

**2009 SCMR 12th Annual Scientific Sessions
Agenda***

Friday, January 30, 2009

- 8:00 AM – 8:30 AM** **Conference Welcome**
- 8:30 AM – 10:00 AM** **Plenary I: Heart Failure: MRI the Gold Standard**
~Imaging Challenges in Heart Failure
Robert Bonow, MD
~Myocardial Tissue Characterization in Heart Failure
- Late Gadolinium Enhancement and Beyond
Christopher Kramer, MD
~Metabolic MRI in Heart Failure
Stefan Neubauer, MD
~Interventional MRI in Heart Failure Therapy
- Current Status and Prediction for the Future
Alexander Dick, MD
~Panel Discussion
- 10:00 AM – 10:30 AM** **Refreshment Break/Opening of Commercial Exhibits/
Poster Viewing (Authors not present)**
- 10:30 AM – 12:00 PM** **Oral Abstract Sessions I, II, III**
- 12:00 PM – 12:30 PM** **SCMR Business Meeting**
- 12:30 PM – 1:30 PM** **Lunch (on own)/Exhibits
Poster Viewing (Authors not present)**
- 1:30 PM – 3:00 PM** **Parallel Sessions**
- Clinical - Perfusion and Ischemic Heart Disease - Current
Evidence for Clinical Application**
~Perfusion-CMR: Is There an Optimum Balance between Speed,
Coverage, Contrast Medium Dose, and Examination Duration
Sven Plein, MD, PhD
~Evidence-Based Perfusion Data Analysis: Performance,
Precision, and Reproducibility
Michael Jerosch-Herald, PhD
~Predicting Prognosis in IHD by Stenosis Degree, Plaque, or
Ischemia: Evidence from Prospective Trials
Rob Beanlands, MD
~CAD Work-up: The Courage to Change Current Practice
Jürg Schwitter, MD
~Perfusion-CMR in Non-Atherosclerotic Ischemic Syndromes:
Takotsubo, Syndrome X, and Cardiomyopathies
Ali Yilmaz, MD
~Panel Discussion
- Basic – Non-Clinical - Metabolic CMR Imaging**
~Cardiac Metabolism - Molecules and Pathways

(*) Times and presentation titles are subject to change.

Stefan Neubauer, MD

~Detecting High Energy Metabolites

Rutger van der Meer, MD

~High-Field Perspectives

Gerald Pohost, MD, FACC

~Dynamic Nuclear Polarization

Florian Wiesinger, PhD

~Probing Cardiac Metabolism with Hyperpolarized Carbon

Craig R. Malloy, MD

~Panel Discussion

~Congenital Heart Disease and Comprehensive Ischemia Evaluation

John Greenwood, MBChB, PhD

~Cardiac Tumors

Maria Helga F. Sta. Maria, MD

~Interesting Cases

Jane Cao, MD, MPH, FACC

~Ischemic Heart Disease Complications

Gaby Weissman, MD

~Unknown Case Presented to Panel for Discussion

Oral Abstracts Session IV

1:30 PM – 6:00 PM

Technologist Workshop

3:00 PM – 3:30 PM

**Refreshment Break/Exhibits
Poster Viewing (Authors not present)**

3:30 PM – 5:00 PM

Oral Abstract Sessions V, VI, VII

5:00 PM - 6:30 PM

Parallel Sessions

CASES

Abstract Sessions VIII, IX

5:30 PM – 6:30 PM

**Moderated Poster Session/
Exhibits/Poster Viewing Session (Authors present)**

6:30 PM – 7:30 PM

Trainees Hour

Saturday, January 31, 2009

8:00 AM – 9:30 AM

Parallel Sessions

Clinical - Ischemia - Novel Approaches to CMR Perfusion

~Quantification of Myocardial Perfusion in Ischemia and Infarction

Frederick Epstein, PhD

~T2 and T2* Imaging in Ischemic Heart Disease (T2 Oedema, Haemorrhage)

(*) Times and presentation titles are subject to change.

Andreas Kumar, MD

~Ischemia Assessment at 3Tesla

T Karamitsos, MD

~Exercise-stress Perfusion CMR

Orlando Simonetti, PhD

~CT/CMR Fusion for Assessment of Ischemic Heart Disease

Richard D. White, MD

~Panel Discussion

Interventional I - iCMR Technical

~X-ray Integrated along/within MRI

John Rowlands, PhD

~iCMR Coils: Surface, Transmit, and Safety

Greig Scott, PhD

~iCMR Coils: Active Intravascular

Graham Wright, PhD

~iCMR Intravascular Devices: Safety, High-Field, Intravascular

Paul Bottomley, PhD

~X-Ray Fused with MRI

Anthony Faranesh, PhD

~Rapid Acquisition for iCMR

John Pauly, PhD

Congenital - “How do I” in Congenital Heart Disease

~CMR Coronary Evaluation in Congenital Heart Disease

Tarinee Tangcharoen, MD

~Coarctation

Charles Higgins, MD

~CMR Measurements of Cardiac Shunts

Shi-Joon Yoo, MD

~CMR Measurements of Regurgitant Valvular Lesions

W. A. Helbing, MD

~CMR Evaluation of Tetralogy of Fallot

Lucia J.M. Kroft, MD, PhD

~Panel Discussion

9:30 AM – 10:15 AM

CMR Technology Updates

10:15 AM – 10:55 AM

CMR Questionnaire

10:55 AM – 11:15 AM

**Refreshment Break/Exhibits
Poster Viewing (Authors not present)**

11:15 AM – 12:30 PM

Oral Abstract Sessions X, XI, XII

12:30 PM – 1:30 PM

**Moderated Poster Session/
Exhibits/Poster Session (Authors present)
Lunch on own**

1:30 PM – 3:00 PM

Parallel Sessions

(*) Times and presentation titles are subject to change.

Clinical - Valvular/Hemodynamics

~The Role of CMR in Valvular Heart Disease

Saul Myerson, MD, MRCP

~How Accurate Is Velocity-Encoding?

Jos J.M. Westenberg, PhD

~Does CT Have a Role in Valve Imaging?

Gudrun Feuchtner, MD, Ao. Prof

~Should All ASD/VSDs Undergo CMR Assessment for Percutaneous Closure?

Karen Ordovas, MD

~CMR Guidance for Percutaneous Pulmonary Valve Implantations

Vivek Muthurangu, MD

~Panel Discussion

Interventional II - iCMR Applications: Focus on EP and Pediatrics

~EP Applications with iCMR 2

Henry Halperin, MD, MA

~Pediatric Endovascular Applications

Titus Kuehne, MD

~Ablations with X-Ray Fused to MR

Kawal Rhode, PhD

~Ablation Targeting and Assessment

Dana Peters, PhD

~MRI Guided Cardiac Surgery

Keith Horvath, MD

~Panel Discussion

Oral Abstract Session XIII

3:00 PM – 3:30 PM

**Refreshment Break/Exhibits/Poster Viewing
(Authors not present)**

3:30 PM – 5:00 PM

Parallel Sessions

New Developments in Cardiac Imaging

~Parallel Imaging Methods for Cardiac Applications

Mark Griswold, PhD

~Real-Time Cardiac Imaging

Bob Hu, MD

~Myocardial Perfusion ASL Imaging

Krishna Nayak, PhD

~Fat and Water Separated Imaging

Peter Kellman, PhD

~Edema Imaging

Anthony Aletras, PhD

Congenital: CMR Assessment of Transposition, Double-Outlet Right Ventricle and Single Ventricle

~CMR Evaluation of Single Ventricular Function

(*) Times and presentation titles are subject to change.

Tal Geva, MD

~CMR in the Late Evaluation of Systemic Right Ventricle-Atrial Switch Procedure and Corrected Transposition

W.A. Helbing, MD

~Post-Operative Complications of Arterial Switch Procedure

Andrew Powell, MD

~CMR for Pre-Surgical Evaluation: Single vs. Two-Ventricle Approach

Mark A. Fogel, MD, FACC, FAHA, FAAP

~CMR Evaluation Post Correction of DORV

Javier Ganame, MD, PhD

~Panel Discussion

CASES

Unknown Cases

Paulo Schwartzman, MD

Norbert Wilke, MD, FACC

Roquell Wyche, MD

Ronan Curtin, MD

Bernhard Gerber, MD

Oral Abstract Session XIV

5:00 pm – 6:30 pm

Parallel Sessions

Interventional - MRA in the Nephrogenic Systemic Fibrosis Era - Contrast-enhanced vs. Non-Contrast MRA Techniques

~Time Resolved Contrast - Enhanced MRA

James Carr, MD

~Low Dose Gadolinium MRA

Paul Finn, MD

~Thoracic Non-Contrast MRA - Volumetric SSFP

Andrew Taylor, MD

~Non-Contrast MRA - Abdominal Aorta, Renal Arteries, and Peripheral

Robert Edelman

~NSF - Is This an Overblown Risk?

Brett Elicker, MD

~Panel Discussion

Oral Abstract Session XV

7:00 PM

Awards Presentation and Reception

Sunday, February 1, 2009

8:00 AM – 9:30 AM

Parallel Sessions

Basic Science - Coronary CT/MR

(*) Times and presentation titles are subject to change.

~Coronary CT: Current State

Lucia J.M. Kroft, MD, PhD

~Coronary MR: Current State

Hakime Sakuma, MD

~Coronary MR: What is the Future?

Matthias Stuber, PhD

~Head-to-Head Comparison of Coronary MR and CT

Marc Dewey, MD

~Do We need Coronary Anatomy, Perfusion or Both?

Andrew Arai, MD

~Panel Discussion

Molecular MRI

~Molecular MRI of Coronary Atherosclerosis and Vascular Injury

Rene Botnar, PhD

~From Ischemia to Rejection: Molecular Imaging of Myocardial Disease

David E. Sosnovik, MD

~MR "Theranostic" Approaches to Cardiovascular Disease

Gregory M. Lanza, MD, PhD

~MR Approaches to Stem Cell Tracking in Vivo

Dara L. Kraitchman, VMD, PhD

~Molecular Imaging of Cardiovascular Disease with Gd-based Contrast Agents

Klaas Nicolay, MD, PhD

~Panel Discussion

9:30 AM – 10:00 AM

Refreshment Break

10:00 AM – 11:30 AM

Parallel Sessions

Clinical - Non-Ischemic - CMR in Systemic Diseases

~CMR in Thalassemia

Massimo Lombardi, MD

~CMR in Vasculitis and Other Rheumatic Diseases

Sophie Mavrogeni, MD

~CMR in Myocarditis

Peter Hunold, MD

~CMR In Metabolic Syndrome

Hildo Lamb, MD, PhD

~CMR in Diabetes

Michaela Scheuermann-Freestone, MD

~Panel Discussion

CASES - Congenital

Ruchira Garg, MD

Aloha Meave, MD

Gerald F. Greil, MD

Luigi Lovato, MD

(*) Times and presentation titles are subject to change.

Joachim Eichhorn, MD

11:30 AM – 1:00 PM

Plenary Session II –

CMR Assessment of Myocardial Injury

~Historical Perspective: CMR Assessment of Myocardial Injury:
The Last 25 Years and the Future

Albert de Roos, MD, PhD

~Point/Counterpoint: Sudden Death Risk Stratification: The
"Grey Zone" is the Best Index

Raymond Kwong, MD

~Point/Counterpoint: Sudden Death Risk Stratification: The
"Grey Zone" is Not so Black or White

Daniel Lee, MD

~Point/Counterpoint: Reversible Ischemic Injury: T2 Weighted
Imaging Delineates the Area at Risk

Matthias Friedrich, MD, FESC

~Point/Counterpoint: Reversible Ischemic Injury: T2 Weighted
Imaging of Reversible Injury is not Ready for Prime Time

Han Kim, MD

1:00 PM – 1:15 PM

Closing Remarks