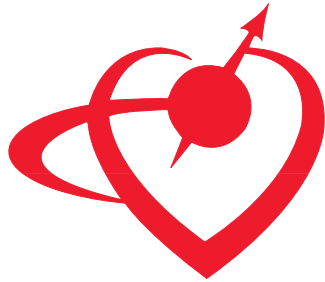


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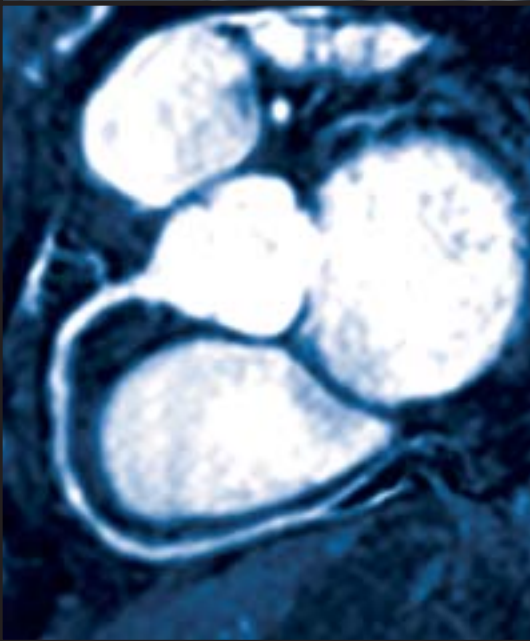
SCMR

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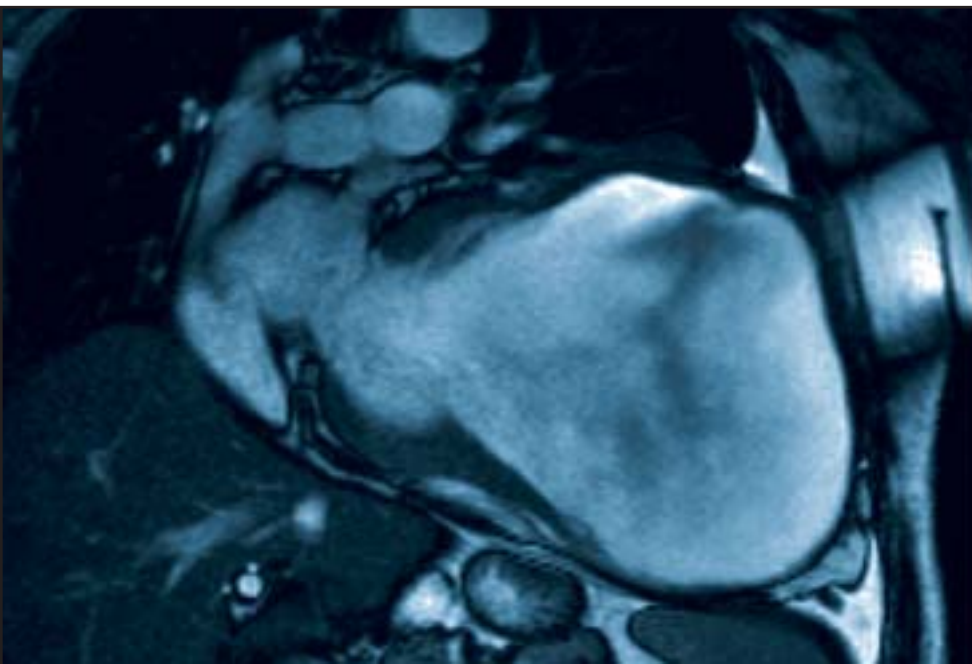


EUROPEAN
SOCIETY OF
CARDIOLOGY

*Working Group
Cardiovascular MR*



Barcelona



*Seventh Annual
SCMR Scientific Sessions/
Euro CMR 2004 Meeting
February 13-15, 2004
Hotel Fira Palace
Barcelona, Spain*



ACKNOWLEDGMENTS

The Society for Cardiovascular Magnetic Resonance and the Working Group Cardiovascular MR of the European Society of Cardiology gratefully acknowledge the support of this meeting and its objectives, from the following companies:

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JOINTLY SPONSORED ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the UNIVERSITY OF MINNESOTA and the Society for Cardiovascular Magnetic Resonance and the European Society of Cardiology. The University of Minnesota is accredited by the ACCME to provide continuing medical education for physicians.

DESIGNATION STATEMENT

The University of Minnesota designates the **Pre-Conference Physicians Workshop** for a maximum of 7.75 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.

The University of Minnesota designates the **2004 Annual Scientific Sessions** for a maximum of 18.0 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.

The American Society of Radiological Technologists (ASRT) designates the **Technologist Workshop** for up to 7.0 hours in category A credit. Each registrant should claim only those hours of credit actually spent in the educational activity.

The American Medical Association (AMA) has determined that physicians not licensed in the US who participate in this CME activity are eligible for AMA PRA category 1 credit.

DISCLOSURE

The University of Minnesota Office of Continuing Medical Education has a policy regarding disclosure of financial relationships. It requires course faculty to disclose whether or not they have financial interests or affiliations with organizations with a direct and substantial interest in the subject matter of their presentations. This information is provided in an addendum to the faculty listing as a matter of information for the audience.

WHO SHOULD ATTEND?

The intended audience consists of trainees and clinical practitioners in cardiology, cardiothoracic surgery, cardiovascular radiology and scientists from related fields.

The Goals of the Conference are to:

- Deliver state of the art information on the science of cardiovascular MR imaging and spectroscopy.
- Provide a forum for the presentation of new information on cardiovascular magnetic resonance.
- Compare and contrast cardiovascular magnetic resonance methods with other cardiovascular imaging approaches.

JOINT SPONSORS

The *Society for Cardiovascular Magnetic Resonance* was founded to be an international organization dedicated to the education of interdisciplinary cardiovascular investigators and clinicians in the application of magnetic resonance to the heart and its circulation; to the advancement and dissemination of the understanding, appropriate use and performance techniques; and to the provision of a forum for discussion of clinical, research, and other issues relevant to the field.

The goal of the *Working Group on Cardiovascular MR* is to promote the study, knowledge, development and application of magnetic resonance imaging and spectroscopy in cardiology, through the organization of scientific meetings and courses, by the exchange of information, by the stimulation of research (fundamental and clinical), by the elaboration of rules of conduct for indications and use of the technique, by the elaboration of criteria for accreditation and credentialing and other means.

The University of Minnesota is the provider of category 1 credits.



Working Group
Cardiovascular MR

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Tim Jones - Technologist Chair
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**Christopher M. Kramer, MD - Education
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Magnetic Resonance



EUROPEAN
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Working Group
Cardiovascular MR



Working Group
Cardiovascular MR

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Admission to the Scientific Sessions and Other Events

Your name badge is your admission ticket and will be required for access to all annual scientific sessions, including admission to the exhibit hall and the social event and will be included in your registration package. Please be sure to wear your name badge at all times.

Registration Hours

SALON LOBBY

Wednesday, February 11	7:00 p.m. - 9:00 p.m.
Thursday, February 12	7:00 a.m. - 5:00 p.m.
Friday, February 13	7:00 a.m. - 5:00 p.m.
Saturday, February 14	8:00 a.m. - 5:00 p.m.
Sunday, February 15	8:00 a.m. - 12:00 p.m.

Exhibit Hall Hours

Friday, February 13	10:00 a.m. - 6:00 p.m.
Saturday, February 14	10:00 a.m. - 4:00 p.m.

SPEAKER READY ROOM – *SALON AMBAR*

The 2004 Program Committee is committed to providing cutting edge technology at the Annual Scientific Meeting with its use of complete AudioVisual Networking capabilities. This will enable each speaker to view/edit their presentation in the speaker ready room in advance and the changes to be available to them in their respective meeting room when they arrive. Each meeting room will have a networked desktop computer at the podium and each presentation will be virtually a click away.

Pre-Conference Physicians Workshop Introduction to Cardiovascular MR

Thursday, February 12, 2004



Working Group
Cardiovascular MR

8:00 AM-8:10 AM	WELCOME ADDRESS	SALON VERDI
	Stefan Neubauer, MD <i>John Radcliffe Hospital</i>	Guillem Pons-Llado, MD <i>Hospital de Sant Creu i Sant Pau</i>
	Zahi A. Fayad, PhD <i>Mount Sinai Medical Center</i>	
8:10 AM-9:50 AM	HOW TO SESSIONS I: CMR TECHNOLOGY AND TECHNIQUES	
	Moderator Zahi A. Fayad, PhD <i>Mount Sinai Medical Center</i>	
8:10 AM-8:30 AM	PERTINENT MR PHYSICS FOR CMR David Firmin, PhD <i>Royal Brompton Hospital</i>	
8:30 AM-8:50 AM	HOW TO SET UP AND RUN A CMR STUDY Walter J. Rogers, Jr., PhD <i>University of Virginia</i>	
8:50 AM-9:10 AM	CMR SEQUENCES AND PHYSIOLOGY Leon Axel, MD, PhD <i>NYU School of Medicine</i>	
9:10 AM-9:30 AM	QUANTIFICATION OF VENTRICULAR FUNCTION AND MASS Victor Ferrari, MD <i>University of Pennsylvania Medical Center</i>	
9:30 AM-9:50 AM	MEASUREMENT OF BLOOD FLOW Raad Mohiaddin, MD, PhD <i>Royal Brompton Hospital</i>	
9:50 AM-10:20 AM	BREAK	
10:20 AM-12:20 PM	HOW TO SESSIONS II: CMR APPLICATIONS	
	Moderator Guillem Pons-Llado, MD <i>Hospital de Sant Creu i Sant Pau</i>	
10:20 AM-10:40 AM	HOW TO DO REST AND STRESS FUNCTION IMAGING Joerg Barkhausen, MD <i>University Hospital Essen</i>	
10:40 AM-11:00 AM	HOW TO DO REST AND STRESS PERFUSION IMAGING Juerg Schwitter, MD <i>University Hospital Zurich</i>	
11:00 AM-11:20 AM	HOW TO DO CORONARY IMAGING Sven Plein, MD <i>Leeds General Infirmary</i>	
11:20 AM-11:40 AM	HOW TO DO MR ANGIOGRAPHY: VASCULAR IMAGING AND FLOW Stefan O. Schoenberg, MD <i>Institute of Clinical Radiology, Munich</i>	
11:40 AM-12:00 PM	HOW TO DO MR ANGIOGRAPHY: AORTA AND PERIPHERAL VESSELS Martin R. Prince, MD, PhD <i>Weill Medical College of Cornell University</i>	
12:00 PM-12:20 PM	PANEL DISCUSSION	
12:20 PM-2:00 PM	LUNCH (on own)	



EUROPEAN
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Working Group
Cardiovascular MR

2:00 PM-3:20 PM

HOW TO SESSIONS III: CLINICAL REFERRALS FOR CMR – PART ONE

Moderator

Richard Slaughter, MD
Prince Charles Hospital

2:00 PM-2:20 PM

CONGENITAL HEART DISEASE

Albert de Roos, MD
Leiden University Medical Center

2:20 PM-2:40 PM

PULMONARY HYPERTENSION

Michael Poon, MD
Mount Sinai Medical Center

2:40 PM-3:00 PM

ARRYTHMOGENIC RIGHT VENTRICULAR DYSPLASIA

David Bluemke, MD, PhD
Johns Hopkins Hospital

3:00 PM-3:20 PM

CARDIAC TUMORS AND THROMBI

Steven Wolff, MD, PhD
Lenox Hill Hospital

3:20 PM-4:20 PM

HOW TO SESSIONS IV: CLINICAL REFERRALS FOR CMR – PART TWO

Moderator

Alicia M. Maceira, MD
ERESA Hospital General de Castellon

3:20 PM-3:40 PM

MYOCARDIAL AND PERICARDIAL DISEASE

Guillem Pons-Llado, MD
Hospital de Sant Creu i Sant Pau

3:40 PM-4:00 PM

VALVULAR HEART DISEASE

Saul Myerson, MD
John Radcliffe Hospital

4:00 PM-4:20 PM

ISCHEMIC HEART DISEASE AND VIABILITY

Joao Lima, MD, MBA
Johns Hopkins University

4:20 PM-4:40 PM

BREAK

4:40 PM-6:00 PM

CASE INTERPRETATION PANEL

Moderator

Matthias G. Friedrich, MD
Franz-Volhard-Klinik - Berlin

Panelists

Albert van Rossum, MD
VU Medical Center

Steven Wolff, MD, PhD
Lenox Hill Hospital

Scott D. Flamm, MD
St. Luke's Episcopal Hospital

Edward Martin, MD
Oklahoma Heart Institute

6:00 PM-6:30 PM

BREAK

6:30 PM-7:00 PM

HOW TO SESSION V: HOW TO START A CMR PRACTICE

Moderator

Luis Jesús Jiménez-Borreguero, MD
Hospital Universitario Principe de Asturias

6:30 PM-6:45 PM

CMR PRACTICE IN USA

Edward Martin, MD
Oklahoma Heart Institute

6:45 PM-7:00 PM

CMR PRACTICE IN EUROPE

Oliver Strohm, MD
MRT-Zentrum am Sankt-Gertrauden-Krankenhaus

7:00 PM-8:00 PM

TUTORIAL: MEDIS TEACHING FILE VIEWING AND QUIZ

8:00 PM

RECEPTION

SALON VERDI

PROGRAM AGENDA - Seventh Annual SCMR Scientific Sessions/Euro CMR 2004 Meeting

Friday, February 13, 2004



Working Group
Cardiovascular MR

8:20 AM-8:50 AM SCMR BUSINESS MEETING SALON VERDI

9:00 AM-9:20 AM WELCOME ADDRESSES

Robert Balaban, PhD
National Institutes of Health
Stefan Neubauer, MD
John Radcliffe Hospital

Guillem Pons-Llado, MD
Hospital de Sant Creu i Sant Pau
Frank Rademakers, MD, PhD
University Hospital Gasthuisberg KULeuven

9:20 AM-11:30 AM PLENARY SESSION I : CMR IN HEART FAILURE

Moderators:

Robert Balaban, PhD
National Institutes of Health

Stefan Neubauer, MD
John Radcliffe Hospital

9:20 AM-9:45 AM HEART FAILURE: A 21ST CENTURY PERSPECTIVE

Philip Poole-Wilson, MD
Imperial College London

9:45 AM-10:05 AM CMR INVESTIGATION OF EXPERIMENTAL MODELS OF HEART FAILURE

Frank Wiesmann, MD
Würzburg University

10:05 AM-10:25 AM CMR FOR DIAGNOSING THE ETIOLOGY OF HEART FAILURE – ISCHEMIC CAUSES

Christopher M. Kramer, MD
University of Virginia Health System

10:25 AM-10:45 AM CMR FOR DIAGNOSING THE ETIOLOGY OF HEART FAILURE – NON-ISCHEMIC CAUSES

Dudley Pennell, MD
Royal Brompton Hospital

10:45 AM-11:05 AM CARDIAC ENERGETICS – A KEY PLAYER IN THE PATHOGENESIS OF HEART FAILURE – ASSESSED BY MR SPECTROSCOPY

Stefan Neubauer, MD
John Radcliffe Hospital

11:05 AM-11:25 AM CMR IN CLINICAL HEART FAILURE TRIALS

Inder Anand, MD, PhD
VA Medical Center

11:25 AM-11:40 AM DISCUSSION

11:40 AM-12:00 PM BREAK

12:00 PM-1:00 PM ORAL ABSTRACTS (3 PARALLEL SESSIONS)

BEST ORAL ABSTRACTS COMPETITION

SALON VERDI

Moderators:

Leon Axel, MD, PhD
NYU School of Medicine

Roderic I. Pettigrew, MD, PhD
National Institutes of Health

12:00 PM - 12:10 PM 101 - Improved Regional Function After Stem Cell Treatment In The Canine Chronic Infarct Model
Robert P. Gallegos, MD

12:10 PM - 12:20 PM 102 - Myocardial MRI In Sarcoidosis: 3-Years Follow-up And Evaluation Of The Effects Of Steroid Therapy
Olivier Vignaux, MD, PhD

12:20 PM - 12:30 PM 103 - Non Invasive Detection Of Myocardial Fibrosis In Arrhythmogenic Right Ventricular Dysplasia By Delayed-Enhancement Magnetic Resonance Imaging - Correlation With Histopathology.
Harikrishna Tandri, MBRS

12:30 PM - 12:40 PM 104 - High Resolution Magnetic Resonance Imaging Demonstrates Impaired Brachial Artery Reactivity As Well As Reduced Aortic And Carotid Distensibility In Young Smokers
Frank Wiesmann, MD



Working Group
Cardiovascular MR

12:40 PM - 12:50 PM

105 - A Novel Method Of Estimating Pulmonary Vascular Resistance Utilizing Invasive Pressure Monitoring And MR Flow Data With XMR
Vivek Muthurangu, MBChB (hons)

12:50 PM - 1:00 PM

106 - Oxidative And Non-oxidative Myocardial Energy Metabolism During Low Flow Ischemia Measured By Carbon-13 And Proton NMR Spectroscopy
Steven G. Lloyd, MD, PhD

CMR APPROACHES TO VASCULAR DISEASE AND FLOW ANALYSIS

SALON VIVALDI

Moderators:

Hajime Sakuma, MD
Mie University Hospital

Christopher M. Kramer, MD
University of Virginia Health System

12:00 PM - 12:10 PM

107 - Accelerating PC-SSFP Velocity Mapping Using k-t BLAST
Christof Baltes, MSc

12:10 PM - 12:20 PM

108 - Direct Quantification Of Mitral Regurgitation With Phase Velocity Mapping
Saul Myerson, MD

12:20 PM - 12:30 PM

109 - Limited Flow Reserve Measured By MRI In Bypass Grafts Supplying Infarcted Myocardium
Christian Spies, MD

12:30 PM - 12:40 PM

110 - Application Of MRI Phase Velocity Mapping For Detection Of Aortic Valve Gradients In Patients With Severe Aortic Stenosis As Compared To Echocardiography; Who Is Right?
Vikas K. Rath, MD

12:40 PM - 12:50 PM

111 - Noninvasive Diagnosis Of Cardiac Shunts In Humans Using Rapid O2-enhanced 1H MR T1 Mapping
Christian M. Wacker, MD

12:50 PM - 1:00 PM

112 - Pulmonary Vein Ostial Area And Eccentricity Are Better Predictors For Atrial Fibrillation Than Pulmonary Vein Maximum Diameter
Margit A. Nemetb, MD

CMR VALIDATION OF THERAPEUTIC EFFECTS

SALON ROSSINI

Moderators:

Massimo Lombardi, MD
*CNR Research-Clinical
Physiology Institute*

Zahi A. Fayad, MD
Mount Sinai Medical Center

12:00 PM - 12:10 PM

113 - Feasibility Of Early Magnetic Resonance Imaging For Assessment Of Treatment Effects Of Tirofiban In Patients After Primary Percutaneous Transluminal Coronary Angioplasty And Stenting For Acute Myocardial Infarction
Henning Steen, MD

12:10 PM - 12:20 PM

114 - Effect Of Glycoprotein IIb/IIIa Antagonist On The Extent Of Irreversible Microvascular Injury In Patients With Reperfused Acute Myocardial Infarction
Nidal Al-Saadi, MD

12:20 PM - 12:30 PM

115 - The Effect Of Intraaortic Balloon Counterpulsation On Regional Systolic Function After Acute Myocardial Infarction - Randomized Experimental Magnetic Resonance Imaging Trial
Clerio F. Azevedo

12:30 PM - 12:40 PM

116 - Elective Angioplasty Induces Resting Microvascular Perfusion Abnormalities Detectable By Magnetic Resonance Imaging
Andrew Taylor, MD

12:40 PM - 12:50 PM

117 - In Vivo Tracking Of Human Adipo-Derived Multilineage Progenitor Cells By CMR In A Murine Model Of Myocardial Infarction
Brent A. French, PhD

12:50 PM - 1:00 PM

118 - Dobutamine Stress Cardiac Magnetic Resonance Imaging (CMR) In Children And Young Adults After Correction Of Tetralogy Of Fallot (TOF)
W.J.B.W. van den Berg, MD, PhD

1:00 PM-2:30 PM

LUNCH (ON OWN)-POSTER VIEWING SESSION I

Posters 201 - 210, 221 - 394

LOWER LEVEL EXHIBIT AREA

Abstracts can be viewed in their entirety in the Journal Of Cardiovascular Magnetic Resonance, Volume 6, Number 1.

2:30 PM-4:00 PM

PARALLEL SESSIONS

SALON VERDI
EMERGING NEW ROLES FOR CMR

Moderators:
Albert van Rossum, MD
VU Medical Center
Victor Ferrari, MD
University of Pennsylvania Medical Center

SALON VIVALDI
MOLECULAR IMAGING WITH CMR

Moderators:
Samuel Wickline, MD
Washington University at St. Louis
Kieran Clarke, PhD
University of Oxford

LOWER LEVEL EXHIBIT AREA

POSTER VIEWING SESSION II
Posters 201 - 210, 221 - 394
Abstracts can be viewed in their entirety in the Journal of Cardiovascular Magnetic Resonance, Volume 6, Number 1.

2:30 PM-2:45 PM
HYPERTENSIVE HEART DISEASE
Hildo J. Lamb, PhD
Leiden University Medical Center

2:30 PM-2:50 PM
STATE OF THE ART IN MOLECULAR IMAGING AND TARGETED THERAPEUTICS
Gregory M. Lanza, MD, PhD
Washington University at St. Louis

2:45 PM-3:00 PM
DIABETES
Kieran Clarke, PhD
University of Oxford

2:50 PM-3:05 PM
MR SPECTROSCOPY, MT AND MT AGENTS FOR MOLECULAR IMAGING
Robert Balaban, PhD
National Institutes of Health

3:00 PM-3:15 PM
AGEING
Jan Bogaert, MD
University Hospitals

3:05 PM-3:20 PM
EARLY PLAQUE IDENTIFICATION WITH SUPERPARAMAGNETIC PARTICLES OF IRON OXIDE
Peter Hunold, MD
University Hospital Essen

3:15 PM-3:30 PM
WOMEN'S HEALTH
Gerald M. Pohost, MD
University of Southern California

3:20 PM-3:35 PM
CELL IMAGING AND STEM CELL THERAPY
Dara Kraitchman, VMD, PhD
Johns Hopkins University School of Medicine

3:30 PM-3:45 PM
CHILDREN
Frederick K. Emge, MD
Geisinger Medical Center

3:35 PM-3:50 PM
GENE EXPRESSION IMAGING: PET VS. MRI
Markus Schwaiger, MD
Technische Universität München

3:45 PM-4:00 PM
DISCUSSION

3:50 PM-4:00 PM
DISCUSSION

4:00 PM-4:30 PM

BREAK

4:30 PM-6:00 PM

ORAL ABSTRACTS (3 PARALLEL SESSIONS)

INFARCT IMAGING BY CMR: NEW ASPECTS AND CORRELATION TO OTHER METHODS

SALON VERDI

Moderators:
Ronald Peshock, MD
UT Southwestern Medical at Dallas
Sophie Mavrogeni, MD
Onassis Cardiac Surgery Center - Athens

- 4:30 PM - 4:40 PM** **119 - Reproducibility Of Acute And Chronic Infarct Size Measurement By Contrast-Enhanced Magnetic Resonance Imaging**
Holger Thiele, MD
- 4:40 PM - 4:50 PM** **120 - Geometry, Scar Patterns, And Regional Function Of The Left Ventricle In The Development Of "Ischemic" Mitral Regurgitation**
Monvadi B. Srichai, MD
- 4:50 PM - 5:00 PM** **121 - The Anatomical Basis Of Q-Wave VS Non-Q-Wave Myocardial Infarction**
James C. Moon, MB BCh
- 5:00 PM - 5:10 PM** **122 - Assessment Of Viability In Patients With Chronic Total Occlusions**
Han W. Kim, MD
- 5:10 PM - 5:20 PM** **123 - The Apparent TI Time For Optimal MDE Imaging Differs Between The Right And Left Ventricles**
Milind Y. Desai, MD



Working Group Cardiovascular MR



Working Group
Cardiovascular MR

- 5:20 PM - 5:30 PM** 124 - Early N-terminal Pro Brain Natriuretic Peptide Release In Acute Coronary Syndromes Is Directly Related To Infarct Size Measured By Contrast Enhanced Cardiac Magnetic Resonance Imaging
Thomas N. Martin, BSc
- 5:30 PM - 5:40 PM** 125 - ST Segment Resolution, Time From Symptom Onset To Reperfusion, TIMI Flow Grades, And CK-Release: Association With Infarct Size As Assessed By Delayed Enhancement Magnetic Resonance Imaging
Holger Thiele, MD
- 5:40 PM - 5:50 PM** 126 - Contrast MRI Predicts Reverse Remodeling And Contractile Improvement In Akinetic Thinned Myocardium
Dipan J. Shah, MD
- 5:50 PM - 6:00 PM** 127 - Additional Low-Dose Dobutamine Predicts Segmental Improvement Six Months After Bypass Surgery Better Than Late Gadolinium Enhancement Alone
Anna S. John

CLINICAL UTILITY OF CMR STRESS STUDIES

SALON VIVALDI

Moderators:

Jeanette Schulz-Menger, MD **Elliot McVeigh, PhD**
Helios-Klinikum Berlin *National Heart Lung and Blood Institute*

- 4:30 PM - 4:40 PM** 128 - Adenosine Stress Myocardial Perfusion Magnetic Resonance Imaging: Initial Experience In A Community Imaging Center
Scott E. Bingham, MD
- 4:40 PM - 4:50 PM** 129 - Comprehensive Stress MRI Compared To Stress Echo In The Evaluation Of Patients Presenting To The ED With Chest Pain
John Heitner, MD
- 4:50 PM - 5:00 PM** 130 - Multi-Component CMR Imaging Versus TIMI Risk Score For The Risk Stratification Of Acute Coronary Syndromes
Sven Plein, MD
- 5:00 PM - 5:10 PM** 131 - Clinical Evaluation Of Patients With Suspected Coronary Artery Disease Using A Multimodality Stress MRI Protocol
Igor Klem, MD
- 5:10 PM - 5:20 PM** 132 - Qualitative Evaluation Of Magnetic Resonance Myocardial Perfusion For The Detection Of Coronary Artery Stenosis
Nidal Al-Saadi, MD
- 5:20 PM - 5:30 PM** 133 - MRI Myocardial Perfusion Accurately Detects Cardiac Transplantation Arteriosclerosis And Predicts 6-Month Clinical Outcome
Marcus A. Averbach, MD
- 5:30 PM - 5:40 PM** 134 - Long Term Reproducibility Of Myocardial Perfusion Measurements By MRI
Michael Jerosch-Herold, PhD, BSc
- 5:40 PM - 5:50 PM** 135 - The Limits Of Quantifiable Differences In Dipyridamole Stress MRI Myocardial Perfusion Defects In Human Subjects With Coronary Artery Disease
Kenneth L. Rboads, MD
- 5:50 PM - 6:00 PM** 136 - Quantitative Assessment Of Myocardial Perfusion With A Spin-Labeling Technique: Preliminary Results In Patients With Coronary Artery Disease
Christian M. Wacker, MD

ANGIOGRAPHY AND INTERVENTIONAL CMR

SALON ROSSINI

Moderators:

John N. Oshinski, PhD **Bernhard Gerber, MD**
Emory University Center *Cliniques Universitaires St. Luc*

- 4:30 PM - 4:40 PM** 137 - Retrospective Correction For Respiratory Motion In Navigated Coronary Velocity Mapping
Christof Baltes, MSc
- 4:40 PM - 4:50 PM** 138 - Comparison Of Cartesian And Radial Balanced TFE Coronary MRA
Tim Leiner, MD, PhD
- 4:50 PM - 5:00 PM** 139 - Rapid Coronary Artery Imaging Using A True 32-Channel Phased Array MRI System
Thoralf Niendorf
- 5:00 PM - 5:10 PM** 140 - Tracking 3D Coronary Artery Motion By Intravascular MRI
Frederick Epstein, PhD
- 5:10 PM - 5:20 PM** 141 - In Vivo Cardiovascular Catheterization Under Real-Time MRI Guidance
Shaoyong Zhang, MD, PhD
- 5:20 PM - 5:30 PM** 142 - MR-Coronary Angiography Using A Contrast-Enhanced Breath-Hold 3D-FIESTA- Sequence: Initial Experiences
Anja Zagrosek, MD

5:30 PM - 5:40 PM

143 - Deployment Of Endovascular Stent For Aortic Coarctation Repair Under XMR-Guidance
Maythem Saeed, PhD

5:40 PM - 5:50 PM

144 - MRI Guided Implantation Of A Prosthetic Valve In Aortic Valve Position: Feasibility Study In Swine
Titus Kuehne, MD

5:50 PM - 6:00 PM

145 - Treatment Of Myocardial Infarction Using MR Delivery Of Feridex-labeled Mesenchymal Stem Cells: Effects On Global IV Function
Dara L. Kraitchman, VMD, PhD

6:10 PM-7:30 PM

SALON VERDI

CASE INTERPRETATION PANEL: READ WITH THE EXPERTS (I)

Moderators:

Guillem Pons-Llado, MD
Hospital de Sant Creu i Sant Pau
Victor Ferrari, MD
University of Pennsylvania Medical Center

Discussants:

Jan Bogaert, MD
University Hospitals
Peter Buser, MD
University Hospital
Charles B. Higgins, MD
UCSF Medical Center
Udo Sechtem, MD
Robert Bosch Krankenhaus

6:10 PM-7:30 PM

POSTER VIEWING SESSION III / MODERATED POSTER TOUR I

POSTERS 201 - 210

LOWER LEVEL EXHIBIT AREA

Abstracts can be viewed in their entirety in the Journal of Cardiovascular Magnetic Resonance, Volume 6, Number 1.

Moderators:

Christine H. Lorenz, PhD **Raad Mohiaddin, MD, PhD**
Siemens Medical Solutions *Royal Brompton Hospital*

201 - A Combined Single-Session Analysis Of Adenosine Perfusion And Of High-Dose Dobutamine Stress Cardiovascular Magnetic Resonance Improves Diagnosis Of Ischemia
Andreas Wabl, MD

202 - Low Dose Dobutamine Stress MR Is Superior To Infarct Imaging For The Prediction Of Functional Recovery After Revascularization
Eike Nagel, MD

203 - Age-Related Differences In Aortic Distensibility Modulate Left Ventricular Remodeling After Myocardial Infarction
Glenn A. Hirsch, MD

204 - High-Resolution Black-Blood Mri Of Human Carotid Atherosclerotic Plaque: Comparison Of Three- And Two-Dimensional Methods
Vasily L. Yarnykh, PhD

205 - Accurate Quantification Of Mitral Valvular Flow In Healthy Subjects And In Patients With Regurgitation Using Three-directional Velocity-Encoded MRI
Jos J. Westenberg, PhD

206 - Practical Guidelines On High-resolution Black-Blood MRI Of Carotid Atherosclerotic Plaque Using 3T Magnetic Field
Vasily L. Yarnykh, PhD

207 - In-Vivo Molecular MR Imaging Of Acute Coronary Thrombosis Using A Fibrin-Targeted Contrast Agent
René M. Botnar

208 - Three-Dimensional Displacement-Encoded Multi-Slice MRI Of The Mouse Heart
Wesley D. Gilson

209 - Diffusion Tensor MRI Delineates Specific Microscopic Structural Changes In Cardiomyopathic Syrian Hamsters
Junjie Chen

210 - Right Ventricular Pressure-Volume Loops And Pulmonary Pressure-Flow Relations In Patients With Pulmonary Hypertension: Assessment With An Interventional MRI Technique
Titus Kuehne

7:30 PM

USER MEETINGS



SCMR
*Society for Cardiovascular
Magnetic Resonance*



**EUROPEAN
SOCIETY OF
CARDIOLOGY**

*Working Group
Cardiovascular MR*

9:00 AM-10:30 AM

PLENARY SESSION II: CMR STRESS TESTING

SALON VERDI

Moderators:

Joao Lima, MD, MBA
Johns Hopkins University
Eckart Fleck, MD
Deutsches Herzzentrum

9:00 AM-9:15 AM

**PHARMACOLOGICAL STRESS IN A MAGNET:
CHOICE OF AGENT, DOSE, AND DURATION**

Udo Sechtem, MD
Robert Bosch Krankenhaus

9:15 AM-9:30 AM

THE POSITIVE INOTROPE CMR STRESS TEST – ANALOGY TO STRESS ECHO

Frank Rademakers, MD, PhD
University Hospital Gasthuisberg KULeuven

9:30 AM-9:45 AM

THE VASODILATOR CMR STRESS TEST – ANALOGY TO STRESS SPECT

Dipan J. Shah, MD
Nashville Cardiovascular Magnetic Resonance Institute

9:45 AM-10:00 AM

CARDIAC STRESS TESTING BY MAGNETIC RESONANCE SPECTROSCOPY

Cees J. A. van Echteld, PhD
Heart Lung Center Utrecht

10:00 AM-10:15 AM

POSITIVE INOTROPE VS. VASODILATOR STRESS TESTS - WHICH IS BETTER?

Eike Nagel, MD
German Heart Institute - Berlin

10:15 AM-10:30 AM

DISCUSSION

10:30 AM-11:30 AM

PLATINUM SPONSOR PRESENTATIONS

Specialized MR Systems and Imaging Sequences

Moderator:

Warren J. Manning, MD
Beth Israel Deaconess Medical Center

10:30 AM Siemens Medical Solutions USA, Inc.

10:45 AM Philips Medical Systems

11:00 AM GE Medical Systems

11:15 AM Discussion

11:30 AM-12:00 PM

BREAK

12:00 PM-1:00PM

ORAL ABSTRACTS (3 PARALLEL SESSIONS)

**CMR TISSUE CHARACTERISATION:
CLINICAL APPLICATIONS**

SALON VERDI

Moderators:

Robert Judd, PhD
*Duke Cardiovascular
Magnetic Resonance Center*

Juerg Schwitter, MD
University Hospital Zurich

12:00 PM - 12:10 PM

146 - Use Of Magnetic Resonance Imaging To Evaluate The Depth And Transmurality Of Radiofrequency Ablation Lesions
Timm Dickfeld, MD, PhD

12:10 PM - 12:20 PM

147 - The Utility Of Contrast Enhanced MRI For Screening Patients At Risk For Malignant Ventricular Tachyarrhythmias
Igor Klem, MD

12:20 PM - 12:30 PM

148 - Late Enhancement In MR Imaging Of Arrhythmogenic Right Ventricular Cardiomyopathy
Peter Hunold, MD

12:30 PM - 12:40 PM

149 - Myocardial Delayed Enhancement MRI Detects Myocardial Fibrosis And Is Associated With Worse Left Ventricular Function And Biopsy Increased Collagen Content In Patients With Severe Chronic Aortic Valve Disease
Marcelo Nigri, MD

12:40 PM - 12:50 PM

150 - Cardiovascular Magnet Resonance Assessment Of Human Myocarditis; A Comparison To Histology And Molecular Pathology
Heiko Mahrholdt, MD

12:50 PM - 1:00 PM

151 - Non-Invasive Early Detection Of Acute Cardiac Allograft Rejection By MRI
Yijun L. Wu, PhD



*Working Group
Cardiovascular MR*

NEW CMR APPROACHES: A WIDE SPECTRUM OF CLINICAL POTENTIAL

SALON VIVALDI

Moderators:

Thorsten Dill, MD
Kerckhoff-Klinik

Steven Wolff, MD, PhD
Lenox Hill Hospital

- 12:00 PM - 12:10 PM** **152 - Infarct Size Measurement Using Fast T1-Mapping And Correlation With Myocardial Delayed Enhancement**
Sandeep N. Gupta, PhD
- 12:10 PM - 12:20 PM** **153 - Three-Dimensional Reconstruction Of Cardiac Fiber Structure Using Diffusion Tensor MRI**
Urs Gamper, PhD
- 12:20 PM - 12:30 PM** **154 - A Novel Radial MRI Technique For Obtaining High-resolution Images Of The Heart With Variable Contrast From A Single K-Space Data Set**
Maria I. Altbach, PhD
- 12:30 PM - 12:40 PM** **155 - Evidence Of Malic Enzyme Activity In Isolated Perfused Rabbit Hearts By 13C-NMR Spectroscopy**
Hetal R. Bhakta, MD
- 12:40 PM - 12:50 PM** **156 - Evaluation Of Free-Breathing Balanced Fast Field Echo Whole Heart MR Angiography**
David Maintz, MD
- 12:50 PM - 1:00 PM** **157 - Clinical Value Of Axial Thoracic HASTE In CMR**
Rainer Ott, MD

EVALUATION OF ATHEROSCLEROSIS

SALON ROSSINI

Moderators:

André Duerinckx, MD, PhD
VA North Texas Health Care Systems

Thomas Voigtlaender, MD
Cardiovascular Center CCB

- 12:00 PM - 12:10 PM** **158 - Histologic Validation Of In-Vivo Characterization Of Plaque Components By Intravascular MRI**
Walter J. Rogers, PhD
- 12:10 PM - 12:20 PM** **159 - Accuracy of In Vivo Quantitative Characterization Of Atherosclerotic Carotid Plaque: A High-Resolution, Multi Contrast Magnetic Resonance Imaging Study**
Tobias Saam, MD
- 12:20 PM - 12:30 PM** **160 - Long-Term Follow-up Study To Visualize Plaque Growing In-Hereditary Hyperlipidemic Rabbits Using Gadofluorine Enhanced MRI**
Jörg Barkhausen, MD
- 12:30 PM - 12:40 PM** **161 - Quantitative Molecular Imaging Of Fibrin With 19F MRI**
Anne M. Morawski, BS
- 12:40 PM - 12:50 PM** **162 - Antiangiogenic Therapy Of Early Atherosclerosis With Paramagnetic $\alpha\beta 3$ -Integrin-Targeted Fumagillin Nanoparticles**
Patrick M. Winter, PhD
- 12:50 PM - 1:00 PM** **163 - Functional Vascular Imaging By Selective Excitation And Global Coherent Free Precession (GCFP)**
Igor Klem, MD

1:00 PM-2:30 PM

LUNCH (ON YOUR OWN)-POSTER VIEWING IV

POSTERS 211 - 220, 395 - 571

LOWER LEVEL EXHIBIT AREA

Abstracts can be viewed in their entirety in the Journal Of Cardiovascular Magnetic Resonance, Volume 6, Number 1.

1:10 PM-2:10 PM

SCMR FELLOWS' AND STUDENTS' HOUR

SALON VERDI

Moderators:

V. Uma Valeti, MD
Mayo Clinic

Saul Myerson, MD
John Radcliffe Hospital

1:10 PM-1:30 PM

THE NEXT FIVE YEARS OF CMR AND WHY FELLOWS SHOULD CONSIDER IT IN THEIR CAREER

Robert Balaban, PhD
National Institutes of Health



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EUROPEAN SOCIETY OF CARDIOLOGY

Working Group Cardiovascular MR



Working Group
Cardiovascular MR

1:30 PM-1:50 PM

HOW TO BECOME AN EXPERT IN CMR AND WHAT TO LOOK FOR IN A TRAINING PROGRAM

Raymond J. Kim, MD
Duke University Medical Center

1:50 PM-2:10 PM

RESULTS OF FELLOWS SURVEY FROM 2003 AND GENERAL QUESTIONS

2:30 PM-4:00 PM

PARALLEL SESSIONS

SALON VERDI
DEBATES

SALON VIVALDI
CMR STUDIES IN GENE-TARGETED MICE

LOWER LEVEL EXHIBIT AREA
POSTER VIEWING SESSION V

Moderators:
Markus Schwaiger, MD
Technische Universität München
Herbert Frank, MD
Donau Klinikum

Moderators:
Ulrich K. Decking, MD
Heinrich-Heine-University Duesseldorf
Andrew Arai, MD
National Institutes of Health

POSTERS 211 - 220, 395 - 571
Abstracts can be viewed in their entirety in the Journal of Cardiovascular Magnetic Resonance, Volume 6, Number 1.

1. CORONARY ANGIOGRAPHY: CMR VS. CT

2:30 PM-2:45 PM

Audience vote

CMR
Warren J. Manning, MD
Beth Israel Deaconess Medical Center

MURINE CARDIOVASCULAR MRI - TECHNICAL CHALLENGES AND SOLUTIONS
Frederick Epstein, PhD
University of Virginia

2:45 PM-3:00 PM

CT
Stephan Achenbach, MD
Massachusetts General

LESSONS FROM MOUSE MODELS OF ACUTE AND CHRONIC ISCHEMIC INJURY
Brent A. French, PhD
University of Virginia

3:00 PM-3:15 PM

DISCUSSION
Audience re-vote

MR SPECTROSCOPY IN GENE-TARGETED MICE
Matthias Spindler, MD
Medizinische Uni-klinik Wuerzburg

2. CMR VS. ECHOCARDIOGRAPHY FOR ASSESSMENT OF MYOCARDIAL PERFUSION

3:15 PM-3:30 PM

Audience vote

CMR
Michael Jerosch-Herold, PhD
University of Minnesota

HIGH-THROUGHPUT MURINE EMBRYO PHENOTYPING WITH CMR
Juergen Schneider, PhD
University of Oxford

3:30 PM-3:45 PM

ECHO
Sanjiv Kaul, MD
UVA Health System

VASCULAR MR IMAGING IN GENE-TARGETED MICE
Vitalii Itskovich, PhD
Mount Sinai Medical Center

3:45 PM-4:00 PM

DISCUSSION
Audience re-vote

DISCUSSION

4:00 PM-4:20 PM

BREAK

4:20 PM-6:20 PM

PLENARY SESSION III: SPECIFIC ADVANTAGES OF CMR IN ISCHEMIC HEART DISEASE

SALON VERDI

Moderators:
Nathaniel Reichel, MD
St. Francis Hospital
Valentin Fuster, MD, PhD
Mount Sinai Medical Center

4:20 PM-4:40 PM

ROLE OF CMR IN ISCHEMIC HEART DISEASE: THE POTENTIAL AND THE CHALLENGES

Valentin Fuster, MD, PhD
Mount Sinai Medical Center

- 4:40 PM-4:55 PM **PERFUSION AND VIABILITY ASSESSMENT:
ADVANTAGES OF NUCLEAR MEDICINE TECHNIQUES**
Ernst E. van der Wall, MD
Leiden University Medical Center
- 4:55 PM-5:10 PM **PERFUSION MEASUREMENT BY CMR:
DETECTION OF CORONARY DISEASE AND RISK ASSESSMENT**
Norbert Wilke, MD
University of Florida
- 5:10 PM-5:25 PM **VIABILITY ASSESSMENT BY CMR**
Raymond Kim, MD
Duke University Medical Center
- 5:25 PM-5:40 PM **CMR FOR EVALUATION OF PATIENTS POST CORONARY ARTERY BYPASS SURGERY**
Joseph Selvanayagam, MD
John Radcliffe Hospital
- 5:40 PM-5:55 PM **ATHEROSCLEROSIS DETECTION BY CMR**
Zahi A. Fayad, PhD
Mount Sinai Medical Center
- 5:55 PM-6:10 PM **CMR QUESTIONNAIRE**
Gerald M. Pohost, MD
University of Southern California
- 6:10 PM-6:20 PM DISCUSSION**

6:25 PM-7:35 PM

**CASE INTERPRETATION PANEL:
READ WITH THE EXPERTS (II)**

SALON VERDI

Moderators:

Frank Rademakers, MD, PhD
University Hospital Gasthuisberg KULeuven
Lawrence Boxt, MD
Beth Israel Medical Center

Discussants:

Francesc Carreras, MD
Hospital de Sant Pau
Albert de Roos, MD
Leiden University Medical Center
Martin Lipton, MD
Brigham & Women's Hospital Center

6:25 PM-7:35 PM

POSTER VIEWING SESSION VI / MODERATED POSTER TOUR II

POSTERS 211 - 220

LOWER LEVEL EXHIBIT AREA

Abstracts can be viewed in their entirety in the Journal of Cardiovascular Magnetic Resonance, Volume 6, Number 1.

Moderators:

Albert van Rossum, MD **Leon Axel, MD, PhD**
VU Medical Center *NYU School of Medicine*

211 - Mapping Cardiac Contraction Timing In Man By High Temporal Resolution MRI Tagging: Early Onset And Late Peak Of Shortening In The Lateral Wall
Jaco J. Zwanenburg

212 - Effects Of Dobutamine Stress On Manganese-Enhanced MRI Of Pig Myocardium
Rolf Eriksson, BSc

213 - In Vivo Heating Of Pacemaker Leads During MRI
Roger Luechinger

214 - Non-Invasive Non-Contrast Cine Angiography Using Selective Excitation And Global Coherent Free Precession (GCFP)
Wolfgang G. Rehwald, PhD

215 - Myocardial Perfusion Measurements By Spin-Labeling Under Different Vasodynamic States
Christian M. Wacker

216 - Real-Time Trigger Delay Adaptation In Coronary MRA
Michael E. Huber

217 - High Resolution Spiral MRCA With Real-Time Localization At 3T
Juan Santos

218 - A Statistical Motion Atlas For Dynamically Assessing Myocardial Function In MRI
Nicolas F. Rougon, PhD



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219 - Electromechanical Modelling Of The Myocardium Using XMR Interventional Imaging
Maxime Sermesant

220 - Understanding Flow Artifacts And Localized Frequency Determination In Cardiac SSFP Imaging
Michael Schär

9:00 PM

SOCIAL EVENT/AWARD PRESENTATIONS SALONS VIVALDI/ROSSINI

Join your colleagues for hors d'oeuvres and cocktails before experiencing the exciting nightlife in Barcelona!

Presentations of:

- Best Oral Abstract Award
- Best Poster Award

Sunday, February 15, 2004

9:00 AM-10:30 AM

PARALLEL SESSIONS

SALON VERDI

ROLE OF CMR IN CONGENITAL HEART DISEASE

Moderators:

G. Wesley Vick, III, MD
Baylor College of Medicine

Ramon Ribes, MD
Hospital Reina Sofia

9:00 AM-9:15 AM

MRI IN INFANTS WITH COMPLEX CHD

Richard Slaughter, MD
Prince Charles Hospital

9:15 AM-9:30 AM

MR BLOOD FLOW MEASUREMENT IN CHD

Matthias Gutberlet, MD
Charité, Campus Virchow Klinikum

9:30 AM-9:45 AM

POSTOPERATIVE EVALUATION OF CHD

Albert de Roos, MD
Leiden University Medical Center

9:45 AM-10:00 AM

INTERVENTIONAL MRI IN CHD

Charles B. Higgins, MD
USCF Medical Center

10:00 AM-10:15 AM

MR-GUIDED CATHETERIZATION IN CHILDREN

Reza S. Rezavi, MD
Guy's, Kings and St. Thomas' School of Medicine

10:15 AM-10:30 AM

DISCUSSION

SALON VIVALDI

GUIDELINES AND REIMBURSEMENT

Moderators:

Edward Martin, MD
Oklahoma Heart Institute

Joerg Barkhausen, MD
University Hospital Essen

EUROPEAN SURVEY ON CMR PROCEDURES AND REIMBURSEMENT

Peter Buser, MD
University Hospital

STRATEGIC PLANNING OF CMR: CMR IN THE USA RADIOLOGY PRACTICE

Steven Wolff, MD, PhD
Lenox Hill Hospital

CMR IN CLINICAL ROUTINE: WHAT DOES IT TAKE IN THE US?

Samuel Wickline, MD
Washington University School of Medicine, St. Louis

CMR IN CLINICAL ROUTINE: WHAT DOES IT TAKE IN EUROPE?

Frank Rademakers, MD, PhD
University Hospital Gasthuisberg KULeuven

SUPPORT FROM THE SCMR

Nathaniel Reichel, MD
St. Francis Hospital

CMR GUIDELINES – INDICATIONS

Dudley Pennell, MD
Royal Brompton Hospital

10:30 AM-10:50 AM

BREAK

10:50 AM-12:45 PM

PLENARY SESSION IV: HOT TOPICS IN CMR

SALON VERDI

Moderators:

Robert Judd, PhD

Duke Cardiovascular Magnetic Resonance Center

Albert de Roos, MD

Leiden University Medical Center

10:50 AM-11:05 AM

INTERVENTIONAL MR

Albert C. Lardo, PhD

Johns Hopkins University

11:05 AM-11:20 AM

NEW ARTIFACT-FREE VASCULAR STENTS

Elmar Spuentrup, MD

Aachen Technical University

11:20 AM-11:35 AM

ROLE OF CMR IN CHAGAS DISEASE

Carlos E. Rochitte, MD, PhD

Heart Institute (InCor) São Paulo Medical School

11:35 AM-11:50 AM

CMR EVALUATION OF PATIENTS WITH ARRHYTHMIAS

Matthias G. Friedrich, MD

Franz-Volhard-Klinik - Berlin

11:50 AM-12:05 PM

LATE ENHANCEMENT IN CARDIOMYOPATHY: MECHANISMS AND SIGNIFICANCE

James Moon, MD

Royal Brompton Hospital

12:05 PM-12:20 PM

CMR AT 3T

Peter Boesiger, PhD

Institute of Biomedical Engineering University of Zurich and ETHZ

12:20 PM-12:30 PM

DISCUSSION

12:30 PM-12:45 PM

CLOSING REMARKS

Stefan Neubauer, MD

John Radcliffe Hospital

Warren J. Manning, MD

Beth Israel Deaconess Medical Center

12:45 PM

ADJOURN UNTIL JANUARY 21-23, 2005 IN SAN FRANCISCO, CA, USA



*Working Group
Cardiovascular MR*

Technologist Workshop

Saturday, February 14, 2004

9:30 AM-9:40 AM

OPENING REMARKS

SALON DIAMANT

Tim Jones, MSc
Leeds General Infirmary

9:45 AM-11:25 AM

SESSION 1: FUNDAMENTALS OF CMR-PART 1

Moderator

Tim Jones, MSc
Leeds General Infirmary

9:45 AM-10:15 AM

**CARDIAC 3D AND CROSS-SECTIONAL ANATOMY –
HIGHLIGHTING THE CARDIAC IMAGING PLANES**

Jane M. Francis
John Radcliffe Hospital

10:20 AM-10:50 AM

**BASICS OF ECG FORMATION, DETECTION AND
PHYSIOLOGICAL MONITORING – THEIR USE IN CARDIAC MRI**

Todd Williams, RT (R), MR
Washington University

10:55 AM-11:25 AM

CARDIAC MR SAFETY

Janet de Wilde, PhD
Imperial College London

11:25 AM-11:40 AM

BREAK

11:40 AM-1:20 PM

SESSION 2: FUNDAMENTALS OF CMR-PART 2

Moderator:

Kraig V. Kissinger, BS, RT (R), MR
Beth Israel Deaconess Medical Center

11:40 AM-12:10 PM

**CARDIAC MR PULSE SEQUENCES, BLOOD FLOW
APPEARANCES & QUANTIFICATION**

Frederick Epstein, PhD
University of Virginia

12:15 PM-12:45 PM

PARALLEL IMAGING

John P. Ridgway, PhD
Leeds General Infirmary

12:50 PM-1:20 PM

ESSENTIALS OF CE-MRA

Tim Leiner, MD, PhD
Maastricht University Hospital

1:20 PM-2:20 PM

LUNCH (on own)

2:20 PM-4:00 PM

SESSION 3: ACCEPTED APPLICATIONS

Moderator:

Jane M. Francis
John Radcliffe Hospital

2:20 PM-2:50 PM

BASICS OF CONGENITAL HEART DISEASE

Frank Macaluso
Mount Sinai Medical Center

2:55 PM-3:25 PM

NON-ISCHEMIC ACQUIRED HEART DISEASE

Robert Rollings, MD
Savannah Cardiology

3:30 PM-4:00 PM

LV & RV FUNCTION & ANALYSIS

Mary Watkins, RT, MR
Washington University Medical Center

4:00 PM-4:15 PM

BREAK



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Cardiovascular MR

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Working Group
 Cardiovascular MR

Grading and Selection of Abstracts

Seventh Annual SCMR Scientific Sessions/Euro CMR 2004 Meeting

The Annual Scientific Sessions Program Committee is responsible for selecting abstracts and meets at the annual sessions to set the agenda for the subsequent annual scientific meeting. Again, scientists from all over the world were invited to submit abstracts to the 2004 meeting. Abstract submission information was mailed to SCMR members in July 2003, and was available on the SCMR website, from August 1, 2003. Abstracts could be submitted to one of the following eight categories: Experimental MRS, Clinical MRS, Experimental MRI, New Methods, Clinical MRI - Ischemic Heart Disease; Clinical MRI - Vascular Disease; Clinical MRI - Congenital Heart Disease; Clinical MRI - Non-Ischemic Acquired heart disease. This year, a total of 463 abstracts from 27 countries were submitted. This represents an impressive 52 % increase compared to the previous year, clearly demonstrating worldwide expansion both of scientific interest and clinical use of CMR. Graders reviewed abstracts electronically according to scores (1-5, with 5 being the highest and 1 the lowest score), with institutions and authors anonymized. Each abstract was reviewed by at least 4 referees. Abstracts with a score above 3.50 were accepted for oral presentation at one of nine abstracts sessions, and were grouped together according to scientific theme. Abstracts scoring between 2 and 3.49 were selected for poster presentation. The six top-scoring abstracts were grouped together for the best oral abstract competition session. The 20 top-scoring abstracts among the posters were grouped together for two moderated poster sessions. We believe that this review process has resulted in a highly attractive scientific program that should be of interest to a wide audience interested in CMR, including clinical and basic scientists as well as practicing clinicians. However, suggestions for improving the review process are always welcome. Comments and suggestions should be addressed to the Chair of the Annual Scientific Sessions Committee.

*Matthias G. Friedrich, Abstracts Chairman
Stefan Neubauer, Program Chairman*

The Program Committee would like to thank the following Abstract Grading Consultants:

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**All abstracts presented during these Annual Scientific Sessions
can be viewed in their entirety in the Journal of Cardiovascular Magnetic Resonance,
Volume 6, Number 1.**





*Eighth Annual
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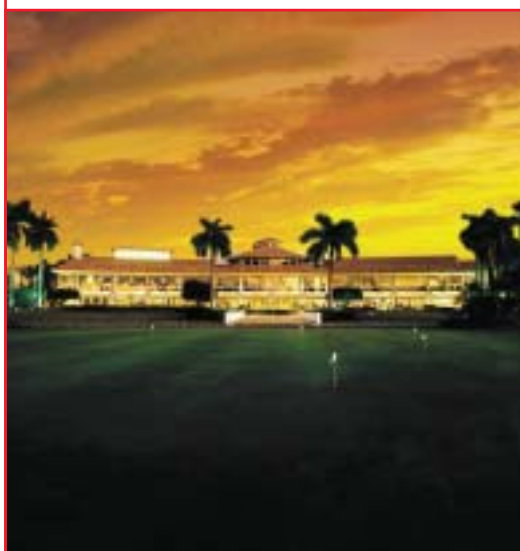


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*Ninth Annual
Scientific Sessions
January 20-22, 2006
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