Tenth Annual SCMR Scientific Sessions/
Sixth Meeting of the
Euro CMR Working Group

February 2 - 4, 2007

Rome Cavalieri Hilton
ROME
ITALY

The Tenth Annual SCMR Scientific Sessions/Sixth Meeting of the Euro CMR Working Group is accredited by the European Board for Accreditation in Cardiology (EBAC) for 24 hours of External CME credits.
THE SOCIETY FOR CARDIOVASCULAR MAGNETIC RESONANCE

SCMR Officers, Board Members, Planning Committee Members, ESC Working Group Members and Local Host Committee Members will participate as faculty during the Tenth Annual Scientific Sessions

Officers
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Stefan Neubauer, MD
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UK
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USA
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Eike Nagel, MD
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Mie University Hospital
Japan
Jürg Schwitter, MD
University Hospital
Switzerland
Mary Watkins, RT, MR, Ex-Officio
Washington University
USA

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University of Calgary
Canada
Massimo Lombardi, MD – Co-Chair
CNR, Clinical Physiology Institute
Italy
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Johns Hopkins Hospital
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University Hospital Basel
Switzerland
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Children’s Hospital of Philadelphia
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USA
Bernhard Gerber, MD
University of Leuven
Belgium
Tal Geva, MD
Children’s Hospital Boston
USA
Raymond J. Kim, MD
Duke University Medical Center
USA
Dara Kraitchman, VMD, PhD
Johns Hopkins University
USA

Working Group on Cardiovascular MR of the European Society of Cardiology
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Vice Chairman
Web Editor
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CNR, Clinical Physiology Institute
Italy
Treasurer
Eike Nagel, MD
German Heart Institute Berlin
Germany

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Sophie Mavrogeni, MD
Onassis Cardiac Surgery Center
Greece
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Franz-Volhard-Klinik
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University of Lisbon
Portugal
Jerome Garot, MD
Henri Mondor University Hospital
France
Heiko Mahrholdt, MD
Robert-Bosch-Krankenhaus
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Hospital de Sant Pau
Spain
Nathaniel Reichek, MD
St. Francis Hospital
USA
Hajime Sakuma, MD
Mie University Hospital
Japan
Jürg Schwitter, MD
University Hospital
Switzerland
Albert C. van Rossum, MD, PhD
VU Medical Center
Netherlands
Steven D. Wolff, MD, PhD
Advanced Cardiovascular Imaging
USA
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Professor Francesco Fedele
University of Rome
Italy
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University of Rome La Sapienza
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Rosella Fattori, MD
University Hospital
Italy
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Clinical Physiology Institute
Italy
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Italy
Massimo Midiri, MD
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Italy
Professor Maria Grazia Modena
Giovanni Simonetti, MD
University of Rome
Italy

SCMR VISION STATEMENT

The Society of Cardiovascular Magnetic Resonance (SCMR) aims to be the recognized representative and advocate for physicians, scientists, and technologists who work in the field of cardiovascular magnetic resonance. It endeavors to be the principal international, independent organization committed to the further development of cardiovascular magnetic resonance through education, quality control, research, and training.

The mission of SCMR is to:

• Foster optimal clinical effectiveness of cardiovascular MR through professional education, establishment of standards for quality assurance and professional training, continued medical education, and development of evidence-based guidelines to enhance patient care and improve the quality of cardiovascular medical practice.

• Support coordinated research efforts to promote further development and applications of cardiovascular MR, and to investigate accuracy, effectiveness, and cost-effectiveness in cardiovascular diagnosis.

• Provide a forum for scientific exchange and information on cardiovascular MR, through organization of an annual international scientific conference and of additional smaller meetings, through publication of the Journal of Cardiovascular Magnetic Resonance, and through establishing close working relationships with societies in related fields.

• Build a strong national and international membership body of physicians, scientists, technologists, administrators and other individuals with interest in clinical applications or research in cardiovascular MR.

• Develop relevant member services, resources and assistance to enhance the development of the field of CMR.
WHO SHOULD ATTEND?

The intended audience consists of trainees and clinical practitioners in cardiology, cardiothoracic surgery, and cardiovascular radiology and basic scientists working in 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.

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.

ADMISSION TO THE TECHNOLOGIST WORKSHOP

If you have registered for the Technologist Workshop only, you will receive a Technologist badge that will only allow you into the Technologist Workshop.

REGISTRATION HOURS

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
<th>Location</th>
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<tbody>
<tr>
<td>Wednesday, January 31</td>
<td>18:00 - 20:00</td>
<td>Garden Lobby</td>
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<tr>
<td>Thursday, February 1</td>
<td>07:00 - 18:00</td>
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<tr>
<td>Friday, February 2</td>
<td>07:00 - 18:00</td>
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<td>Saturday, February 3</td>
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<tr>
<td>Sunday, February 4</td>
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General Information

EXHIBITS

The Tenth Annual SCMR Scientific Sessions/Sixth Meeting of the Euro CMR Working Group is expected to be another record setting event, providing displays of instrumentation, software, imaging and educational information which will be available for viewing and interaction during the meeting.

Exhibit Hall Hours

Friday, February 2 07:00 - 16:00
Saturday, February 3 07:00 - 17:30

SPEAKER READY ROOM

The 2007 Program Committee is committed to providing cutting edge technology at the Annual Scientific Meeting with its use of complete Audio Visual 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. Please be sure to visit the speaker ready room one day prior to your presentation.

SPEAKER READY ROOM HOURS

Wednesday, January 31 18:00 - 20:00
Thursday, February 1 07:00 - 18:00
Friday, February 2 07:00 - 18:00
Saturday, February 3 07:00 - 18:00
Sunday, February 4 07:00 - 15:00

EUROPEAN BOARD FOR ACCREDITATION IN CARDIOLOGY

The Tenth Annual SCMR Scientific Sessions/Sixth Meeting of the Euro CMR Working Group is accredited by the European Board for Accreditation in Cardiology (EBAC) for 24 hours of External 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).

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, 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

Pre-Conference Workshops
The University of Minnesota designates this educational activity for a maximum of 8.0 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

2007 Annual Scientific Sessions
The University of Minnesota designates this educational activity for a maximum of 21 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Technologists Workshop
Application has been submitted to The American Society of Radiological Technologists (ASRT) to award category A continuing education units. Each technologist should claim only those hours of credit actually spent in this activity.

DISCLOSURE

It is the policy of the University of Minnesota, Office of Continuing Medical Education to ensure balance, independence, objectivity and a scientific rigor in all its sponsored educational activities. All faculty participating in sponsored programs are expected to disclose to the program audience any real or apparent conflict of interest related to the content of their presentation.

ACKNOWLEDGMENTS

The Society for Cardiovascular Magnetic Resonance gratefully acknowledges the support of this meeting and its objectives from the following companies:

Platinum Supporters
GE Healthcare
Philips Medical Systems
Siemens Medical Solutions

Supporters
Philips Medical Systems
Heart Imaging Technologies
Bruker BioSpin

Industry friend
Medis Medical Systems
**WEDNESDAY, JANUARY 31, 2007**

**Physician Pre-Conference Workshop**

07:00 - 18:00  Registration
08:00 - 18:00  Introduction to Cardiovascular MR
08:00 - 08:10  Welcome Address
08:10 - 10:00  MR Physics
10:00 - 10:30  Refreshment Break
10:30 - 12:30  How to Sessions
12:30 - 13:30  Lunch Break (on own)
13:30 - 15:30  Clinical Applications of CMR
15:30 - 16:00  Refreshment Break
16:00 - 18:00  Tips and Tricks

**Basic Pre-Conference Workshop**

07:00 - 18:00  Registration
14:30 - 18:00  CMR Technology in 2007: The Cutting Edge and Beyond
14:30 - 14:35  Welcome Address
14:35 - 15:00  Introductory Talk: Directions for New Developments in CMR Technology
15:00 - 15:50  Coil Technology
15:50 - 16:00  Refreshment Break
16:00 - 17:10  Rapid CMR Imaging
17:10 - 18:00  Metabolic CMR Imaging

**THURSDAY, FEBRUARY 1, 2007**

**Scientific Sessions**

07:00 - 16:00  Exhibits Open
07:00 - 18:00  Registration
08:00 - 18:30  Tenth Annual SCMR Scientific Sessions/Sixth Meeting of the Euro CMR Working Group
08:00 - 08:10  Welcome Address
08:10 - 10:00  Clinical Plenary Session I
10:00 - 10:30  Refreshment Break
10:30 - 12:00  Oral Abstract Sessions I - III
12:00 - 12:30  SCMR Business Meeting
12:30 - 13:30  Lunch (on own) and Poster Viewing Session I (Presenters not present)
13:30 - 15:00  Parallel Sessions/Oral Abstract Session IV
15:00 - 15:30  Refreshment Break
15:30 - 17:00  Oral Abstract Sessions V-VII (3 Parallel Sessions)
17:00 - 18:30  Parallel Sessions/Abstract Sessions VIII and IX
19:00  User Meetings

**Technologist Workshop**

14:30 - 17:25  Technologist Workshop
14:30 - 14:35  Welcome Address
14:35 - 17:25  Session I: Basic Principles
17:25  Closing Remarks

**FRIDAY, FEBRUARY 2, 2007**

**Scientific Sessions**

07:00 - 16:00  Exhibits Open
14:30 - 17:25  User Meetings
## Schedule-At-A-Glance

### SATURDAY, FEBRUARY 3, 2007

**Scientific Sessions**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>07:00 - 08:00</td>
<td>Meet with the Experts I</td>
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<tr>
<td>07:00 - 17:30</td>
<td>Exhibits Open</td>
</tr>
<tr>
<td>07:00 - 18:00</td>
<td>Registration</td>
</tr>
<tr>
<td>07:00 - 18:45</td>
<td>Tenth Annual SCMR Scientific Sessions/Sixth Meeting of the Euro CMR Working Group</td>
</tr>
<tr>
<td>08:00 - 09:30</td>
<td>Parallel Sessions</td>
</tr>
<tr>
<td>09:30 - 10:00</td>
<td>Refreshment Break</td>
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<tr>
<td>10:15 - 10:30</td>
<td>Platinum Supporter Presentations</td>
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<tr>
<td>10:55 - 11:15</td>
<td>CMR Questionnaire</td>
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<tr>
<td>11:15 - 12:30</td>
<td>Oral Abstract Sessions X – XII (3 Parallel Sessions)</td>
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<tr>
<td>12:30 - 13:30</td>
<td>Lunch (on own) and Poster Viewing</td>
</tr>
<tr>
<td>12:30 - 13:30</td>
<td>Session III (Presenters not present)</td>
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<tr>
<td>12:35 - 13:30</td>
<td>SCMR Trainees and Students Hour</td>
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<tr>
<td>13:30 - 15:00</td>
<td>Parallel Sessions/Oral Abstract Session XIII</td>
</tr>
<tr>
<td>13:30 - 15:00</td>
<td>• Clinical – CMR of Myocardial Perfusion – Issues and Chances</td>
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<td>13:30 - 15:00</td>
<td>• Basic – Interventional CMR</td>
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<tr>
<td>13:30 - 15:00</td>
<td>• Abstract Session XIII – Clinical</td>
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<tr>
<td>13:30 - 15:00</td>
<td>• Pediatric CMR – RV Function in CHD</td>
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<tr>
<td>13:30 - 15:00</td>
<td>• Abstract Session XIV – Basic</td>
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<tr>
<td>13:30 - 15:00</td>
<td>• Abstract Session XIV – Clinical</td>
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<tr>
<td>15:45 - 16:15</td>
<td>Session V: CE-MRA</td>
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<tr>
<td>16:15 - 17:15</td>
<td>Lunch (on own)</td>
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<tr>
<td>17:15 - 18:45</td>
<td>Parallel Sessions/Abstract Sessions XV and XVI</td>
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<tr>
<td>17:15 - 18:45</td>
<td>• CASES – Read with the experts II</td>
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<tr>
<td>17:15 - 18:45</td>
<td>• Abstract Session XV – Clinical</td>
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<tr>
<td>17:15 - 18:45</td>
<td>• Abstract Session XVI – Poster Session IV (Presenters Present)</td>
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<tr>
<td>19:00</td>
<td>Social Event/Award Presentations</td>
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</tbody>
</table>

**Technologist Workshop**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:00 - 18:00</td>
<td>Technologist Workshop</td>
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<tr>
<td>08:00 - 10:00</td>
<td>Session II: Essential Physics for CMR</td>
</tr>
<tr>
<td>10:45 - 11:00</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>11:00 - 13:15</td>
<td>Session III: Acquired Heart Disease</td>
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<tr>
<td>13:15 - 14:15</td>
<td>Lunch (on own)</td>
</tr>
<tr>
<td>14:15 - 15:45</td>
<td>Session IV: Coronary Heart Disease</td>
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<tr>
<td>15:45 - 16:15</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>16:15 - 17:15</td>
<td>Session V: CE-MRA</td>
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<tr>
<td>17:15 - 18:00</td>
<td>Case Studies</td>
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### SUNDAY, FEBRUARY 4, 2007

**Scientific Sessions**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>07:00 - 08:00</td>
<td>Meet with the Experts I</td>
</tr>
<tr>
<td>07:00 - 15:00</td>
<td>Registration</td>
</tr>
<tr>
<td>07:30 - 16:00</td>
<td>Tenth Annual SCMR Scientific Sessions/Sixth Meeting of the Euro CMR Working Group</td>
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<tr>
<td>08:00 - 09:30</td>
<td>Parallel Sessions</td>
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<tr>
<td>09:30 - 10:00</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>10:00 - 11:45</td>
<td>Parallel Sessions</td>
</tr>
<tr>
<td>11:45 - 13:00</td>
<td>Lunch (on own)</td>
</tr>
<tr>
<td>13:00 - 14:30</td>
<td>Parallel Sessions/Oral Abstract Session XVII</td>
</tr>
<tr>
<td>13:00 - 14:30</td>
<td>• Clinical – New is Vascular CMR</td>
</tr>
<tr>
<td>13:00 - 14:30</td>
<td>• Basic – Ultra Highfield CMR</td>
</tr>
<tr>
<td>13:00 - 14:30</td>
<td>• Abstract Session XVII – Clinical/Basic</td>
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<tr>
<td>14:30 - 14:45</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>14:45 - 16:00</td>
<td>Plenary Session II</td>
</tr>
<tr>
<td>16:00</td>
<td>Closing Remarks</td>
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<tr>
<td>16:05</td>
<td>Adjournment Until January 31, 2008 in Los Angeles, California, USA</td>
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**Technologist Workshop**

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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:00 - 15:00</td>
<td>Technologist Workshop</td>
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<tr>
<td>08:00 - 11:15</td>
<td>Session VI: Pediatric and Congenital Heart Disease</td>
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<tr>
<td>11:30 - 12:30</td>
<td>Lunch (on own)</td>
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<tr>
<td>12:30 - 14:45</td>
<td>Session VII: Basic and Emerging Technologies</td>
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<tr>
<td>14:50 - 15:00</td>
<td>Closing Remarks</td>
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<tr>
<td>15:00</td>
<td>Adjournment Until January 31, 2008 in Los Angeles, California, USA</td>
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</table>
## Physician Pre-Conference Workshop

**THURSDAY, FEBRUARY 1, 2007**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Room</th>
<th>Time</th>
<th>Session</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
<td>08:00 - 08:10</td>
<td><strong>Introduction to Cardiovascular MR</strong></td>
<td>Salone 4</td>
<td>13:30 - 15:30</td>
<td><strong>Clinical Applications of CMR</strong></td>
<td>Salone 4</td>
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<tr>
<td></td>
<td><strong>Welcome Address</strong></td>
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<td><strong>Moderators:</strong></td>
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<tr>
<td></td>
<td>Peter Buser, MD</td>
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<td>Massimo Lombardi, MD</td>
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<td>Victor A. Ferrari, MD</td>
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<tr>
<td>08:10 - 10:00</td>
<td><strong>MR Physics</strong></td>
<td></td>
<td>13:30 - 13:50</td>
<td><strong>Myocardial Ischemia</strong></td>
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<td></td>
<td><strong>Moderators</strong></td>
<td></td>
<td></td>
<td>Igor Klem, MD</td>
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<td></td>
<td>Peter Buser, MD</td>
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<td></td>
<td>Peter Hunold, MD</td>
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<tr>
<td>08:10 - 08:30</td>
<td><strong>MR Basics</strong></td>
<td></td>
<td>13:50 - 14:10</td>
<td><strong>Myocardial Infarction</strong></td>
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<tr>
<td></td>
<td><strong>Harald H. Quick, PhD</strong></td>
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<td>Peter Hunold, MD</td>
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<td>08:30 - 09:00</td>
<td><strong>Black-Blood Sequences</strong></td>
<td></td>
<td>14:10 - 14:30</td>
<td><strong>Valvular Disease</strong></td>
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<td></td>
<td><strong>Hildo Lamb, MD, PhD</strong></td>
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<td>Andreas Luchner, MD</td>
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<td>09:00 - 09:30</td>
<td><strong>Bright-Blood Sequences</strong></td>
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<td>14:30 - 14:50</td>
<td><strong>Coronary MRA</strong></td>
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<td></td>
<td><strong>Michael Schär, PhD</strong></td>
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<td>Rene M. Botnar, PhD</td>
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<td>09:30 - 10:00</td>
<td><strong>Contrast-Enhanced Sequences</strong></td>
<td></td>
<td>14:50 - 15:10</td>
<td><strong>Cardiomyopathies and Myocarditis</strong></td>
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<td></td>
<td><strong>Peter Kellman, PhD</strong></td>
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<td>Andreas Kumar, MD</td>
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<tr>
<td>10:00 - 10:30</td>
<td><strong>Refreshment Break</strong></td>
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<td>10:30 - 12:30</td>
<td><strong>How to...</strong></td>
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<td><strong>Moderators:</strong></td>
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<td>Ernesto di Cesare, MD</td>
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<td>Frederick H. Epstein, PhD</td>
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<td>Ralf Wassmuth, MD</td>
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<td>Luigi Natale, MD</td>
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<tr>
<td>10:30 - 10:50</td>
<td><strong>...Get The Correct Slice Positions</strong></td>
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<td>Jan Bogaert, MD</td>
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<td>10:50 - 11:10</td>
<td><strong>...Measure Regional and Global LV Function</strong></td>
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<td></td>
<td>Michaela Scheuermann-Freestone, MD</td>
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<td>11:10 - 11:30</td>
<td><strong>...Perform Flow Measurements</strong></td>
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<td>Joachim Lotz, MD</td>
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<td>11:30 - 11:50</td>
<td><strong>...Get Good Late Enhancement Studies</strong></td>
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<td>Robert M. Judd, PhD</td>
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<td>11:50 - 12:10</td>
<td><strong>...Get Good Cardiac T2 Images</strong></td>
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<td>Hassan Abdel-Aty, MD</td>
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<td>12:10 - 12:30</td>
<td><strong>...Optimize MR Angiography Protocols</strong></td>
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<td>Tim Leiner, MD, PhD</td>
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<td>12:30 - 13:30</td>
<td><strong>Lunch Break (on own)</strong></td>
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<td>15:30 - 16:00</td>
<td><strong>Refreshment Break</strong></td>
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<td>16:00 - 18:00</td>
<td><strong>Tips and Tricks</strong></td>
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<td><strong>Moderators:</strong></td>
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<td>Frederick H. Epstein, PhD</td>
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<td>Luigi Natale, MD</td>
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<td>16:00 - 16:20</td>
<td><strong>Let's Go Faster: Parallel Imaging</strong></td>
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<td>Florian Wiesinger, PhD</td>
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<td>16:20 - 16:40</td>
<td><strong>How To Deal With Breathing Artifacts</strong></td>
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<td>Christoph Klein, MD</td>
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<td>16:40 - 17:00</td>
<td><strong>Improved Image Quality in Arrhythmia</strong></td>
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<td>Jens Bremerich, MD</td>
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<td>17:00 - 17:20</td>
<td><strong>Small Areas of Late Enhancement: Pathology or Artifact?</strong></td>
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<td>Bernhard Gerber, MD</td>
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<td>17:20 - 17:40</td>
<td><strong>Optimize Your Workflow</strong></td>
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<td>Steven D. Wolff, MD</td>
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<td>17:40 - 18:00</td>
<td><strong>Key Issues for Good MR Coronary Angiography</strong></td>
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<td>Philipp Yang, MD</td>
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# Basic Pre-Conference Workshop

## CMR Technology in 2007: The Cutting Edge and Beyond

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<tr>
<td>14:30</td>
<td>Welcome</td>
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<tr>
<td>14:35</td>
<td>Introductory Talk: Directions for New Developments in CMR Technology</td>
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<tr>
<td>15:00</td>
<td><strong>Coil Technology</strong></td>
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<td>15:00</td>
<td>New Coil Designs and Their Potential for CMR</td>
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<td>15:20</td>
<td>Future Scenarios for CMR Coil Technology</td>
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<tr>
<td>15:40</td>
<td>Panel Discussion</td>
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<td>15:50</td>
<td>Refreshment Break</td>
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<tr>
<td>16:00</td>
<td><strong>Rapid CMR Imaging</strong></td>
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<td>16:00</td>
<td>The Current Cutting Edge in Rapid CMR Imaging</td>
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<td>16:20</td>
<td>How Far Can We Get with Parallel Imaging Today?</td>
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<tr>
<td>16:40</td>
<td>Future Scenarios for Parallel Imaging</td>
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<td>17:00</td>
<td>Panel Discussion</td>
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<tr>
<td>17:10</td>
<td><strong>Metabolic CMR Imaging</strong></td>
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<td>17:10</td>
<td>New Spectroscopy Applications</td>
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<td>17:30</td>
<td>Keynote: CMR Metabolic Imaging Today and Tomorrow</td>
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<td>17:50</td>
<td>Panel Discussion</td>
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**Endorsed by the International Society for Magnetic Resonance in Medicine (ISMRM)**

**Moderators:**
- Robert S. Balaban, PhD
- Daniel K. Sodickson, MD, PhD

*Salone 3*
### Scientific Sessions

**FRIDAY, FEBRUARY 2, 2007**

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>07:00 - 16:00</td>
<td>Exhibits Open</td>
<td>Garden Lobby</td>
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<tr>
<td>07:00 - 18:00</td>
<td>Registration</td>
<td>Foyer</td>
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<tr>
<td>08:00 - 08:10</td>
<td>Welcome Address</td>
<td>Salone 4</td>
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<tr>
<td></td>
<td>Peter Buser, MD</td>
<td>Massimo Lombardi, MD</td>
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<td>Professor Francesco Fedele</td>
<td>Stefan Neubauer, MD</td>
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<td>Matthias G. Friedrich, MD</td>
<td>Roberto Passariello, MD</td>
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<tr>
<td>08:10 - 10:00</td>
<td>CLINICAL PLENARY SESSION I</td>
<td>Salone 4</td>
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<td>Focus Session: CMR of Myocardial Infarction</td>
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<td>Moderators:</td>
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<td>Matthias G. Friedrich, MD</td>
<td>Stefan Neubauer, MD</td>
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<td>08:10 - 08:30 Stem Cell Therapy for Acute MI</td>
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<td>Volker Schächinger</td>
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<td>08:30 - 08:50</td>
<td>CMR for Stem-Cell Tracking in MI</td>
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<td>Dara Kraitchman, VMD, PhD</td>
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<td>08:50 - 09:10</td>
<td>CMR of New Diagnostic Targets in Acute MI: Area at Risk and no Reflow</td>
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<td>Andrew E. Arai, MD</td>
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<td>09:10 - 09:30</td>
<td>CMR and Post-Infarct Remodeling: Risk Factors and Therapies</td>
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<td>Christopher M. Kramer, MD</td>
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<td>09:30 - 09:50</td>
<td>CMR and Stem Cell Therapy in MI</td>
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<td>Jan Bogaert, MD</td>
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<td>09:50 - 10:00</td>
<td>Panel Discussion</td>
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<td>10:00 - 10:30</td>
<td>REFRESHMENT BREAK</td>
<td>Foyer</td>
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<td>10:30 - 12:00</td>
<td>ORAL ABSTRACT SESSIONS I - III (3 PARALLEL SESSIONS)</td>
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<td>Young Investigator Award Presented</td>
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<td>10:30 - 12:00</td>
<td>Abstract Session I – Clinical (Dedicated to Walter Rogers)</td>
<td>Salone 4</td>
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<td>Moderators:</td>
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<td>Robert W. Biederman, MD</td>
<td>Dudley J. Pennell, MD</td>
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<tr>
<td>10:30 - 10:36</td>
<td>Introduction</td>
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<td>Robert W. Biederman, MD</td>
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<td>10:36 - 10:48</td>
<td>101 - Rapid Detection of Myocardial Infarction by Sub-Second, Free-Breathing Delayed Contrast-Enhancement Cardiovascular Magnetic Resonance</td>
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<td>Burkhard Sievers, MD</td>
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<td>10:48 - 11:00</td>
<td>102 - Effects of Respiratory Motion and Cardiac Arrhythmia on the Diagnostic Accuracy of Myocardial Delayed Contrast-Enhanced Magnetic Resonance Imaging</td>
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<td>Burkhard Sievers, MD</td>
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<td>11:00 - 11:12</td>
<td>103 - Detection and Distribution Pattern of Myocardial Infarctions after Heart Transplantation Detected by Contrast Enhanced MRI</td>
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<td>Henning Steen</td>
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11:12 - 11:24 104 - Late Gadolinium Enhancement CMR Imaging Detects Silent Myocardial Infarction in Diabetic Patients and May Improve Their Risk Stratification for Major Adverse Cardiac Events
Hamid Sattar, MD

11:24 - 11:36 105 - Assessment of Right Ventricular Involvement in Patients with Acute Myocardial Infarction by Magnetic Resonance Imaging
Christoph Jensen

11:36 - 11:48 106 - Risk stratification after reperfused acute myocardial infarction using contrast-enhanced cardiovascular magnetic resonance: Comparison of first-pass and delayed enhancement imaging
Matthias Regenfus

11:48 - 12:00 Discussion
Dudley J. Pennell, MD

10:30 - 12:00 Abstract Session II – Basic (Dedicated to Frank Wiesmann) Salone 3

10:30 - 10:36 Introduction
Elliott McVeigh, PhD

10:36 - 10:48 107 - Detection of inflammatory components of incipient aortic valve disease in the cholesterol-fed rabbit with 19F magnetic resonance spectroscopy of avB3-integrin targeted perfluorocarbon nanoparticles
Emily A. Waters

10:48 - 11:00 108 - Real Time Fast Strain-Encoded Magnetic Resonance Imaging to Evaluate Regional Left Ventricular Function. Comparison to Conventional Tagging
Grigorios Korosoglou, MD

11:00 - 11:12 109 - Real-time, Interactive MRI for Guiding Minimally Invasive Aortic Valve Replacement
Michael A. Guttman, MS

11:12 - 11:24 110 - Dark Blood Delayed Enhancement MRI for the Assessment of Subendocardial Infarcts
Wolfgang G. Rehwald, Ph.D

11:24 - 11:36 111 - MRI-Guided Mapping and Pulmonary-Vein Ablation in Swine Models using MRI-Tracking
Ehud J. Schmidt, PhD

11:36 - 11:48 112 - Strain-Encoded Magnetic Resonance Imaging Provides Reproducible Assessment of Right Ventricular Regional Function
Amr A. Youssef, MD

11:48 - 12:00 Discussion
Graham Wright, PhD
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<tr>
<td>10:30 - 12:00</td>
<td><strong>Abstract Session III – Congenital</strong></td>
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<td>10:30 - 10:36</td>
<td><strong>Introduction</strong></td>
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<td>10:36 - 10:48</td>
<td><strong>113 - Undiagnosed Cause of Right Ventricular Enlargement: Value of Cardiovascular Magnetic Resonance for the Detection of Sinus Venosus Defect and Partial Anomalous Pulmonary Venous Connection</strong></td>
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<td>10:48 - 11:00</td>
<td><strong>114 - Dynamic contrast enhanced MRI in patients before and after transcatheter closure of patent foramen ovale</strong></td>
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<td>11:00 - 11:12</td>
<td><strong>115 - Cardiac MRI combined with low-dose dobutamine stress reveals an abnormal stress response in children and young adults after Fontan operation at young age</strong></td>
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<td>11:12 - 11:24</td>
<td><strong>116 - Impact of Transverse Aortic Arch Hypoplasia after Surgical Repair of Aortic Coarctation: An Exercise Echo and Magnetic Resonance Imaging Study</strong></td>
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<td>11:24 - 11:36</td>
<td><strong>117 - Impact of Fontan Type in a Large Series of Single Ventricle Patients - A Cardiac Magnetic Resonance Velocity Mapping Study</strong></td>
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<td>11:36 - 11:48</td>
<td><strong>118 - MRI Guided Cardiac Catheterisation to Assess Pulmonary Vascular Resistance in the Context of a Left to Right Shunt: An Illustration of Clinical Utility</strong></td>
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<td>11:48 - 12:00</td>
<td><strong>Discussion</strong></td>
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<td>12:00 - 12:30</td>
<td><strong>SCMR Business Meeting</strong></td>
<td>Salone 4</td>
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<td>12:30 - 13:30</td>
<td><strong>LUNCH (on own) and Poster Viewing Session I (Presenters not Present)</strong></td>
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13:30 - 15:00 PARALLEL SESSIONS/ORAL ABSTRACT SESSION IV

**CLINICAL**
CT and MR of Coronary Arteries  
Co-Sponsored by the Society for Cardiovascular Computed Tomography (SCCT)

**Salone 2**
Moderators:
Stephan Achenbach, MD  
Hajime Sakuma, MD, PhD

13:30 - 13:45  
Multi Detector Cardiac CT: Current Technology and Principles  
Stephan Achenbach, MD

13:45 - 14:00  
CT Coronary Angiography: Results, Applications, Problems  
TBA

14:00 - 14:15  
CMR Coronary Angiography: Where Does It Fit in?  
Hajime Sakuma, MD, PhD

14:15 - 14:30  
CT of the Coronary Plaque  
W. Alexander Leber, MD

14:30 - 14:45  
CMR of the Coronary Plaque  
Zahi A. Fayad, PhD

14:45 - 15:00  
Myocardial Perfusion and Viability: Role of CT Compared with CMR  
Joao A.C. Lima, MD

**Salone 3**
CMR of Myocardial Inflammation – An Emerging Application  
Moderators:
Matthias G. Friedrich, MD  
Udo P. Sechtem, MD

13:00 - 13:15  
Clinical Conundrum Myocarditis- Where We Are in 2007  
Uwe Kühl, MD (to be confirmed)

13:15 - 13:30  
CMR vs. Other Imaging Techniques in Myocarditis  
Leslie Cooper, MD

13:30 - 13:45  
Inflammation Patterns in Myocarditis  
Jeanette Schulz-Menger, MD

13:45 - 14:00  
CMR in Myocarditis - Ready To Serve As a Gold Standard?  
Christina Deluigi, MD

14:00 - 14:15  
CMR of Chronic Myocarditis  
Francesco De Cobelli, MD

14:15 - 14:30  
A Consensus Group Protocol for Myocarditis  
Sanjay K. Prasad, MD
**Scientific Sessions**

**FRIDAY, FEBRUARY 2, 2007**

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<td>13:30</td>
<td>Abstract Session IV – Clinical</td>
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<td><strong>Moderators:</strong> Herbert Frank, MD  Robert M. Judd, PhD</td>
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<td>13:30</td>
<td><strong>Introduction</strong></td>
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<td>Robert M. Judd, PhD</td>
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<td>13:36</td>
<td>119 - Ischemia and Scar Burden after Acute Myocardial Infarction - Insights from Cardiac MRI</td>
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<td>Sven Plein, MD, PhD</td>
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<td>13:48</td>
<td>120 - Combining First-pass Perfusion and Cine Wall Motion Assessment by Cardiac Magnetic Resonance during High-Dose Dobutamine Stress Can Provide Strong Long Term Patient Prognosis from Coronary Artery Disease</td>
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<td>Raymond Y. Kwong, MD, MPH</td>
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<td>14:00</td>
<td>121 - The Role of Cardiovascular Magnetic Resonance in Patients Presenting with Chest Pain, Raised Troponin and Unobstructed Coronary Arteries</td>
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<td>Ravi Assomul</td>
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<td>14:12</td>
<td>122 - Noninvasive diagnosis of coronary artery disease by dobutamine stress myocardial perfusion imaging with MRI</td>
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<td>Rolf Gebker</td>
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<td>14:24</td>
<td>123 - Cardiovascular Magnetic Resonance Perfusion Imaging at 3 Tesla for the Detection of Coronary Artery Disease: A Comparison with 1.5 Tesla</td>
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<td>Adrian S. H. Cheng, MBBS MRCP</td>
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<td>Masaki Ishida, MD</td>
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<td>14:48</td>
<td>125 - Strong Long-term Prognostic Value of Vasodilator Stress CMR Myocardial Perfusion Imaging in Patients with an Intermediate Pre-test Suspicion of Coronary Artery Disease</td>
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<td>Kevin E. Steel, DO</td>
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<td>15:00</td>
<td><strong>REFRESHMENT BREAK</strong></td>
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*Foyer*
FRIDAY, FEBRUARY 2, 2007

15:30 - 17:00  ORAL ABSTRACT SESSIONS V-VII (3 PARALLEL SESSIONS)

15:30 - 17:00  Abstract Session V – Clinical  
Salone 4

Moderators:
Giancarlo Casolo, MD, PhD  Sven Plein, MD, PhD  Christiane Waller, MD

15:30 - 15:36  Introduction  
Giancarlo Casolo, MD, PhD

15:36 - 15:48  126 - Decreased Post-Infarction LV Wall Thickness Is Associated with Increased Myocardial Fat Content  
James W. Goldfarb

15:48 - 16:00  127 - Automatic Motion Correction of Free-Breathing Delayed Enhancement Imaging Using Non-rigid Registration  
Peter Kellman, PhD

16:00 - 16:12  128 - Mechanistic insights from serial cardiac magnetic resonance imaging at 3 and 15 months after application of blood-derived progenitor cells in recanalized chronic coronary total occlusions (CTO)  
Holger Thiele

16:12 - 16:24  129 - Role of low-dose dobutamine and contrast enhanced cardiac MRI to predict functional recovery in patient with single chronic coronary artery occlusion. Follow up MRI 6 months after percutaneous angioplasty  
Guido Ligabue

16:24 - 16:36  130 - Evidence of Peri-Procedural Myocardial Infarction: Insights From Troponin I and Delayed Hyper Enhancement  
Nathan H. Calloway

16:36 - 16:48  131 - The Prediction of Ventricular Tachyarrhythmia Inducibility by Quantification of the Peri-Infarct Border Zone by Delay-Enhancement Cardiac MRI  
Jason C. Rubenstein, MD

16:48 - 17:00  132 - Correspondence between Coronary Vasculature and the 17-Myocardial Segment Model  
Jose T. Ortiz, MD
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<td>Abstract Session VI-Experimental</td>
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<td>15:30</td>
<td>Introduction</td>
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<td>15:36</td>
<td>133 - Activatable Targeted MRI Contrast Agent for Molecular Imaging of Fibrin</td>
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<td>15:36</td>
<td>Patrick Winter, PhD</td>
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<td>15:48</td>
<td>134 - Could macrophage infiltration be an early marker for graft coronary artery disease (GCAD)? Single macrophages detected with in vivo MRI in a genetic mis-matched chronic cardiac allograft rejection transplantation model</td>
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<td>15:48</td>
<td>Yijen L. Wu, PhD</td>
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<td>16:00</td>
<td>135 - Monitoring of matrix metalloproteinase activity in atherosclerotic plaques of hypercholesterolemic rabbits with a specific contrast agent and MRI</td>
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<td>16:00</td>
<td>Fabien Hyafil, MD</td>
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<td>16:12</td>
<td>136 - A 128 Channel Receiver Coil for Cardiac MRI at 3T</td>
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<td>16:12</td>
<td>Melanie Schmitt, PhD</td>
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<td>16:24</td>
<td>137 - Molecular Imaging of Macrophage Activity in Atherosclerotic Plaque using quantum dot containing bimodal PEG-Micelles</td>
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<td>16:24</td>
<td>Esad Vucic, MD</td>
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<td>16:36</td>
<td>138 - Immediate Administration of Intravenous Metoprolol during Ongoing Myocardial Infarction Results in Reduced Infarct Size. A Cardiac Magnetic Resonance Study</td>
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<td>16:36</td>
<td>Javier Sanz, MD</td>
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<td>16:48</td>
<td>139 - Cardiac MRI in Mice at 9.4 Tesla with a Transmit-Receive Surface Coil and a Cardiac-Tailored Intensity Correction Algorithm</td>
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<td>16:48</td>
<td>David E. Sosnovik, MD</td>
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<tr>
<td>15:30</td>
<td>Abstract Session VII-Congenital</td>
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<tr>
<td>15:30</td>
<td>Introduction</td>
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<tr>
<td>15:36</td>
<td>140 - Improvement in Cardiovascular Form and Function Less Than One Year Post Transcatheter Endovascular Stenting of Aortic Coarctation in Adults</td>
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<td>15:36</td>
<td>Sonya V. Babu-Narayan</td>
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<tr>
<td>15:48</td>
<td>141 - Assessment of Myocardial Blood Flow and Coronary Flow Reserve in Children, Using 3-Tesla Cardiac Magnetic Resonance Imaging</td>
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<td>15:48</td>
<td>Ronald Wells, MD</td>
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<td>16:00</td>
<td>142 - Exclusion of Coronary Artery Anomalies in Patients with Congenital Cardiovascular Abnormalities Using Whole Heart Approach</td>
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<td>16:00</td>
<td>Randolph M. Setser, D.Sc</td>
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<tr>
<td>16:12</td>
<td>143 - Feasibility of Using Free-Breathing 3D Whole-Heart Coronary MR Angiography at 3T to Assess Coronary Artery Anomalies and Variants</td>
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<tr>
<td>16:12</td>
<td>Ahmed M. Gharib</td>
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</tbody>
</table>
16:24 - 16:36 144 - Delayed onset of tricuspid flow at phase-contrast MR: Further evidence of interventricular dysynchrony after repair of TOF
Ai-Min Sun, MD

16:36 - 16:48 145 - Magnetic resonance imaging in the preoperative assessment of marginally hypoplastic left ventricles
Lars Grosse-Wortmann

16:48 - 17:00 146 - The Geometry of the Pulmonary Artery Bifurcation in Children- an MRI in vivo Study
Emanuela R. Valsangiagomo Buechel, MD

17:00 - 18:30 PARALLEL SESSIONS/ABSTRACT SESSIONS VIII AND IX

17:00 - 18:30 CASES – Read with the Experts I
Salone 4
Moderators:
David A. Bluemke, MD, PhD  Frank E. Rademakers, MD, PhD
Discussants:
Stephan Achenbach, MD  Pierre Croisille, MD
Ana Almeida, MD  Charles B. Higgins, MD
Michael Atalay, MD, PhD

17:00 - 17:06 Introduction
Edward T. Martin, MD

17:06 - 17:18 300 - Time Course of Gd-DTPA Arrival and Uptake in First Pass DCE-MRI Studies of Myocardial Perfusion in Patients with Acute Myocardial Infarction
Aleksandra Radjenovic, PhD

17:18 - 17:30 301 - Long-term safety and efficacy of autologous bone marrow-derived stem cell transfer after acute myocardial infarction
Jan Bogaert

17:30 - 17:42 302 - Comparison of the combination of MR stress perfusion and late enhancement in patients with and without bypass surgery
Christoph Klein

17:42 - 17:54 303 - Clinical Evaluation of Women with Suspected Coronary Artery Disease Using Stress-Perfusion MRI
Simon Greulich, MD

17:54 - 18:06 304 - Effect of distal embolization on myocardial perfusion reserve following percutaneous coronary intervention: an Quantitative MR Perfusion Study
Joseph B. Selvanayagam, MBBS FRACP Dphil

18:06 - 18:18 305 - Accuracy of Fully Quantitative CMR Myocardial Perfusion in Detection of Coronary Disease as Measured by Quantitative Coronary Angiography
Federico E. Mordini, MD

18:18 - 18:30 306 - Effects of spatial an temporal resolution on the dark rim artifact in first pass myocardial perfusion
Nidal Al-Saadi, MD
### Scientific Sessions

**FRIDAY, FEBRUARY 2, 2007**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>17:00</td>
<td>3T Session</td>
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<td><strong>Moderators:</strong></td>
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<td>Eike Nagel, MD</td>
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<td>John Oshinski, PhD</td>
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<tr>
<td>17:00</td>
<td>Assessment of LV Function (4Dimensional Imaging)</td>
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<td>Matthias Gutberlet, MD</td>
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<td>17:15</td>
<td>Assessment of Myocardial Perfusion</td>
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<td>Rolf Gebker, MD (to be confirmed)</td>
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<td>17:30</td>
<td>Coronary Artery Imaging</td>
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<td>Matthias Stuber, PhD</td>
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<td>17:45</td>
<td>Vessel Wall Imaging</td>
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<td>Debiao Li, PhD (to be confirmed)</td>
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<td>18:00</td>
<td>Spiral and Real-time Imaging</td>
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<td>Krishna Nayak, PhD</td>
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<td>18:15</td>
<td>How Fast Can We Go?</td>
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<td>Florian Wiesinger, PhD</td>
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<td>17:00</td>
<td>Abstract Session IX – Poster Viewing Session II (Presenters Present)</td>
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<td>Wine and Cheese Reception</td>
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<td>19:00</td>
<td>User Meetings</td>
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</table>

**SAVE THE DATES**

**11th Annual Scientific Session**

JANUARY 31 – FEBRUARY 3, 2008

Hyatt Regency Century Plaza  
2025 Avenue of the Stars  
Los Angeles, CA 90067  
www.centuryplaza.hyatt.com

**12th Annual Scientific Session**

JANUARY 29 – FEBRUARY 1, 2009

Rosen Shingle Creek  
9939 Universal Boulevard  
Orlando, FL 32819  
www.rosenshinglecreek.com
<table>
<thead>
<tr>
<th>Time</th>
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<th>Location</th>
<th>Moderators/Topics</th>
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</table>
| 07:00 - 08:00 | Meet with the Experts I  
- Stress Perfusion CMR  
  Raymond J. Kim, MD  
- Vascular MRA  
  John Grizzard, MD  
- Coronary MRA  
  Matthias Stuber, PhD  
- Congenital Heart Disease  
  John Wood, MD | Salone 3  |                                                                                   |
| 07:00 - 16:00 | Exhibits Open  
- Foyer  
- Garden Lobby | Foyer  |                                                                                   |
| 07:00 - 18:00 | Registration | Garden Lobby  |                                                                                   |
| 08:00 - 09:30 | PARALLEL SESSIONS |  
- CLINICAL  
  Salone 4  
  Late Enhancement in Non-Ischemic Myocardial Disease  
  Gaetano Thiene, MD  
  Massimo Midiri, MD  
  Dudley J. Pennell, MD  
- BASIC  
  Salone 2  
  Parallel Imaging  
  Peter Kellman, PhD  
  Krishna S. Nayak, PhD  
  Thoralf Niendorf, PhD  
- PEDIATRIC CMR  
  Salone 3  
  Controversies in CMR of CHD  
  William M. Gottliebson, MD  
  Andrew Taylor, MD  
  Philip Kilner, MD  
  Tiffanie R. Johnson, MD  
  Adam Dorfman, MD  
  Titus Kühne, MD  
  Paul Weinberg, MD |  
- CLINICAL  
  Salone 4  
  Late Enhancement in LV Hypertrophy - What’s its Relevance?  
  James Moon, MD  
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  Adam Dorfman, MD  
  Titus Kühne, MD  
  Paul Weinberg, MD  
- RV Mass and Volume Can Be Measured Reliably  
  Tiffanie R. Johnson, MD  
- Normal Values of Ventricular Volumes and Mass in Infants and Children Can Be Extrapolated from Adults  
  Adam Dorfman, MD  
- Will CMR Replace or Be Complimentary to Cath for Intervention?  
  Titus Kühne, MD  
- CMR Imaging Correlates with Finding on Pathology  
  Paul Weinberg, MD |  
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  Paul Weinberg, MD  |
S c i e n t i f i c  S e s s i o n s


09:30 - 10:15  Platinum Supporter Presentations  Salone 4
Moderators:
Charles B. Higgins, MD
Stefan Neubauer, MD

09:30 - 09:45  Philips Medical Systems

09:45 - 10:00  GE Healthcare

10:00 - 10:15  Siemens Medical Solutions

10:15 - 10:55  CMR Questionnaire
Gerald M. Pohost, MD

10:55 - 11:15  REFRESHMENT BREAK  Foyer

11:15 - 12:30  ORAL ABSTRACT SESSIONS X – XII (3 PARALLEL SESSIONS)

11:15 - 11:18  Introduction
Warren J. Manning, MD

11:18 - 11:30  147 - MRI Delayed Enhancement Patterns in Patients with Dilated Cardiomyopathy
Peter J. Larsen, MBBS (Hons)

11:30 - 11:42  148 - Detection of CMR-derived non-invasive assessment of fibrosis in different forms of left ventricular hypertrophy - relation to severity of disease and pressure overload
Andre Rudolph

11:42 - 11:54  149 - Characterization of Cardiac Amyloidosis by Atrial Late Gadolinium Enhancement Using Contrast Enhanced CMR: Correlation with Left Atrial Conduit and Contractile Function
Raymond Kwong, MD, MPH

11:54 - 12:06  150 - Uncomplicated Obesity is Characterised by Altered Systolic and Diastolic Myocardial Velocities as Assessed by Phase Contrast Magnetic Resonance Imaging
Mohammed K. Ali, MBChB

Harikrishna Tandri, MD

12:18 - 12:30  152 - Decrease Right Ventricular Function and Troponin Elevation in Marathon Runners: a CMR study
Gurpreet Barweja
11:15 - 12:30  **Abstract Session XI – Basic**  

**Moderators:**  
David N. Firmin, PhD, MD  
Gerald M. Pobost, MD

**11:15 - 11:18**  
**Introduction**  
Gerald M. Pobost, MD

**11:18 - 11:30**  
153 - MR Coronary Vein Imaging in Cardiac Resynchronization Therapy: Initial Experience  
Reza Nezafat, PhD

**11:30 - 11:42**  
154 - Sub-Millimeter Isotropic Resolution Carotid Wall MRI with a Swallowing Compensated Dark Blood SSFP Sequence: Towards Vessel Morphometry  
Ioannis Koktzoglou, MS

**11:42 - 11:54**  
155 - Comparison of 3D Black Blood Imaging Techniques for Carotid Vessel Wall Imaging  
Venkatesh Mani, PhD

**11:54 - 12:06**  
156 - Increased Coronary Atherosclerosis Detected by Magnetic Resonance Imaging in Asymptomatic Type 1 Diabetes with Diabetic Nephropathy  
Won Yong Kim, MD

**12:06 - 12:18**  
157 - In Vivo Magnetic Resonance Imaging of Iron Oxide Labeled Stem Cells in a Mouse Model of Myocardial Infarction with Positive Contrast  
Venkatesh Mani

**12:18 - 12:30**  
158 - A Fibrin-Targeted Multi-Modality Nanoparticle Contrast Agent for MRI and SPECT  
Shelton D. Caruthers, PhD

11:15 - 12:30  **Abstract Session XII – Moderated Poster Session II**  

**Moderators:**  
Carlos Rochitte, MD  
Barbara Srichai, MD

**11:15 - 11:18**  
**Introduction**

**11:18 - 11:30**  
478 - Efficient, accurate and robust left-ventricular diastolic functional analysis based on short-axis cine cardiac MRI  
Marcel Breeuwer, PhD

**11:30 - 11:42**  
479 - Initial Experiences on Feasibility of Acute MRI for Differential Diagnosis in Chest Pain Unit Patients with Troponin T Release, Atypical Chest Pain and Inconspicuous ECG Changes  
Henning Steen, MD

**11:42 - 11:54**  
480 - Automated Determination of First-Pass Contrast Enhancement Timing Facilitates Semiquantitative and Quantitative Myocardial Perfusion Measurements  
Li-Yueh Hsu

**11:54 - 12:06**  
481 - Delayed-Enhancement Myocardial Imaging in Three Heart Beats in a Real-Time Imaging Environment  
Juan M. Santos, Ph.D.

**12:06 - 12:18**  
482 - Integrated Quantitative Assessment of Systolic and Diastolic Mechanics of the Human Left Ventricle: Continued Circumferential Shortening during Untwisting  
Iris K. Rüssel, MSc

**12:18 - 12:30**  
483 - Improved inter-observer variability of short axis LV volumetry by long axis cross-references  
Lucia K. C. Ma
SATURDAY, FEBRUARY 3, 2007

12:30 - 13:30  Lunch (on own) and Poster Viewing Session III  (Presenters not present)

12:15 - 12:35  SCMR Trainees and Students Hour  

Moderators:
Raymond J. Kim, MD  Stefan Neubauer, MD

12:15 - 12:20  Welcome Address  

Stefan Neubauer, MD

12:20 - 12:35  A Career in CMR: Options and Opportunities for Men and Women  

Dara Kraitchman, VMD, PhD

12:35 - 13:30  PARALLEL TRAINEE AND STUDENT HOUR

CLINICAL RESEARCH  Salone 2

Moderators:
Warren J. Manning, MD  Jörg Barkhausen, MD

12:35 - 12:50  Where to Get Proper Training  

Eike Nagel, MD

12:50 - 13:05  Job Postions in Clinical CMR  

Edward T. Martin, MD

13:05 - 13:30  Panel Discussion

BASIC RESEARCH  Salone 3

Moderators:
Hildo Lamb, MD, PhD  Debiao Li, PhD

12:35 - 12:50  Where to Get Proper Training  

Michael Jerosch-Herold, PhD

12:50 - 13:05  Job Postions in Clinical CMR  

Frederick H. Epstein, PhD

13:05 - 13:30  Panel Discussion
PARALLEL SESSIONS/ORAL ABSTRACT SESSION XIII

CLINICAL
CMR of Myocardial Perfusion – Issues and Chances
Moderators:
Daniel S. Berman, MD  Jürg Schwitter, MD

13:30 - 13:45
 Coronary Artery Disease by Ischemia Imaging vs. Coronary Angiography - The Fundamental Difference
Eike Nagel, MD

13:45 - 14:00
 Is There a Unique Role for CMR Perfusion?
Daniel S. Berman, MD

14:00 - 14:15
 Stress Perfusion: Rewards and Risks
Eugenio Picano, MD

14:15 - 14:25
 Myocardial Perfusion Assessment by First-Pass Contrast-Enhanced CMR: Published Evidence
Patricia Bandettini, MD

14:25 - 14:35
 Current Limitations of Perfusion CMR
Jonathan Lyne, MRCP

14:35 - 14:45
 The Current Status of Quantitative First-Pass CMR
Michael Jerosch-Herold, PhD

14:45 - 15:00
 Summary Discussion: CMR of Myocardial Perfusion in 2007: When and How?
Jürg Schwitter, MD

BASIC
Interventional CMR
Moderators:
Dara Kraitchman, VMD, PhD  Robert J. Lederman, MD

13:30 - 13:45
 Gene, Protein and Cell Therapy Delivery With MRI
Gabriele Krombach, MD

13:45 - 14:00
 Electrophysiology CMR Applications
Timm Dickfeld, MD

14:00 - 14:15
 Active Devices for CMR Interventions
Harald H. Quick, PhD

14:15 - 14:30
 Passive Devices for CMR Interventions
Alexander J. Dick, MD

14:30 - 14:45
 Pediatric Interventions
Titus Kühne, MD

14:45 - 15:00
 MR Devices - Are They Really Safe?
Ergin Atalar, PhD
S c i e n t i f i c   S e s s i o n s

S A T U R D A Y,   F E B R U A R Y  3,  2 0 0 7

13:30 - 15:00  Abstract Session XIII-Clinical  Salone 4

Moderators:
Mieczyslaw Pasowicz, MD  Guillem Pons-Llado, MD

13:30 - 13:36  Introduction
Guillem Pons-Llado, MD

13:36 - 13:48  159 - Transmural distribution of microvascular dysfunction in hypertrophic cardiomyopathy assessed by multi-parametric magnetic resonance imaging
Steffen E. Petersen, MD, Dphil

13:48 - 14:00  160 - Lack of Correlation Between Hypertrophy and Fibrosis in Patients With Hypertrophic Cardiomyopathy by Cardiovascular Magnetic Resonance.
Afonso A. Shiozaki, MD

14:00 - 14:12  161 - High Prevalence of Myocardial Fibrosis and Left Ventricular Hypertrophy in Pediatric Friedreich's Ataxia: a Cardiac Magnetic Resonance Imaging Study
Keren Hashani, MD

14:12 - 14:24  162 - Myocardial Delayed Contrast Enhancement in Pulmonary Sarcoid Patients, Association with Significant Right and Left Chamber Remodeling
Alexander B. Jehle, MD

14:24 - 14:36  163 - What’s the better method to quantify fibrosis detected by delayed-enhancement magnetic resonance in hypertrophic Cardiomyopathy?
Giovanni Donato Aquaro, MD

14:36 - 14:48  164 - Prediction of Mortality and Heart Failure in Patients with Systemic Amyloidosis and Suspected Cardiac Involvement Using Cardiovascular Magnetic Resonance Imaging
James White, MD

14:48 - 15:00  165 - Incidence of Cardiac Complications in patients with cardiac siderosis during 1 year follow up
Paul Kirk, MRCP

15:00 - 15:30  REFRESHMENT BREAK  Foyer

15:30 - 17:10  PARALLEL SESSIONS/ORAL ABSTRACT SESSION XIV  Salone 2

15:30 - 16:10  POLITICAL – Reimbursement:
How To Deal With Current Legislation
Moderators:
Anthony R. Fuisz, MD  Massimo Lombardi, MD

15:30 - 15:50  Reimbursement for CMR, CCT, Echo and Cath: USA
Edward T. Martin, MD

15:50 - 16:10  Reimbursement for CMR, CCT, Echo and Cath: Europe
Agostino Meduri, MD

16:10 - 16:30  Legislation and the Cardiac Image: USA
Steven Wolff, MD, PhD

16:30 - 16:50  Legislation and the Cardiac Image: Europe
Sven Plein, MD

16:50 - 17:10  Current CMR Policy Activities and Next Steps
Christopher M. Kramer, MD
SATURDAY, FEBRUARY 3, 2007

15:30 - 17:10

Abstract Session XIV – Basic
Salone 3

Leon Axel, MD, PhD  Monique Bernard, PhD

15:30 - 15:34

Introduction
Leon Axel, MD, PhD

15:34 - 15:46
166 - Carotid Plaque MR Imaging During Possible TIA/Ischemic Stroke: A Comprehensive Analysis of Plaque Incidence, Outcomes and Cardiovascular Risk Factors
Jaywant P. Parmar, M.D

15:46 - 15:58
167 - MRI assessment of the development of atherosclerosis in aortic arch and myocardial function in mice harboring three different TNF genotypes
Frank Kober, Ph.D

15:58 - 16:10
168 - Association between Adventitial Vasa Vasorum and Atherosclerosis: A Dynamic Contrast-Enhanced Magnetic Resonance Imaging Study
Minako Oikawa

16:10 - 16:22
169 - Carotid Arterial Vessel Wall Thickness Measured by High-Resolution Carotid Cardiovascular MR is Significantly Higher in Asymptomatic Subjects with Coronary Artery Calcification: Preliminary Findings from the Atlanta Firefighters Comprehensive Cardiovascular
Robert E. O'Donnell, MD

16:22 - 16:34
170 - Age-Related Changes in Carotid Artery Lumen and Wall Volume in a Population Free of Cardiac Risk Factors
Niall G. Keenan, BM BCb MRCP

16:34 - 16:46
171 - Longitudinal Stresses in Carotid Plaques using MRI-based Fluid Structure Interaction CFD models
Samuel A. Kock, MSc

16:46 - 16:58
172 - MRI signs of carotid plaque inflammation in patients with unstable angina
Antonio Bernardini, MD

16:58 - 17:10
173 - Evaluation of inflammation in atherosclerotic plaques: correlation between 18F fluorodeoxyglucose PET/CT and Dynamic Contrast Enhanced MRI parameters in human patients
Claudia Calcagno
15:30 - 17:10  Pediatric CMR – RV Function in CHD
Moderators:
Phillip Beerbaum, MD  Shi-Joon Yoo, MD

15:30 - 15:50  Normal RV Anatomy and Mechanics
Tal Geva, MD

15:50 - 16:10  The Dysplastic RV: Ebstein and ARVC/D
Rossella Fattori, MD

16:10 - 16:30  Systemic RV in a Dual Chambered Circulation
David Patton, MD

16:30 - 16:50  Post-OP TOF and Other Volume Load Conditions
Albert de Roos, MD, PhD

16:50 - 17:10  The Single Ventricle
Mark A. Fogel, MD

17:15 - 18:45  PARALLEL SESSIONS/ABSTRACT SESSIONS XV AND XVI

17:15 - 18:45  CASES – Read with the Experts II
Moderators:
Francesco Fedele, MD  Guillem Pons-Llado, MD
Naeem Merchant, MD

Discussants:
Peter Buser, MD  Jeanette Schulz-Menger, MD
Guillem Pons-Llado, MD  Nathaniel Reichek, MD
Sanjay K. Prasad, MD

17:15 - 18:45  Abstract Session XV-Clinical
Moderators:
Eike Nagel, MD  Orlando P. Simonetti, PhD

17:15 - 17:21  Introduction
Orlando P. Simonetti, PhD

17:21 - 17:33  174 - Troponin Positive Chest Pain with Unobstructed Coronary Arteries: a Role for Delayed Enhanced Cardiovascular Magnetic Resonance in the Diagnosis of Non-ST Elevation Myocardial Infarction?
Nick G. Bellenger, MD BSc MRCP

17:33 - 17:45  175 - Correlation of delayed enhancement and no reflow area measured by cardiac MRI and N-terminal-pro-B-type-natriuretic-peptide in patients with first acute ST segment elevation myocardial infarction
Markus Jochims

17:45 - 17:57  176 - Dobutamine CMR stress induced change in wall motion score index predicts myocardial infarction and cardiac death in individuals with reduced left ventricular ejection fraction
Erica Dall’Armellina, MD
Scientific Sessions

SATURDAY, FEBRUARY 3, 2007

17:57 - 18:09  177 - Relationship between Microvascular Obstruction Assessed with First-Pass Perfusion or Delayed Contrast-Enhanced MRI and Left Ventricular Remodeling in Patients after Acute Myocardial Infarction
   Stijntje D. Roes, MD

18:09 - 18:21  178 - Augmentation of Right Ventricular Function by Dobutamine Stress Cardiac Magnetic Resonance Provides Independent Cardiac Prognostication beyond Left Ventricular Regional Ischemia and Left Ventricular Global Dysfunction.
   Maung M. Khin, MD

18:21 - 18:33  179 - Changes in LV Torsion Following Surgical Ventricular Reconstruction in Patients with Ischemic Heart Failure
   Randolph M. Setser, D.Sc

18:33 - 18:45  180 - Left ventricular remodeling after intracoronary bone marrow cell therapy for acute myocardial infarction. Eighteen months’ MRI follow-up data from the randomized, controlled BOOST-trial
   Gerd P. Meyer, MD

17:15 - 18:45  Abstract Session XVI - Poster Session IV (Presenters Present)  Salone 1

19:00  Social Event/Award Presentations  Terrazza Monte Mario
SUNDAY, FEBRUARY 4, 2007

07:30 - 08:00  Meet with the Experts II  Salone 3

Late Enhancement – Ischemic Disease  Sanjay K. Prasad, MD
Matthias G. Friedrich, MD

Late Enhancement – Nonischemic Disease  Milind Desai, MD and Subba Raman, MD
Dipan Shah, MD

07:00 - 15:00  Registration  Foyer

08:00 - 09:30  PARALLEL SESSIONS

CLINICAL  Salone 4
Clinical Cardiac Protocol Optimization
Modemors:
Raymond J. Kim, MD
Christopher M. Kramer, MD

08:00 - 08:15  The Core Exam in 45 minutes or Less
Sven Plein, MD, PhD

08:15 - 08:30  Optimized Stress Testing
Igor Klem, MD

08:30 - 08:45  Quick Protocol Additions for Pericardial Disease, Masses and CMP
Jan Bogaert, MD

08:45 - 09:00  Velocity Flow Imaging: Pearls & Pitfalls
Michael Markl, MD

09:00 - 09:15  Optimized Congenital Protocols
Mark A. Fogel, MD

09:15 - 09:30  Whole-Heart Coronary MRA
Debiao Li, PhD

08:00 - 08:15  Molecular Imaging: CMR vs. Other Techniques
Zabi A. Fayad, PhD
Patrick Winter, PhD

08:15 - 08:30  Fluorescence Imaging and Tomography Co-registered with MR with Focus on Cardiac Imaging
David E. Sosnovik, MD

08:30 - 08:45  Quantum Dots, MR and Other Multimodal Probes
Willem J.M. Mulder, PhD

08:45 - 09:00  Iron-Based Approaches: Dark Spots, Bright Spots
Karen Briley Saeboe, MD

09:00 - 09:15  MR Spectroscopy of the Heart
Robert G. Weiss, MD

09:15 - 09:30  Stem Cell Imaging as a Touchstone for Molecular CMR?
Victor A. Ferrari, MD

CASES  Salone 3
Read with the Experts III

08:30 - 08:45  Quantum Dots, MR and Other Multimodal Probes
Willem J.M. Mulder, PhD

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Victor A. Ferrari, MD
SUNDAY, FEBRUARY 4, 2007

09:30 - 10:00
REFRESHMENT BREAK

Foyer

10:00 - 11:45
PARALLEL SESSIONS

CLINICAL
CMR of Acute Cardiac Disease
Moderators:
Andrew E. Arai, MD
Jeanette Schulz-Menger, MD

09:30 - 10:15
CMR for the Evaluation of Percutaneous Coronary Intervention
Stefan Neubauer, MD

10:15 - 10:30
The Role of CMR in Suspected Acute Coronary Syndrome
Raymond Kwong, MD

10:30 - 10:45
CMR of the Area at Risk for Diagnostic Decision-Making in Acute Patients
Anthony H. Aletras, PhD

10:45 - 11:00
The Predictive Value of CMR after Acute Coronary Interventions
Timo Baks, MD (to be confirmed)

11:00 - 11:15
CMR vs. ECG in the Emergency Room
Francesc Carreras, MD

11:15 - 11:30
Late Enhancement in Troponin-Positive Patients
Jonathan Christiansen, MD

11:30 - 11:45
Comprehensive CMR in Acute Chest Pain
Oliver Strohm, MD

BASIC
The Impact of Coil Design on CMR
Moderators:
Leon Axel, MD, PhD
Daniel K. Sodickson, MD, PhD

10:00 - 10:15
32-Channel Coils in CMR Gate Opener to Parallel Imaging?
Bernd J. Wintersperger, MD

10:15 - 10:30
Multi-Channel Coils and Highfield CMR- The Optimal Combination?
Thoralf Niendorf, PhD

10:30 - 10:45
Whole Body Angio with 32 channels- The Comprehensive Risk Assessment?
Michael Fenchel, MD

10:45 - 11:00
Optimizing Coils for Coronary Artery Imaging
Sebastian Kozerke, PhD

11:00-11:15
Transceive System for Chest Imaging
Florian Wiesinger, PhD

11:15-11:30
Potential of Parallel RF Transmission for CMR
David E. Sosnovik, MD

11:30-11:45
The Foreseeable Future of CMR Coil Technology
Elliot McVeigh, PhD

CASES
Read with the Experts IV
Moderators:
Albert de Roos, MD, PhD
Udo P. Sechtem, MD
Discussants:
Scott D. Flamm, MD
Bernhard Gerber, MD
Lorenzo Monti, MD
Ian Patersen, MD
James White, MD
### PARALLEL SESSIONS/ABSTRACT SESSION XVII

#### CLINICAL

**News in Vascular CMR**

**Moderators:**
- Peter Hunold, MD
- Nikolaos L. Kelekis, MD

**13:00 - 13:15**

**Time-resolved MRA: Techniques and Clinical Applications**

Christopher Herborn, MD

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**13:15 - 13:30**

**MRA With Continuously Moving Tables**

Jörg Barkhausen, MD

**13:30 - 13:45**

**Recent Developments of MRA at 3T**

Alex Prydrychowicz, MD

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**13:45 - 14:00**

**Clinical Applications for Intravascular Contrast Agents**

Tim Leiner, MD, PhD

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**14:00 - 14:15**

**MRA Without Contrast Agents**

Anna Rozenshtein, MD

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**14:15 - 14:30**

**New Concepts for Real-Time 3D MRA**

Richard Frayne, PhD

### BASIC

**Ultra Highfield CMR**

**Moderators:**
- Robin P. Choudhury, MD
- Samuel A. Wickline, MD

**13:30 - 13:45**

**Technical Requirements for CMR at Ultra Highfield**

Bassem Hiba

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**13:45 - 14:00**

**Applications of Nanotechnology to Atherosclerosis and Vascular Biology**

Tillmann Cyrus, MD

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**14:15 - 14:30**

**Highfield CMR of Murine Myocardial Perfusion**

David E. Sosnovik, MD

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**14:45 - 15:00**

**Applications for Vascular Imaging at Ultra-High Field Strengths**

Robin P. Choudhury, MD

### Abstract Session XVII – Clinical/Basic

**13:00 - 13:06**

**Introduction**

Frank Rademakers, MD, PhD

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**13:06 - 13:18**

**181 - Right Heart MRI, as a New Modality for Assessment of Cor Pulmonale: Effects of Bosentan on Serious Pulmonary Hypertensive Patients**

Atsushi Yamauchi

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**13:18 - 13:30**

**182 - Is the B-type natriuretic peptide correlated with the myocardial PCr/ATP ratio determined by rapid 31P-MRS in DCM patients?**

Koichi Chida, PhD

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**13:30 - 13:42**

**183 - Metabolic and Functional Imaging of the Human Heart: Effects of a Very Low Calorie Diet**

Rutger vd Meer

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**13:42 - 13:54**

**184 - Dose Dependent Effects of Caloric Restriction on Myocardial TG Accumulation, Assessed with 1H-MRS**

Sebastiaan Hammer

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**13:54 - 14:06**

**185 - Myocardial iron overload and myocardial fibrosis in thalassemia intermedia patients: a comparative multicenter study versus thalassemia major patients**

Alessia Pepe, MD

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**14:06 - 14:18**

**186 - ECG changes in thalassemia major patients: correlations with myocardial iron overload and myocardial fibrosis**

Alessia Pepe

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**14:18 - 14:30**

**187 - Comparison of Stress MR Imaging with Stress Nuclear Perfusion for the Assessment of Coronary Artery Disease**

John Heitner
SUNDAY, FEBRUARY 4, 2007

14:30 - 14:45  REFRESHMENT BREAK  Foyer

14:45 - 16:00  PLENARY SESSION II  Salone 4

CMR Findings in Subclinical Disease – Prognosticators or Just Oversensitivity?
Moderators:
Scott D. Flamm, MD  Dudley J. Pennell, MD

14:45 - 15:00  Small Foci of Late Enhancement in Patients without Known Infarcts
Raymond Kwong, MD

15:00 - 15:15  Abnormal Perfusion Reserve in Normal Subjects
Michael Jerosch-Herold, PhD

15:15 - 15:30  Subclinical Myocarditis
Udo P. Sechtem, MD

15:30 - 15:45  Regional Diastolic Dysfunction
Joao A.C. Lima, MD

15:45 - 16:00  CMR of Subclinical Atherosclerosis
Veronica R.S. Fernandes

16:00 - 16:05  Closing Remarks
Stefan Neubauer, MD

16:05  Adjournment to Los Angeles 2008
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<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Moderator/Presenter</th>
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<tbody>
<tr>
<td>14:30 - 14:35</td>
<td>Welcome Address</td>
<td>Ellisse, Mary Watkins RT</td>
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<tr>
<td>14:35 - 17:25</td>
<td>Session I: Basic Principles</td>
<td>Jane M. Francis, RT</td>
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<tr>
<td>14:35 - 15:05</td>
<td>Cardiac Anatomy through CMR</td>
<td>Mercedes Pereyra, RT</td>
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<td>15:10 - 15:40</td>
<td>Basic CMR Myocardial Function Exam</td>
<td>Petra Keilberg, RT, CNR</td>
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<td>15:45 - 16:15</td>
<td>How to optimize ECG gating</td>
<td>Elizabeth Goddu, RT</td>
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<tr>
<td>16:20 - 16:50</td>
<td>Basics of Coronary Artery Imaging</td>
<td>Kraig Kissinger, BS, Rt, (R) (MR)</td>
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<td>16:55 - 17:25</td>
<td>Implants and Devices: Current Safety Guidelines</td>
<td>Peter Bernhardt, MD</td>
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<td>Closing Remarks</td>
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<td>08:00 - 10:40</td>
<td>Session II: Essential Physics for CMR</td>
<td>Ellisse, Pamela S. Vincent, RT</td>
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<td>08:00 - 08:50</td>
<td>Physics of CMR I (Basics)</td>
<td>Patrick Winter, PhD</td>
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<td>08:55 - 09:45</td>
<td>Physics of CMR II (Pulse sequences, parameters)</td>
<td>Jordin Green, PhD</td>
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<td>09:50 - 10:40</td>
<td>MR/CT/PET - Imaging Modalities Comparison</td>
<td>Robert Eisner, MD</td>
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<td>10:45 - 11:00</td>
<td>Refreshment Break</td>
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<tr>
<td>11:00 - 13:15</td>
<td>Session III: Acquired Heart Disease</td>
<td>Tim Cannell, RT</td>
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<td>11:00 - 11:30</td>
<td>Diastolic Function</td>
<td>Sandor Kovacs MD, PhD</td>
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<td>11:35 - 12:05</td>
<td>Aortic Disease</td>
<td>Saul Myerson, MD</td>
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<td>12:10 - 12:40</td>
<td>Cardiomyopathies</td>
<td>David Bluemke, MD, PhD</td>
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<td>12:45 - 13:15</td>
<td>Abstract Presentations</td>
<td>Jane M. Francis, RT</td>
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<td>13:15 - 14:15</td>
<td>Lunch (on own)</td>
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<tr>
<td>14:15 - 15:45</td>
<td>Session IV: Coronary Heart Disease</td>
<td>Kraig V. Kissinger, BS, RT, (R) (MR)</td>
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<tr>
<td>14:15 - 14:40</td>
<td>CMR in Acute Coronary Heart Disease</td>
<td>Jane M. Francis, RT</td>
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## Technologist Workshop

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>14:45</td>
<td>Myocardial Viability and Hibernation</td>
<td>Tim Cannell, RT</td>
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<td>15:15</td>
<td>Myocardial Perfusion at Stress and Rest</td>
<td>Albert C. van Rossum, MD</td>
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<td>15:45</td>
<td>Refreshment Break</td>
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<tr>
<td>16:15</td>
<td>Session V: CE-MRA</td>
<td>Moderator: Petra Keilberg, RT, CNR</td>
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<td>16:15</td>
<td>MR/CT Coronary Plaque Characterization</td>
<td>Zahi A. Fayad, MD</td>
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<td>16:45</td>
<td>Contrast - Enhanced MRA</td>
<td>Susan Eder, RT</td>
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<td>17:15</td>
<td>Case Studies</td>
<td>Moderator: Charles Fasanati, RT&lt;br&gt;Presenter: Denis Brisbois MD</td>
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## SUNDAY, FEBRUARY 4, 2007

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<tr>
<th>Time</th>
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<tr>
<td>08:00</td>
<td>Session VI: Pediatric and Congenital Heart Disease</td>
<td>Moderator: Mercedes Pereyra, RT</td>
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<tr>
<td>08:00</td>
<td>Abstract Presentations</td>
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<tr>
<td>08:35</td>
<td>Pediatric CMR</td>
<td>Rod Jones, RT  Wendy Norman</td>
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<tr>
<td>09:30</td>
<td>Adult Congenital Heart Disease</td>
<td>Mark F. Fogel, MD</td>
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<td>10:25</td>
<td>Interventional CMR</td>
<td>Reza Razavi, MD</td>
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<td>11:10</td>
<td>Best Abstract Presentation</td>
<td>Moderator: Mary Watkins, RT, MR</td>
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<td>11:30</td>
<td>Lunch (on own)</td>
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<tr>
<td>12:30</td>
<td>Session VII: Basic and Emerging Technologies</td>
<td>Moderator: John Christopher, RT</td>
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<td>12:30</td>
<td>CMR Image Quality Control</td>
<td>Robert E. Henson II, MD</td>
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<td>13:05</td>
<td>Vascular Function - CMR Imaging</td>
<td>Rene M. Botnar, PhD</td>
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<td>13:40</td>
<td>The Future for CMR Technologies</td>
<td>Anne Neubauer</td>
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<td>14:15</td>
<td>CMR at 3T</td>
<td>Matthias Stuber, PhD</td>
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<td>Mary Watkins, RT</td>
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</table>
Faculty

Hassan Abdel-Aty, MD
Humboldt University
Germany

Stephan Achenbach, MD
University of Erlangen
Germany

Anthony H. Aletras, PhD
NIH/NHLBI
USA

Ergin Atalar, PhD
Bilkent University
Turkey

Michael Atalay, MD, PhD
Rhode Island Hospital
USA

Timo Baks, MD
University Medical Center
Netherlands

Robert S. Balaban, PhD
NIH/NHLBI
USA

Patricia Bandettini, MD
NIH/NHLBI
USA

Monique Bernard, PhD
Centre de Résonance Magnétique Biologique et Médicale
France

Peter Bernhardt, MD
Hospital Agatharied Hausham
Germany

Robert W. Biederman, MD
Allegheny Hospital
USA

Jan Bogaert, MD
University of Leuven
Belgium

Rene M. Botnar, PhD
Technical University Munich
Germany

Denis Brisbois, MD
CHC Les Cliniques Saint Joseph
Belgium

Tim Cannell, RT
Royal Brompton Hospital
UK

Frances Carreras, MD
Hospital Sant Pau
Spain

Giancarlo Casolo, MD, PhD
Ospedale Versilia, Lido di Camaiore
Italy

Robin P. Choudhury, MD
John Radcliffe Hospital
UK

Jonathan Christiansen, MD
North Shore Hospital
New Zealand

John Christopher, RT
University of Virginia
USA

Leslie Cooper, MD
Mayo Clinic
USA

Pierre Croisille, MD
Hospital Cardiologique France

Ricardo C. Curry, MD
Massachusetts General Hospital
USA

Tillman Cyrus, MD
Washington University
School of Medicine
USA

Francesco De Cobelli, MD
Università Vita-Salute San Raffaele
Italy

Christina Deluigi, MD
Robert-Bosch-Krankenhaus
Germany

Milind Desai, MD
Johns Hopkins University
USA

Alexander J. Dick, MD
Sunnybrook Health Sciences Centre
Canada

Timm Dickfeld, MD
University of Maryland
USA

Adam Dorfman, MD
Children’s Hospital Boston
USA

Susan Eder, RT
Emory Crawford Long Hospital
USA

Robert Eisner, PhD
Emory Crawford Long Hospital
USA

Frederick H. Epstein, PhD
University of Virginia Health System
USA

Charles Fasanati, RT
NW Memorial Hospital
USA

Michael Fenchel, MD
University of Tuebingen
Germany

Verônica R. S. Fernandes
Johns Hopkins University
USA

Victor A. Ferrari, MD
University of Penn Medical Center
USA

Perluigi Festa
Istituto Fisiologia Clinica G. Pasquinoucci
Italy

Jane M. Francis, RT
John Radcliffe Hospital
UK

Herbert Frank, MD
Allgemeines KH Wien
Austria

Richard Frayne, PhD
University of Calgary
Canada

Anthony R. Fuisz, MD
Washington Hospital Center
USA

Elizabeth Goddu, RT
Beth Israel Deaconess Medical Center
USA

William M. Gottliebson, MD
Cincinnati Children’s Hospital
USA

Jordin Green, PhD
Stephenson Cardiovascular MR Centre
Canada

John Grizzard, MD
Virginia Commonwealth University
USA

Matthias Gutberlet, MD
Klinik für Strahlenheilkunde
Germany

Matthew Harris, MD
Children's Hospital of Philadelphia
USA

Willem A. Helbing, MD
Erasmus University
Netherlands

Robert E. Henson II, MD
St. Anthony’s Hospital
USA

Bassem Hiba
Hôpital Neuro Cardiologique
France

Martin Hoffmann, MD
University of Ulm
Germany

Peter Hunold, MD
University Hospital Essen
Germany

Tiffanie R. Johnson, MD
Riley Hospital for Children
USA

Rod Jones, RT
Great Ormond Street Hospital
UK

Robert M. Judd, PhD
Duke University
USA

Petra Keilberg, RT
CNR, Clinical Physiology Institute
Italy

Nikolaos L. Kelekis, MD
General University Hospital “Attikon”
Greece

Peter Kellman, PhD
NIH/NHLBI
USA

Philip Kilner, MD
Royal Brompton Hospital
UK

Kraig V. Kissinger, RT
Beth Israel Deaconess Medical Center
USA

Christoph Klein, MD
German Heart Institute
Germany

Igor Klem, MD
Robert-Bosch-Krankenhaus
Germany

Sandor Kovacs, MD, PhD
Barnes Jewish Hospital
USA

Sebastian Kozorke, PhD
University and ETH Zurich
Switzerland

Gabriele Krombach, MD
University of Aachen
Germany

Uwe Kühl, MD
Humboldt University
Germany

Titus Kühne, MD
German Heart Institute
Germany

Andreas Kumar, MD
Stephenson Cardiovascular MR Centre
Canada

Raymond Kwong, MD
Brigham and Women’s Hospital
USA
<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Hildo Lamb, MD, PhD</td>
<td>Leiden University Medical Center, Netherlands</td>
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<tr>
<td>Titus Lanz, PhD</td>
<td>RAPID Biomedical GmbH, Germany</td>
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<td>W. Alexander Leber, MD</td>
<td>University of Munich, Germany</td>
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<td>Robert J. Lederman, MD</td>
<td>NIH/NHLBI, USA</td>
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<td>Tim Leiner, MD, PhD</td>
<td>Maastricht University Hospital, Netherlands</td>
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<td>Debiao Li, PhD</td>
<td>Northwestern University, USA</td>
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<td>Joachim Lotz, MD</td>
<td>Hannover Medical School, Germany</td>
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<td>Jonathan Lyne, MRCP</td>
<td>Royal Brompton Hospital, UK</td>
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<td>Heiko Mahrholdt, MD</td>
<td>Robert-Bosch-Krankenhaus, Germany</td>
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<td>Michael Markl, MD</td>
<td>University Hospital Freiburg, Germany</td>
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<td>Edward T. Martin, MD</td>
<td>Oklahoma Heart Institute, USA</td>
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<td>Elliot McVeigh, PhD</td>
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<td>Agostino Meduri, MD</td>
<td>Universita Cattolica del S. Cuore, Italy</td>
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<td>Naeem Merchant, MD</td>
<td>Toronto General Hospital, Canada</td>
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<td>Raad H. Mohiaddin, MD</td>
<td>Royal Brompton Hospital, UK</td>
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<td>Lorenzo Monti, MD</td>
<td>Instituto Clinico Humanitas, Italy</td>
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<td>James Moon, MD</td>
<td>Heart Hospital, UK</td>
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<td>Saul Myerson, MD</td>
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<td>Luigi Natale, MD</td>
<td>Catholic University of Sacred Heart, Italy</td>
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<td>Krishna S. Nayak, PhD</td>
<td>University of Southern California, USA</td>
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<td>Thoralf Niendorf, PhD</td>
<td>University of Aachen, Germany</td>
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<td>Ian Patersen, MD</td>
<td>University of Alberta, Canada</td>
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<td>David Patton, MD</td>
<td>Alberta Children's Hospital, Canada</td>
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<td>Mercedes Pereyra, RT</td>
<td>St. Luke's Episcopal Hospital, USA</td>
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<td>Eugenio Picano, MD</td>
<td>CNR Institute of Clinical Physiology, Italy</td>
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<td>Sanjay K. Prasad, MD</td>
<td>Beth Israel Deaconess Medical Center, USA</td>
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<td>Beth Printz</td>
<td>Nashville Cardiovascular MRI Institute, USA</td>
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<tr>
<td>Dipan Shah, MD</td>
<td>Ohio State University, USA</td>
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<td>Daniel K. Sodickson, MD</td>
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Grading and Selection of Abstracts

The Abstract Review Committee is responsible for selecting the best abstracts that reflect the growing interest in the field of cardiovascular magnetic resonance. To maintain the highest quality of our Annual Meeting, we rely on the expert advice of the Abstract Reviewers to select the best abstracts.

Scientists from all over the world were invited to submit abstracts to the 2007 meeting. Abstract submission information was mailed to SCMR members in July 2006, and was available on the SCMR website, from July - September, 2006. Abstracts could be submitted to one of the following ten categories: Experimental MRI, Clinical and Experimental MRI, New Methods-Coronary and Vascular, New Methods - Cardiac, Clinical MRI – Ischemic Heart Disease – Ischemia, Clinical MRI - Ischemic Heart Disease – Viability, Clinical MRI - Ischemic Heart Disease – Other, Clinical MRI - Nonischemic Heart Disease, Clinical MRI - Vascular Disease, Congenital Heart Disease.

In addition, new for this year, Technologists had the opportunity to submit their abstract online to one of the following three categories: New Imaging Methods, Clinical Case Studies and CMR Experimental Research.

This year, a record number total of 546 abstracts from 29 countries were submitted, 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 instructions and authors anonymized. Each abstract was reviewed by at least 3 referees. The top scoring abstracts were selected for either an oral presentation or moderated presentation. Additional excellent abstracts were accepted for poster presentations. We believe that this 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 at hq@scmr.org.

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

Matthias G. Friedrich, Program Chair  Massimo Lombardi, Program Co-Chair  Albert de Roos, Abstract Chair

All abstracts presented during these Annual Scientific Sessions can be viewed in their entirety in the Journal of Cardiovascular Magnetic Resonance

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