 – 12:00** **Session XIV – Selected Abstracts**  
**-Technical advancement and new insight-**



- Chair:** **Sven Plein (Leeds, UK)**  
**Juerg Schwitter (Lausanne, Switzerland)**
- 11:00 – 11:10** **64** **The Utility of the Cardiac Magnetic Resonance Myocardial Perfusion Reserve Index in Assessment of Internal Mammary Bypass Grafts with a 32-Channel Cardiac Coil**  
J Wong, R Boubertakh, A Mathur, MJ Westwood, LC Davies  
London Chest Hospital, Barts and the London NHS Trust
- 11:10 – 11:20** **65** **The effect of a stationary gel phantom for baseline correction on antegrad flow and regurgitant fraction in phase contrast velocity measurement in routine clinical cardiovascular magnetic resonance**  
Christian Meierhofer, Christine Lyko, Eike P. Schneider, Stefan Martinoff, Heiko Stern, John Hess, Sohrab Fratz  
Pediatric Cardiology and Congenital Heart Disease, Deutsches Herzzentrum München, TUM, Munich, Germany
- 11:20 – 11:30** **66** **Evaluation of flow and pulsation of the peripheral pulmonary arteries in presence of severe pulmonary regurgitation: a magnetic resonance imaging study**  
Eva Voser, Christian J Kellenberger, Emanuela R Valsangiacomo Buechel  
University Children's Hospital Zurich
- 11:30 – 11:40** **67** **Training is associated with an enlargement of the atria in males but not in females**  
H. Mosen, K. Steding, T. Buhre, B. Wohlfart, H. Arheden  
Department of Clinical Physiology, Lund University Hospital, Sweden
- 11:40 – 11:50** **68** **7T MRI of the ex vivo perfused rat heart**  
Lisa Drange-Hole, Tina Pavlin PhD, Terje H. Larsen, MD, PhD, Jan D. Schjøtt, MD, PhD  
Faculty of Medicine University of Bergen, N-5009 Bergen, Norway, Haukeland University Hospital, N-5021 Bergen, Norway



- 11:50 – 12:00**      **Quantification of the contribution of septal motion to right and left ventricular stroke volume in healthy subjects, athletes and patients with pulmonary regurgitation**  
69  
Stephensen, SS<sup>1,2</sup>, Einar Heiberg<sup>1</sup>, Arheden H<sup>1</sup>, Carlsson, M<sup>1</sup>  
Dep of Clinical Physiology<sup>1</sup>, Dep of Pediatric Cardiology<sup>2</sup>
- 12:00 – 13:30**      **Session XV – Innovative Aspects**
- Chair:**              **Frank Rademakers (Leuven, Belgium)**  
**Juerg Schwitter (Lausanne, Switzerland)**
- 12:00-12:15      **Interventional MRI**  
70      Gerald Greeceil (London, UK)
- 12:15-12:30      **Hyperpolarized Contrast Media**  
71      Marie Schroeder (Oxford, UK)
- 12:30-12:45      **3T Cardiac Imaging is Ready?**  
72      Massimo Lombardi (Pisa, Italy)
- 12:45-13:00      **Plaque Imaging - Anything is New?**  
73      Marc Sirol (Paris, France)
- 13:00-13:15      **Awards**
- 13:15-13:30      **Adjourn**
- 14:30-16:30      **CMR Examination**  
Sven Plein (Leeds, UK)  
Massimo Lombardi (Pisa, Italy)