TRUTH
IN EVIDENCE-BASED MEDICINE

CHALLENGE
CONVENTIONAL WISDOM

TRANSFORM
YOUR THINKING

FINAL PROGRAM
October 20-25, 2007
Washington Convention Center · Washington, DC
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Cardiovascular Research Foundation
presents the 19th Annual Symposium

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- Athens Interventional Cardiovascular Therapeutics
- British Cardiovascular Intervention Society
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- Complex Catheter Therapeutics
- EuroPCR
- International Society of Endovascular Specialists
- Joint Interventional Meeting
- Pediatric and Adult Interventional Therapies for Congenital and Valvular Heart Disease
- Peripheral Vascular Surgery Society
- Preventive Cardiovascular Nurses Association
- Sociedad Latinoamericana de Cardiologia Intervencionista
- Society for Cardiovascular Angiography and Interventions
- Society for Vascular Medicine and Biology
- Society of Invasive Cardiovascular Professionals
- Science Innovation Synergy
- VEITHsymposium
30TH ANNIVERSARY OF ANGIOPLASTY

This year marks the 30th anniversary of the first coronary angioplasty. TCT 2007 will incorporate special sessions designed to highlight this milestone. Don’t miss the TCT 2007 opening session in the Main Arena, Monday, October 22 at 7:45 am, that will feature an appearance by Dolf Bachmann, who underwent the world’s first coronary angioplasty by Andreas Gruntzig on September 16, 1977. In addition a special session “A Tribute to Andreas Gruntzig: A Thirty Year Odyssey and His Legacy of PCI,” will be presented Monday, October 22 at 5:15 pm, in the Main Arena by Bernhard Meier, MD. Interviews with the pioneers who worked with Andreas Gruntzig and who helped shape the subspecialty of interventional cardiology will be broadcast in the main theaters and throughout the convention center the entire week.

CATH LAB OF THE FUTURE

This interactive area, designed to showcase cutting-edge ideas, futuristic concepts, and advanced products for the cath lab under development, is located in the center of the Exhibit Hall and will create a unique exploratory experience for all attendees.

The Cath Lab of the Future will feature demonstrations from the following companies:
- Boston Scientific Corporation
- GE Healthcare
- Hansen Medical
- Infrarex, Inc
- LightLab Imaging
- MediGuide, Inc
- Paeon, Inc
- Philips Medical Systems
- Prescient Medical, Inc
- Siemens Medical Solutions USA, Inc
- Simbionix
- TopSpin Medical
- Vital Images, Inc
- Volcano Corporation

PERCUTANEOUS INTERVENTION FOR THE SURGEON

This course, representing a comprehensive introduction to percutaneous coronary, endovascular, and adult congenital and valvular therapies specially designed for the surgeon, will provide an in-depth review of the core knowledge base and skill set of interventional cardiology. The understanding and lessons learned from this 2-day course represents the first step toward surgical ‘cross-training,’ with the ultimate goal of acquisition of skills both in the catheterization laboratory as well as the surgical suite. All aspects of percutaneous coronary, vascular, and valvular introduction will be covered with in-depth review of the equipment, terminology, and basic techniques of endovascular and cardiac structural intervention. The course is being held Saturday, October 20 and Sunday, October 21 in room 207.

See pages 26 and 36 for course schedules.

TCT SUPPORTED CHARITY

Every day in the United States thousands of unused and reusable medical supplies are discarded and sent to landfills or are incinerated. At the same time in developing countries, thousands of patients are turned away from hospitals and medical centers due to lack of these supplies. Doc to Dock is a non-profit charity whose mission is to correct this imbalance.

Doc to Dock, in partnership with the Cardiovascular Research Foundation, is asking for TCT attendees to help in this vital need by bringing a stethoscope and/or other portable medical supplies to TCT 2007. For more information, please visit the Doc to Dock booth on the L Street Bridge at the entrances of the exhibit hall.

INTERNATIONAL LOUNGE

Visit the International Lounge for a cup of coffee or a quiet place to relax. The lounge will also include newspapers from around the world so you’ll never feel that far from home.

TCT LIVE

Available on-site through the complementary wireless Internet at the Washington Convention Center or using any hard-wire connection, this dedicated Web site will be your main TCT information resource while at the meeting. There will also be TCT Live and Abstract Kiosks located throughout the convention center to allow you to view taped live cases, selected late breaking trials, downloadable audio narrated slides, and CME evaluations. Please visit www.TCTlive.com.

TCT APPRECIATION LUNCHEON

TCT would not be possible without the continued participation of our fellow colleagues who make TCT a part of their annual educational experience. We are grateful for their continued attendance at the meeting. We will honor those attendees who have attended the meeting for the past five years with an Appreciation Luncheon, Monday, October 22, 12:00 PM-2:00 PM. This luncheon will be by advance invitation only.

LIVE CASES REVIEW STATIONS

Sites performing live cases in conjunction with TCT will electronically transfer angiograms and IVUS studies from their sites to CardioNow Live Case Review pods powered by Agfa HealthCare located throughout the Washington Convention Center. Within minutes or hours of live case completion, these studies will be available for clinical review. The pods locations include the Exhibit Hall, the lower level outside the Coronary Theater and on the 2nd floor near room 207.
CME ACCREDITATION AND DESIGNATION

The Cardiovascular Research Foundation is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The Cardiovascular Research Foundation designates this educational activity for a maximum of 57.0 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Sixty minutes of physician participation in TCT equals one credit. This does NOT include Breakfast Meetings, Evening Symposia, Challenging Cases presented in the Exhibit Hall, or other specialty programs, such as Hands on Hearts or Teachimage™. Documentation of awarded credit is provided for registered attendees in exchange for completed activity evaluations. Certificates of attendance are provided to all registered attendees.

CE ACCREDITATION AND DESIGNATION

This program has been approved by the American Association of Critical Care Nurses (AACN) for 57.0 Contact Hours, Category A, file number 00014106.

LEARNING OBJECTIVES

By the end of this symposium, participants should be able to:

• Understand the results from important clinical trials and evidence-based medicine that guide the management of patients with atherosclerosis and structural heart disease
• Integrate new interventional technologies and procedures to the care of patients with complex coronary and endovascular disease
• Explain advances in diagnostic evaluation and therapeutics for patients with carotid and peripheral arterial disease
• Describe appropriate pharmacologic management in the care of patients undergoing diagnostic arteriography and interventional therapies before, during, and after catheterization
• Distinguish between new interventional technologies and propose their appropriate applications to patients with cardiovascular disease

TARGET AUDIENCE

This symposium is designed for interventional cardiologists, radiologists, clinical cardiologists, basic scientists, vascular medicine specialists, surgeons, and other health care professionals with a special interest in the field of interventional and vascular medicine.

ACTIVITY EVALUATION

Evaluation by questionnaire will address content, presentation, possible bias, and future educational needs.

DISCLOSURE STATEMENT

It is the policy of the Cardiovascular Research Foundation to ensure balance, independence, objectivity, and scientific rigor in all of its sponsored educational programs. Commercial support from industry does not influence educational content, faculty selection, and/or faculty presentations, and, therefore, does not compromise the scientific integrity of the educational activity. Discussion of off-label product usage, and/or off-label product use during live or taped cases, is made at the sole discretion of the faculty and is not endorsed by the Cardiovascular Research Foundation or the program directors for this activity. Faculty participating in continuing medical education activities sponsored by the Cardiovascular Research Foundation are required to disclose to the program audience any real or apparent conflict of interest related to the content of their presentation(s). Faculty not complying with this policy are not permitted to participate in this activity.

PROGRAM SPONSORSHIP AND SUPPORT

The Cardiovascular Research Foundation strives to ensure that its programs are as educational as possible. To support this endeavor, TCT directors and co-directors create organizational and scientific committees to assist in educational content development and content oversight for live cases, concurrent sessions, case reviews, abstract sessions, practical workshops, and scientific symposia. These sessions are developed without influence from commercial supporters.

This symposium is sponsored by the Cardiovascular Research Foundation and partially funded through educational grants from commercial supporters.
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<td>SyneCor, LLC, Portola Valley, CA</td>
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<td>Moses Cone Heart and Vascular Center, Lebauer Cardiovascular Research Foundation, Greensboro, NC</td>
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<td>North Central Heart Institute, Sioux Falls, SD</td>
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<td>H. Robert Supero, MD</td>
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<td>Wilson Y. Szeto, MD</td>
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<td>Christopher J. White, MD</td>
<td>Ochsner Heart and Vascular Institute, New Orleans, LA</td>
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Rockville, MD

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Ivan J. Chavez, MD
Timothy D. Henry, MD
Daniel L. Lips, MD
Michael Mooney, MD
Wesley R. Pedersen, MD
Anil Poulose, MD
Robert S. Schwartz, MD
Jay Tradirise, MD
Yale L. Wang, MD

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Ken Soland, MD

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Roberto Lang, MD
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Giora Weisz, MD

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Warren L. Johnson, MD
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Columbus, OH
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Mitchell J. Silver, DO

UNIVERSITY OF COLORADO HOSPITAL
Denver, CO
John D. Carroll, MD
Ivan Casserly, MD
Joel Garcia, MD
John Messenger, MD
SCIENTIFIC SYMPOSIA AND PRACTICAL WORKSHOPS
7:45 AM-7:15 PM

PERCUTANEOUS INTERVENTION FOR THE SURGEON, PART 1
7:45 AM-7:15 PM
Room 207AB
Director: Mathew Williams
Co-Directors: Michael J. Davidson, Francesco Maisano, Eric E. Roselli
7:45 AM - Welcome Introduction and Course Objectives
Mathew Williams
7:50 AM - A New Paradigm: Cardiac Surgeons as Interventionalists
Michael J. Davidson
8:00 AM - How to Do It and What Is Required
Mathew Williams

A PRIMER OF PERCUTANEOUS ANGIOGRAPHY AND INTERVENTION
Moderators: Michael J. Davidson, Mathew Williams
8:10 AM - The Cath Lab Environment: Room Setup and Differences from the Surgical Suite
Arash Salemi
8:25 AM - Introduction to Imaging and Radiation Safety
Stephen Balter
8:40 AM - Vascular Access and Closure: Alternatives and Complications
Zoltan G. Turi
8:55 AM - Angiographic Catheters: Shapes, Sizes, and Selective Vessel Engagement: Coronary and Non-Coronary
Ajay J. Kirtane
9:10 AM - Basics of Angiography: Manifold and Injectors, Anatomy, Angles, Contrast Agents, and Artifacts
Michael J. Davidson
9:25 AM - Introduction to the Coronary Angioplasty Procedure: Edited Case Video
Manish A. Parikh
9:40 AM - Angioplasty 101: Guidewires (Including Exchanges), Guide Catheters, Balloons (Materials, Compliance, OTW vs. Exchange), Basic Technique, and Mechanism of Action
Michael J. Cowley

9:55 AM - Case Examples and Interactive Q&A
Moderators: Michael J. Davidson, Mathew Williams
Discussants: Michael J. Cowley, Ajay J. Kirtane, Manish A. Parikh, Arash Salemi, Zoltan G. Turi
10:10 AM - Break
10:25 AM - Angioplasty 102: Stent Types and Construction, Bare Metal and Drug-Eluting, Mechanism of Action, Acute Success, and Complication Rates
John M. Lasala
10:40 AM - Angioplasty 103: Adjunct Pharmacology Essentials
Steven V. Manoukian
10:55 AM - Angioplasty 104: Interventional Complications and Management
Susheel Kodali
11:10 AM - Angioplasty 105: Restenosis in Different Vascular Beds: Incidence with Balloon Angioplasty and Stents, Implications, Mechanisms, and Terminology
Alexandra J. Lansky
11:30 AM - Case Examples and Interactive Q&A
Moderators: Michael J. Davidson, Mathew Williams
Discussants: Susheel Kodali, Alexandra J. Lansky, John M. Lasala, Steven V. Manoukian
11:45 AM - Lunch and Practicum I: Simulator Station and Device Tables: Basic Skills

BEYOND THE BASICS
Moderators: Susheel Kodali, Charles A. Simonton
1:45 PM - Right and Left Heart Hemodynamics: Setup, Information, Indications
Larry S. Dean
2:00 PM - Intravascular Ultrasound: Devices, Image Generation, Basic Measures, and Utility
John McB. Hodgson
2:15 PM - Primary Coronary Angioplasty for Acute Myocardial Infarction and the Thrombus Containing Lesion
Mark A. Turco
2:30 PM - Understanding and Interpreting Stent Studies: Drug-Eluting vs. Bare Metal, On- vs. Off-Label
Charles A. Simonton
2:45 PM - PCI vs. CABG: What Most Interventionalists Think (And Rationalize)
Issam D. Moussa

3:00 PM - Valvuloplasty Core Competencies: Transseptal Catheterization and Retrograde Aortic Crossing
Howard C. Herrmann
3:15 PM - Case Examples and Interactive Q&A
Moderators: Susheel Kodali, Charles A. Simonton
Discussants: Howard C. Herrmann, Issam D. Moussa
3:30 PM - Practicum II: Simulator Station and Device Tables: Basic Skills

HYBRID THERAPY
Moderators: John G. Byrne, Thomas A. Vassiliades, Jr
4:45 PM - The Hybrid Suite and Routine Angiographic Assessment After CABG
John G. Byrne
5:00 PM - Hybrid Therapy for Disease of the Aorta
Eric E. Roselli
5:15 PM - Combined PCI and CABG: Techniques, Timing, Pharmacology, and Clinical Results
Thomas A. Vassiliades, Jr
5:30 PM - When Surgery Fails: Incidence and Results of Percutaneous Intervention of Graft Disease
Sheldon Goldberg
5:45 PM - Moderated Discussion and Q&A
Panel Moderators: John G. Byrne, Thomas A. Vassiliades Jr
Discussants: Sheldon Goldberg, Eric E. Roselli

EVENING SESSION: THE SOCIETY OF SURGERY AND CARDIOVASCULAR INTERVENTION (SSCI)
Moderators: Michael J. Davidson, Eric E. Roselli, Arash Salemi, Mathew Williams
6:00 PM - SSCI Introduction, Mission, Activities, and Call for Membership
Mathew Williams
6:15 PM - Keynote Presentation: The Changing Face of Cardiac Surgery
Michael J. Mack
6:45 PM - Reception
BOARD REVIEW COURSE WITH SELF ASSESSMENT FOR INTERVENTIONAL CARDIOLOGY AND ENDOVASCULAR MEDICINE, PART 1: CORE CURRICULUM
8:00 AM-6:00 PM
Room 146ABC

FUNDAMENTAL KNOWLEDGE
Moderator: George D. Dangas
8:00 AM - Pathology of Atherosclerosis and Restenosis
Renu Virmani
8:40 AM - Q&A
8:55 AM - Medical Statistics and Trial Design
Stuart J. Pocock
9:40 AM - Q&A
8:00 AM - Radiation Principles and Safety
Stephen Balter
10:15 AM - Q&A

INTERVENTIONAL PHARMACOLOGY
Moderator: George D. Dangas
11:00 AM - Antiplatelet Medications: Classification and Indications in PCI, CABG, ACS, and AMI
George D. Dangas
12:00 PM - Q&A
12:15 PM - Break
1:00 PM - Antithrombin and Thrombolytic Medications: Classification and Indications in PCI, CABG, ACS, and AMI
Steven V. Manoukian
2:00 PM - Q&A
2:15 PM - Pre- and Post-PCI Patient Management
Alexandra J. Lansky
2:40 PM - Q&A

CARDIOVASCULAR NON-INVASIVE IMAGING: CTA, MRI, AND BEYOND (WITH READING SESSIONS WITH THE EXPERTS), PART 1
12:00 PM-6:30 PM
Room 151A

CARDIAC CT DIDACTIC SESSIONS
Moderators: Daniel S. Berman, Pim de Feyter
3:45 PM - Q&A

3:55 PM - Coronary Angiography and Ventriculography: Anatomy and Anomalies
Michael J. Lim
4:20 PM - Q&A
4:30 PM - Valvular Heart Disease: Hemodynamic Assessment and Interventional Approaches
Zoltan Turi
5:00 PM - Q&A
5:15 PM - Congenital Heart Disease in the Adult: Diagnosis and Interventional Approaches
Robert J. Sommer
5:45 PM - Q&A
6:00 PM - Adjourn

12:00 PM - CT Scanners, Acquisition Protocols, and Radiation Exposure (Today and Tomorrow)
Stephan Achenbach
12:20 PM - Coronary CTA in the Assessment of Acute Chest Pain
James A. Goldstein
12:40 PM - Coronary CTA vs. Coronary Calcium Scoring in Assessment of Stable Chest Pain and Asymptomatic Patients
Daniel S. Berman
1:00 PM - Evaluation of Stents and Vein Grafts with CTA
John R. Lesser
1:20 PM - Adult Congenital Heart Disease: When is CT the Test of Choice?
Jeffrey C. Hellinger
1:40 PM - Guidelines and Economics of Coronary CTA
Michael Poon
2:00 PM - Q&A

CT WORKSTATION DEMOS: HOW TO INTERPRET . . .
Moderators: Stephan Achenbach, Michael Poon
2:15 PM - Coronary CTA (Including Anomalies)
Michael Poon
2:35 PM - Cardiac Function and Valvular Heart Disease
John R. Lesser
2:55 PM - Bypass Grafts and Stents
Stephan Achenbach
3:15 PM - Vascular CTA
W. Guy Weigold

12:00 PM - Risk Stratification by Coronary CTA
Pim de Feyter
3:50 PM - Evaluation of In-Stent Restenosis and Chronic Total Occlusions with CTA
Vinay Malhotra
4:05 PM - SPECT-CT and PET-CT: Simultaneous or Sequential?
Daniel S. Berman
4:20 PM - Evaluation of Patients with Atrial Fibrillation
Michael Poon
4:35 PM - Characterization of Atherosclerotic Plaque
Pim de Feyter
4:50 PM - Q&A
SATURDAY  \  OCTOBER 20, 2007

CLINICAL CASE EXAMPLES: READ CT WITH THE EXPERTS
Moderators: Daniel S. Berman, Michael Poon
5:10 PM - Three Patients with Acute Chest Pain
Stephan Achenbach
5:30 PM - Three Patients with Stents and Vein Graft Disease
Vinay Malhotra
5:50 PM - Three Patients with Cardiomyopathy and Valvular Heart Disease
John R. Lesser
6:10 PM - Three Patients with Cardiac Arrhythmias and Implanted Devices
Michael Poon
6:30 PM - Adjourn

INTERVENTIONAL STRATEGIES AND ADJUNCT PHARMACOLOGY IN ACS AND AMI, PART 1
12:00 PM-6:10 PM
Room 151B

ACS I: INVASIVE VS. CONSERVATIVE STRATEGIES AND RISK STRATIFICATION
Moderators: John A. Ambrose, Daniel I. Simon
12:00 PM - Use Recommendations for Old and New Biomarkers in Patients with Chest Pain
Daniel I. Simon
12:12 PM - Emergency Room Role of CTA Imaging to Risk Stratify Patients with Chest Pain
Thomass J. Brady
12:22 PM - Meta-Analysis of PCI vs. Medical Therapy in Patients with Stable and Unstable Angina
Adnan Kastrati
12:32 PM - Making the Case for a Routine Early Invasive Strategy in Unstable Angina and NSTEMI
Helmet Schuhlen
12:42 PM - Making the Case for a Delayed Invasive Strategy in Unstable Angina and NSTEMI
Robert J. de Winter
12:52 PM - TCT-1: Complete vs. Culprit Vessel Percutaneous Revascularization in Patients with Non-ST Segment Elevation Acute Coronary Syndromes
Anibal A. Damonte et al

1:02 PM - The Role of Adjunctive Medical Therapies in ACS and NSTEMI (Statins, Beta Blockers, ACE Inhibitors, and More): Timing and Impact
James H. Chesebro
1:14 PM - TCT-2: Biochemical Assessment of the Atherosclerotic Plaque Necrotic Core Content in Patients with Coronary Artery Disease
Adan Rzdanek et al
1:24 PM - Moderated Discussion and Q&A
Panel Moderators: John A. Ambrose, Daniel I. Simon
Discussants: Thomas J. Brady, James H. Chesebro, Anibal A. Damonte, Robert J. de Winter, Adam Rzdanek, Helmet Schuhlen

ACS II: NSTEMI GUIDELINES AND EVIDENCE-BASED MEDICINE
Moderators: Michel E. Bertrand, Alice K. Jacobs
1:39 PM - Critical Appraisal of the “New” European and “New” American NSTEMI Guidelines
Robert J. deWinter
1:54 PM - Evolving US Practices in ACS and NSTEMI: Lessons from CRUSADE
John L. Petersen
2:06 PM - Evolving Global Practices in ACS and NSTEMI: Lessons from GRACE
Michel E. Bertrand
2:18 PM - Cost Drivers in ACS and PCI and Cost-Effectiveness of Different Anticoagulant Approaches
David J. Cohen
2:30 PM - Minimizing Hemorrhagic Complications in ACS and PCI: Insights from OASIS-5 and ACUITY
Martial Hamon
2:40 PM - Is the Prevention of Iatrogenic Bleeding (or Transfusion) Now More Important Than Ischemia in ACS and PCI?
Steven V. Manoukian
2:50 PM - Moderated Discussion and Q&A
Panel Moderators: Michel E. Bertrand, Alice K. Jacobs
Discussants: David J. Cohen, Robert J. de Winter, Martial Hamon, John L. Petersen

ACS III: ANTIPLATELET DECISIONS IN NSTEMI
Moderators: Alan D. Michelson, Victor L. Serebruany
3:05 PM - The Case for Routine Upfront Thienopyridine Loading Prior to Angiography in ACS
Ramin Ebrahimi
3:15 PM - Is Clopidogrel Preloading Beneficial: From Cure and Credo to PRAGUE-8 and Beyond
Germano Di Sciascio
3:25 PM - Thienopyridine Hyporesponsiveness Considerations in ACS: Rationale for and Design of OASIS-7
Michael Rokoss
3:35 PM - Thienopyridine Hyporesponsiveness: Definitions, Implications, and Monitoring Considerations in ACS and PCI
Alan D. Michelson
3:47 PM - Properties and Expectations for Novel P2Y12 Antagonists, PAR-1 Inhibitors, and Other Antiplatelet Agents Under Development and in Clinical Testing
Ali F. Sonel
4:02 PM - Controversies in Platelet Function Assessment: Implications for the Development of New Agents
Victor L. Serebruany
4:12 PM - Arguing for Routine Upstream GP IIb/IIIa Inhibitors in ACS and NSTEMI
David F. Kong
4:22 PM - Arguing for GP IIb/IIIa Inhibitors in ACS and NSTEMI During PCI
Helmet Schuhlen
4:32 PM - Arguing Against GP IIb/IIIa Inhibitors in ACS and NSTEMI
David A. Cox
4:42 PM - Moderated Discussion and Q&A
Panel Moderators: Alan D. Michelson, Victor L. Serebruany

ACS IV: ANTIITHROMBIN DECISIONS IN NSTEMI
Moderators: Martin T. Rothman, Gary L. Schaer
4:57 PM - New Insights from SYNERGY and Related Trials: When and How Should Low Molecular Weight Heparins Be Used in ACS and NSTEMI?
Sunil V. Rao
5:09 PM - New Insights From ACUITY: When and How Should Bivalirudin Be Used in ACS and NSTEMI?
Roxana Mehran

5:21 PM - New Insights From OASIS 5: When and How Should Fondaparinux Be Used in ACS and NSTEMI?
Michael Rokoss

5:33 PM - Antithrombins and Platelet Reactivity: From Theory to Practical Considerations
Lisa K. Jennings

5:43 PM - Should All Health Care Systems Strive For Optimal Therapeutic Pathways to Maximize Outcomes Using Evidence-Based Medicine?
John A. Ambrose

5:53 PM - Moderated Discussion and Q&A
Panel Moderators: Martin T. Rothman, Gary L. Schaer
Discussants: John A. Ambrose, Franz Wolfgang Amann, Lisa K. Jennings, Roxana Mehran, Sunil V. Rao, Michael Rokoss

6:10 PM - Adjourn

MOLECULAR CARDIOLOGY BREAKTHROUGHS: CELL THERAPY AND ANGIOGENESIS, PART 1
12:00 PM-6:00 PM
Room 154AB

ANGIOGENESIS I: MECHANISMS AND NOVEL MOLECULAR STRATEGIES
Moderators: Stephen E. Epstein, Jonathan M. Hill
12:00 PM - The Evolution of Angiogenesis: What We Have Learned and Where We Are Going?
Stephen E. Epstein

12:15 PM - Nitric Oxide Production: A Marker of Cell Viability?
Marco A. Costa

12:27 PM - “Small Molecule-Facilitated” Cardiovascular Repair
Stefanie Dimmelner

12:42 PM - Primary and Secondary Mediators of Angiogenesis: VEGF and Beyond
Frank J. Giordano

12:57 PM - Moderated Discussion and Q&A
Panel Moderators: Stephen E. Epstein, Jonathan M. Hill
Discussants: Marco A. Costa, Stefanie Dimmelner, Frank J. Giordano

ANGIOGENESIS II: FOCUS ON ENDOTHELIAL PROGENITOR CELLS
Moderators: Stefanie Dimmelner, Frank J. Giordano
1:12 PM - What Constitutes an Endothelial Progenitor Cell? Identifying Characteristics
William W. Li

1:27 PM - Engineered Endothelial Progenitor Cells: Disease-Specific Cell Targeting
Duncan J. Stewart

1:42 PM - Endothelial Progenitor Cells: Potential for Myocardial Protection
Sunil V. Rao

1:57 PM - Emerging Clinical Relevance of De Noo EPC Levels
Jonathan M. Hill

2:09 PM - Moderated Discussion and Q&A
Panel Moderators: Stefanie Dimmelner, Frank J. Giordano
Discussants: Jonathan M. Hill, William W. Li, Sunil V. Rao, Duncan J. Stewart

ANGIOGENESIS III: CLINICAL RESULTS AND NEW DIRECTIONS 1
Moderators: Roger J. Laham, Michael Simons
2:24 PM - Gene Therapy Trials for Coronary Artery Disease: “Deciphering the Signals”
Michael Simons

2:39 PM - SEACOST Trial Update: Clinical Effects and Future Directions of CD133+ Cells
Vincent J. Pompili

2:54 PM - Autologous CD34+ Cells for the Treatment of Chronic Myocardial Ischemia: Preliminary Observations
Timothy D. Henry

3:09 PM - Immunoselected Bone Marrow-Derived Progenitor Cells for Chronic Myocardial Ischemia
Silviu Itescu

3:24 PM - The Copenhagen MSC Study: First Report
Jens Kastrup

3:36 PM - TCT-5: Cellular Interventional Therapy for Non-Revascularizable Coronary Artery Disease: How Many Patients Are Eligible?
Thomas Kiernan et al

3:46 PM - Vascular Repair with Bone Marrow Derived Stem Cells
Hyo-Soo Kim

4:01 PM - Moderated Discussion and Q&A
Panel Moderators: Roger J. Laham, Michael Simons
Discussants: Timothy D. Henry, Jens Kastrup, Thomas Kiernan, Vincent J. Pompili, Hyo-Soo Kim, Silviu Itescu

ANGIOGENESIS IV: CLINICAL RESULTS AND NEW DIRECTIONS 2
Moderators: Joshua M. Hare, Timothy D. Henry
4:21 PM - Synergistic Angiogenesis with Mesenchymal Stem Cells and Laser Revascularization
Keith A. Horvath

4:33 PM - Novel Epicardial Patch for Angiogenesis: Initial Clinical Observations
Barley Griffith

4:45 PM - Progress with Adipose-Derived Cells: Turning Fat into Vessels
Henricus J. Duckers

5:00 PM - Angiogenesis Agents for Critical Limb Ischemia: Second Generation and Beyond
Michael Simons

5:15 PM - Progenitor Cell Therapy for Pulmonary Hypertension: The PHACeT Trial
Duncan J. Stewart

5:27 PM - TCT-6: Infarct Size and Myocardial Blood Flow After CD133+ Stem Cells Therapy in Large Myocardial Infarction: A Randomized Controlled Trial
Alessandro Colombo et al

5:37 PM - Moderated Discussion and Q&A
Panel Moderators: Joshua M. Hare, Timothy D. Henry
Discussants: Alessandro Colombo, Henricus J. Duckers, Barley Griffith, Michael Simons, Duncan J. Stewart

6:00 PM - Adjourn

SEPTAL ABLATION FOR HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY
12:00 PM-5:45 PM
Room 204ABC
Moderators: Ulrich Sigwart, William Spencer

OVERVIEW OF HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY AND NON-INTERVENTIONAL THERAPIES
12:00 PM - Introduction to Hypertrophic Cardiomyopathy: Etiology, Presentation, and Natural History
Robert Roberts

12:20 PM - Pacing and Defibrillator Treatment of Hypertrophic Cardiomyopathy
Hasan Garan

12:35 PM - Surgical Treatment of Hypertrophic Obstructive Cardiomyopathy
Paul Soraja
12:50 pm - Moderated Discussion and Q&A
Moderators: Ulrich Sigwart, William Spencer
Discussants: Hasan Garan, Robert Roberts, Paul Sorajja

THE ALCOHOL SEPTAL ABLATION PROCEDURE
1:05 pm - The Origins of Alcohol Septal Ablation: Historical Perspectives and Lessons Learned
Ulrich Sigwart
1:20 pm - Diagnosis and Patient Selection for Alcohol Septal Ablation
William Spencer
1:40 pm - The Hemodynamics of Hypertrophic Cardiomyopathy: Relevance to the Alcohol Septal Ablation Procedure
Morton J. Kern
1:55 pm - The Basic Technique of Alcohol Septal Ablation
Christopher Nielsen
2:10 pm - Intraprocedural Use of Echocardiography to Guide Alcohol Septal Ablation
Sherif F. Naghueh
2:25 pm - Tips and Tricks in Alcohol Septal Ablation
Igor F. Palacios
2:45 pm - Frequency, Prevention, and Management of Complications of Alcohol Septal Ablation
William Spencer
3:05 pm - Alcohol Septal Ablation: 10-Year Results
Valerian Fernandes
3:25 pm - Comparison of Surgical Myectomy and Alcohol Septal Ablation Using MRI
Paul Sorajja
3:40 pm - Moderated Discussion and Q&A
Panel Moderators: Ulrich Sigwart, William Spencer
Discussants: Valerian Fernandes, Morton J. Kern, Sherif F. Naghueh, Christopher Nielsen, Igor F. Palacios, Paul Sorajja
4:00 pm - TCT-9: Assessment of Percutaneous Transluminal Septal Myocardial Ablation in Hypertrophic Obstructive Cardiomyopathy: Evaluation by Contrast Enhanced Magnetic Resonance Imaging
Kamaldeep Chawla et al

OUTCOMES OF SEPTAL ABLATION BY OTHER TECHNIQUES
4:15 pm - Septal Ablation Using Radiofrequency Energy
Paul Sorajja
4:30 pm - Septal Ablation by Coil Embolization
Ulrich Sigwart
4:45 pm - Moderated Discussion and Q&A
Panel Moderators: Ulrich Sigwart, William Spencer
Discussant: Paul Sorajja

COMPLEX CASE PRESENTATIONS WITH PANEL DISCUSSION
Moderators: Ulrich Sigwart, William Spencer
Discussants: Valerian Fernandes, Morton J. Kern, Sherif F. Naghueh, Christopher Nielsen
4:55 pm - Case 1
John W. Hirshfeld, Jr
5:10 pm - Case 2
Massoud A. Leesar
5:25 pm - Case 3
Marc D. Feldman
5:40 pm - Final Remarks
Moderators: Ulrich Sigwart, William Spencer
5:45 pm - Adjourn

THE CAROTID WORKSHOP: EXPLORING THE CONTROVERSIES FROM DIAGNOSIS TO INTERVENTION
12:00 pm - 6:30 pm
Room 202A

ASSESSMENT OF THE SYMPTOMATIC AND ASYMPOTOMATIC PATIENT
Moderators: Seemant Chaturvedi, Jeffrey W. Olin
12:00 pm - An Algorithm to Differentiate Among Diagnostic Tests to Evaluate Carotid Artery Stenosis
Jeffrey W. Olin
12:15 pm - Medical Management of Carotid Artery Disease as a Stand Alone Modality and Adjunctive to Revascularization
Bruce H. Gray

THE FIRST CAROTID DEBATE: POSITION: CAROTID REVASCULARIZATION (BOTH ENDARTERECTOMY AND STENTING) ARE OVERUSED IN THE ASYMPTOMATIC PATIENT
Moderator: Rajesh M. Dave
12:30 pm - Concur: Medical Therapy and Surveillance Should Be Frontline Therapy
Seemant Chaturvedi
12:40 pm - Object: The Data Supports Early Revascularization
Sriram S. Iyer
12:50 pm - Challenging Questions to the Participants from the Audience

CAROTID STENTING: PROCEDURAL CONSIDERATIONS
Moderators: Issam D. Moussa, Peter A. Soukas
1:00 pm - Carotid Artery Access Techniques: Standard and Exotic
Issam D. Moussa
1:10 pm - “Top Ten” List for Avoiding Procedural Complications
Jiri J. Vitek
1:20 pm - When Complications Occur Anyway: Managing CAS Catastrophes
Fayaz Shawl
1:30 pm - Are Lead-In Phase Outcomes Predictive of Trial Results? First Presentation of ACT I Lead-In Data and Discussion of its Relevance to the Pivotal Trial
Kenneth Rosenfield

THE SECOND CAROTID DEBATE: POSITION: CAROTID STENT DESIGN IMPACTS CAS OUTCOMES
Moderator: Robert M. Bersin
1:45 pm - Concur: Acute and Late Results Are Highly Stent-Specific
Alberto Cremonesi
1:55 pm - Object: It’s Dealer’s Choice: The Results are Largely the Same
Joachim Schofer
2:05 pm - Challenging Questions to the Participants from the Audience
2:15 pm - Carotid Plaque Characterization (IVUS, VH, MSCT): Implications for CAS?
Enich Minar
2:30 pm - Embolic Protection Devices: Is the Utility Presumed or Established and Are the Devices Sufficiently Differentiated to Justify Selective Use?
Berhard Reimers
THE THIRD CAROTID DEBATE: POSITION: MOST OCTOGENARIANS SHOULD NOT UNDERGO CAS
Moderator: Frank J. Criado
2:45 PM - Concur: Octogenarians Are Best Left Alone
Mark H. Wholey
2:55 PM - Object: CAS Is Safe in the Elderly and Better than the Alternatives
Michel Henry
3:05 PM - Challenging Questions to the Participants from the Audience

CAROTID ABSTRACT SESSION
Moderators: Juan C. Parodi, Christopher K. Zarin
Discussants: Seemant Chaturvedi, R. Stefan Kiesz, Hugo F. Londero, Peter A. Soukas
3:15 PM - TCT-10: Pooled Analysis of Three Carotid Artery Stenting Trials: Major Adverse Events in Patients with Anatomic vs. Physiological Risk Factors
Barry T. Katzen et al
3:30 PM - TCT-11: The CAPTURE Registry: Timing, Distribution, Severity, and Type of Stroke Following Carotid Artery Stenting in Symptomatic and Asymptomatic Patients
William A. Gray et al
3:45 PM - TCT-12: New Distal Embolic Protection Device Using a 3-D Filter: Fibernet, First Carotid Human Study
Michel Henry et al
4:00 PM - TCT-13: Evaluation of Proficiency Using a Simulator: Results from the Assessment of Operator Performance by the Simbionix Carotid Stenting Simulator Study (ASSESS)
Giora Weisz et al
4:15 PM - TCT-14: Symposium Goals
Ajay J. Kirtane, Roxana Mehran

THE DIFFICULT PATIENT: DIAGNOSTIC AND MANAGEMENT DILEMMAS
12:00 PM - Symposia Goals
Ajay J. Kirtane, Roxana Mehran

THE DIABETIC PATIENT
Moderators: Spencer B. King III, Ajay J. Kirtane
12:05 PM - Special Lecture: Comprehensive Management of the Diabetic Patient with Coronary Artery Disease: From Medication Controversies to Revascularization Decisions
Michael E. Farkouh
12:25 PM - Are DES Safe in Diabetic Patients?
Christian M. Spaulding
12:37 PM - Case Presentation and Discussion: The Difficult Diabetic
Case Presenter: Yean-Leng Lim
Discussants: Kevin J. Beatt, Donald Cutilip, Thomas D. Stuckey
12:47 PM - Roundtable Discussion: Decision Making in the Diabetic
Panel Moderators: Spencer B. King III, Ajay J. Kirtane
Discussants: Kevin J. Beatt, Donald Cutilip, Michael E. Farkouh, Efrain Gaxiola, Christian M. Spaulding, Thomas D. Stuckey

THE PATIENT WITH CHRONIC KIDNEY DISEASE
Moderators: Jeffrey A. Brinker, Roxana Mehran
1:02 PM - The Frequently Unrecognized, But Profound Impact of Chronic Kidney Disease and Radiocontrast Nephropathy
Charles J. Davidson
1:17 PM - Strategies to Avoid Contrast-Induced Nephropathy
Carlo Briguori
1:32 PM - Coronary and Endovascular Revascularization Dilemmas in Patients with Chronic Kidney Disease
Charanjit S. Rihal
1:44 PM - Case Presentation and Discussion: A Complex Patient with Chronic Kidney Disease
Case Presenter: Giora Weisz
Discussants: Mark A. de Belder, Norman E. Lepor, James A. Tumlin
1:54 PM - Roundtable Discussion: Managing the Patient with Chronic Kidney Disease
Panel Moderators: Jeffrey A. Brinker, Roxana Mehran
Discussants: Carlo Briguori, Charles J. Davidson, Mark A. de Belder, Norman E. Lepor, Charanjit S. Rihal, James A. Tumlin

THE ELDERLY PATIENT
Moderators: James R. Margolis, Ramon Quesada
2:09 PM - Why are the Elderly Special? From Metabolic Differences to Revascularization Outcomes
Morris Mosseri
2:24 PM - How to Safely Choose and Use Antiplatelet and Antithrombin Agents in the Elderly Patient
Frederick Feit
2:39 PM - Management Considerations in the Elderly Patient with Combined Coronary and Valvular Heart Disease
James R. Margolis
2:51 PM - Case Presentation and Discussion: The Elderly Patient
Case Presenter: Eugenia Nikolsky
Discussants: Larry S. Dean, Marco A. Perin, Matthias E. Pfisterer
3:01 PM - Roundtable Discussion: New Choices for Old Patients?
Panel Moderators: James R. Margolis, Ramon Quesada
Discussants: Larry S. Dean, Frederick Feit, Morris Mosseri, Eugenia Nikolsky, Marco A. Perin, Matthias E. Pfisterer
DIFFICULT PATIENTS, DIFFICULT DECISIONS
Moderators: John McB. Hodgson, Michael E. Bertrand

VIGNETTE 1: THE PATIENT AT INCREASED RISK FOR BLEEDING
3:16 PM - The Patient at Risk for Bleeding: Identification, Prognosis, and Management Strategies
Steven V. Manoukian
3:31 PM - Case Presentation and Discussion: The Bleeding Patient
Case Presenter: David P. Lee
Discussants: Lisa K. Jennings, David F. Kong, Sunil V. Rao
3:41 PM - Roundtable Discussion: The Patient at Risk to Bleed
Panel Moderators: Michel E. Bertrand, John McB. Hodgson
Discussants: Lisa K. Jennings, David F. Kong, David P. Lee, Sunil V. Rao

VIGNETTE 2: THE NON-COMPLIANT PATIENT
3:56 PM - The Prognostic Impact of Patient Non-Compliance After Medication Prescription and Interventional Therapy
Ajay J. Kirtane
4:11 PM - Case Presentation and Discussion: The Non-Compliant Patient
Case Presenter: Varinder Singh
Discussants: Samuel M. Butman, Lloyd W. Klein, David G. Rizik
4:21 PM - Roundtable Discussion: When the Patient Is Unlikely to Listen
Panel Moderators: Michel E. Bertrand, John McB. Hodgson
Discussants: Samuel M. Butman, Lloyd W. Klein, David G. Rizik, Varinder Singh

VIGNETTE 3: THE PATIENT UNDERGOING NON-CARDIAC SURGERY
4:36 PM - The Patient Undergoing Non-Cardiac Surgery: Who Should Be Screened for Coronary Artery Disease? Who Does Revascularization Benefit?
Geoge D. Dangas
4:51 PM - Case Presentation and Discussion: The Patient Requiring Non-Cardiac Surgery
Case Presenter: David G. Rizik
Discussants: William E. Boden, J. Brent Muhlestein, Henry H. Ting
5:01 PM - Roundtable Discussion: Screening for Coronary Artery Disease
Panel Moderators: Michel E. Bertrand, John McB. Hodgson
Discussants: William E. Boden, J. Brent Muhlestein, David G. Rizik, Henry H. Ting

VIGNETTE 4: THE PATIENT WITH HIGH-RISK CORONARY ANATOMY WHO REFUSES CARDIAC SURGERY
5:16 PM - How Safe Is Angioplasty and How Effective Are Stents Really in Patients with High-Risk Features and Complex Coronary Anatomy?
Ioannis Iakovou
5:31 PM - Case Presentation and Discussion: The Patient Who Refuses Appropriate Cardiac Surgery
Case Presenter: H. Vernon Anderson
Discussants: Kenneth Chin, Jacques J. Koolen, Jeffrey W. Moses
5:41 PM - Roundtable Discussion: When to Accept and Turn Down a Complex, High-Risk Patient
Panel Moderators: Michel E. Bertrand, John McB. Hodgson
Discussants: Kenneth Chin, Ioannis Iakovou, Jacques J. Koolen, Jeffrey W. Moses, Bernhard Witzenbichler
5:55 PM - Adjourn

THE DRUG-ELUTING STENT SUMMIT, PART 1
12:00 PM-6:00 PM
Ballroom C, Level 3

INTRODUCTION AND OVERVIEW
Moderators: Martin B. Leon, Gregg W. Stone
12:00 PM - The Changing Landscape of DES: Clinical Use Patterns, Technology Trends, and Regulatory Challenges
Martin B. Leon
12:15 PM - The Updated CRF Evidence-Based Medicine Guidelines for DES Use
Gregg W. Stone

DES CONTROVERSIES I: PERSPECTIVES ON THE RISKS VS. BENEFITS OF DRUG-ELUTING STENTS
Moderators: Antonio Colombo, Jeffrey W. Moses
12:30 PM - DES Impact on Practice Patterns and Clinical Outcomes: Results from the Medicare Database Before and After DES Approval in the US
David J. Cohen

HAVE DRUG-ELUTING STENTS LOST FAVOR? DO THE POTENTIAL RISKS OUTWEIGHT THE CLEAR BENEFITS? EUROPEAN VIEWPOINTS MINI-DEBATE
12:45 PM - Pro: More BMS!
Jean Fajadet
12:55 PM - Con: More DES!
Antonio Colombo
1:05 PM - Rebuttal Discussion
Discussants: Antonio Colombo, Jean Fajadet

HAVE DRUG-ELUTING STENTS LOST FAVOR? DO THE POTENTIAL RISKS OUTWEIGHT THE CLEAR BENEFITS?
UNITED STATES VIEWPOINTS MINI-DEBATE
1:10 PM - Pro: More BMS!
Ron Waksman
1:20 PM - Con: More DES!
Jeffrey W. Moses
1:30 PM - Rebuttal Discussion
Discussants: Ron Waksman, Jeffrey W. Moses
1:35 PM - Does PCI Reduce Mortality? A Meta-Analysis of 18 Studies Comparing PCI (Bare Metal and Drug-Eluting Stents) vs. Medical Therapy
Adnan Kastrati
1:50 PM - FDA Perspectives and Concerns; DES Panel Consensus Findings, Guidance Documents, and a Changing Regulatory Milieu
Andrew Farb
2:05 PM - Reactions from Industry Leaders: Why the Pendulum Has Swung Too Far Away from DES!
Donald S. Baim
2:13 PM - Reactions from Industry Leaders: Why the Pendulum Has Swung Too Far Away from DES!
Campbell Rogers
2:21 PM - Moderated Discussion and Q&A
Panel Moderator: Antonio Colombo, Jeffrey W. Moses
Discussants: Donald S. Baim, Jean Fajadet, Andrew Farb, Adnan Kastrati, Ron Waksman, Campbell Rogers

DES CONTROVERSIES II: INCORPORATING EVIDENCE-BASED MEDICINE INTO STENT SELECTION DECISION-MAKING
Moderators: Mitchell W. Krucoff, Stuart J. Pocock

HOW VALUABLE ARE DIFFERENT DES DATASETS?
2:35 PM - Large Continuous “Real World” Registries Are Necessary for Inter-Device Comparisons
Ul Stensestrand
2:43 PM - Meta-Analyses of Published DES Clinical Trials Are the Best Available Data
Peter Juni
2:51 PM - Meta-Analyses of DES: Studies Are Over-Rated and Misleading; Large Scale Randomized Trials Are Required
Sigmund Silber

META OR POOLED ANALYSES OF DES RANDOMIZED CLINICAL TRIALS
Moderators: Mitchell W. Krucoff, Stuart J. Pocock

2:59 PM - On-Label Cypher and TAXUS Randomized Trials with 5-Year Follow-Up
Ajay J. Kirtane

3:11 PM - A Collaborative Network Meta-Analysis of All Published DES Randomized Clinical Trials
Stephan Windecker

3:23 PM - Moderated Discussion and Q&A
Panel Moderators: Mitchell W. Krucoff, Stuart J. Pocock
Discussants: Peter Juni, Sigmund Silber, Ulf Stenestrand, Stephan Windecker

UPDATES AND LATE FOLLOW-UP FROM REAL-WORLD DES REGISTRIES
Moderators: Laura Mauri, Stephan Windecker

3:37 PM - Prairie Heart Institute Real-World DES Experience: 3-Year Follow-Up
Greg Mishkel

3:45 PM - The Wake Forrest DES vs. BMS Experience in High-Risk Patients: 2-Year Follow-Up
Robert J. Applegate

3:53 PM - MATRIX: CRF “All Comers” Cypher Registry: 2-Year Follow-Up
George D. Dangas

4:01 PM - ESTROFA: Late Follow-Up from a Large Multicenter National DES Registry
Jose M. de la Torre

4:09 PM - Late Clinical Follow-Up from the ARTS-II Cypher Registry in Multivessel Disease: Emphasis on Late Stent Thrombosis
Patrick W. Serruys

4:17 PM - The J-Cypher Multicenter Real-World Registry: 2-Year Follow-Up
Takeshi Kimura

4:25 PM - Updates and Insights from the SCARR Multicenter National DES and BMS Registry
Ulf Stenestrand

4:33 PM - Clinical Outcomes (15 months) After DES and BMS from the Western Denmark Multicenter National Registry
Lisaotte Okkels Jensen

4:41 PM - Results at 2 to 3 Years with DES vs. BMS in the Multicenter Italian REAL Registry
Francesco Saia

4:49 PM – Three-Year Follow-Up from the Bern-Rotterdam DES Experience
Joost Daemen

4:57 PM – Off-Label and Untested DES Use in the Multicenter DEScover Registry
David O. Williams

5:05 PM – Clinical Outcomes After On- vs. Off-Label DES Use in the Multicenter EVENT Registry
Neal S. Kleiman

5:13 PM – Mortality After PCI with BMS and DES from the Thoraxcentre Database
Patrick W. Serruys

5:21 PM – The DESIRE Single Center São Paulo DES Registry with Late (Mean 4-Year) Follow-Up
Amanda G. M. R. Sousa

5:38 PM – Moderated Discussion and Q&A
Panel Moderators: Laura Mauri, Stephan Windecker

6:00 PM – Adjourn

TOUGH CALLS IN THE CATH LAB: ADVANCED HEMODYNAMICS AND ANGIOGRAPHY
12:00 PM-6:00 PM
Room 201

TOUGH CALLS IN HEMODYNAMIC INTERPRETATION: CASE-BASED REVIEWS
Moderators: William E. Hellenbrand, John W. Hirshfeld, Jr

12:00 PM - Introduction: The Most Common Mistakes in the Cath Lab, Again and Again
Zoltan G. Turi

12:15 PM - Hemodynamic and Ventriculographic Assessment of Hypertrophic Obstructive Cardiomyopathy
Charanjit S. Rihal

12:30 PM – Q&A

12:33 PM - Differentiating Constriction from Restriction: It’s Easier Than You Think
Morton J. Kern

12:48 PM – Q&A

12:51 PM – Optimizing Hemodynamic Interpretation: Recognizing and Minimizing Drift, Bubbles, Artifacts, and More
John W. Hirshfeld, Jr

1:06 PM – Q&A

1:09 PM – Pericardial Effusions and Cardiac Tamponade: How to Recognize and When to Act
James A. Goldstein

1:24 PM – Q&A

1:27 PM – Hemodynamic Assessment of Aortic Stenosis (and Aortic Valvuloplasty) and Three Ways to Be Fooled (Case Presentations)
Wesley R. Pedersen

1:42 PM – Q&A

1:45 PM – Hemodynamic Assessment of Mitral Stenosis (and Mitral Valvuloplasty) and Three Ways to Be Fooled (Case Presentations)
igor F. Pacalos

2:00 PM – Q&A

2:03 PM – Hemodynamic Assessment of Aortic Insufficiency and Three Ways to Be Fooled (Case Presentations)
Samir R. Kapadia

2:18 PM – Q&A

2:21 PM – Hemodynamic Assessment of Mitral Regurgitation and Three Ways to Be Fooled (Case Presentations)
Ted Feldman

2:36 PM – Q&A

2:39 PM – Essentials of Adult Congenital Heart Disease Hemodynamics: Now I’m Really Confused!
Robert J. Sommer

2:54 PM – Q&A

2:57 PM – Three Hemodynamic Conundrums: Stump the Experts (and the Audience)
Panel Moderators: William E. Hellenbrand, John W. Hirshfeld, Jr
Case Presenter: Charanjit S Rihal
Discussants: Ted Feldman, James A. Goldstein, Samir R. Kapadia

TOUGH CALLS IN ANGIOGRAPHIC INTERPRETATION: CASE-BASED REVIEWS
Moderators: Alexandre J. Lansky, Jeffrey J. Popma

3:12 PM – Optimizing Angiography to Minimize Angiographic Errors
Charles E. Chambers

3:27 PM – Q&A
VASCULAR ACCESS AND INTERVENTION: FROM FEMORAL ACCESS TO CLOSURE DEVICES TO TRANSRADIAL INTERVENTIONS
12:00 pm-7:00 pm
Room 202B

ARTERIAL ACCESS AND COMPLICATIONS
Moderators: Robert J. Applegate, Ferdinand Kiemeneij
KICKOFF DEBATE: THE DEBATE SHOULD BE OVER: RADIAL ARTERY ACCESS IS SAFER AND SHOULD BE THE PREFERRED ACCESS ROUTE!
12:00 pm - I Concur: Radial Is the Only Way to Go and Here’s Why! Ferdinand Kiemeneij
12:12 pm - Dream On: Femoral Access Will Always Dominate! Harold L. Dauerman
12:24 pm - Radial Artery Access Complications: Prevention and Management Ian C. Gilchrist
12:54 pm - Femoral Artery Access Site Complications I: Prevention and Recognition Zoltan G. Turi
1:09 pm - Femoral Artery Access Site Complications II: Endovascular Strategies for Diagnosis and Salvage Stephen R. Ramee
1:24 pm - Moderated Discussion and Q&A
Panel Moderators: Robert J. Applegate, Ferdinand Kiemeneij
Discussants: Harold L. Dauerman, Ian C. Gilchrist, Stephen R. Ramee

VASCULAR CLOSURE DEVICES
Moderators: Harold L. Dauerman, Timothy A. Sanborn
1:39 pm - Are Closure Devices Cost-Effective After Diagnostic Angiography and Intervention? Frederic S. Resnic
1:51 pm - Matching the Right Closure Device to the Right Patient Alan W. Heldman
2:03 pm - Complications of Closure Devices: Frequency, Recognition, and Treatment Timothy A. Sanborn

2:38 pm - TCT-15: Relationship Between the Use of Vascular Closure Devices and Development of Retroperitoneal Hemorrhage Following Percutaneous Coronary Intervention Frederic S. Resnic et al
2:53 pm - Emerging Devices: The Boomerang: Advantages, Technique, Complications, and Data David E. Allie
3:05 pm - Emerging Devices: Clips (Starclose and Angioline): Advantages, Technique, Complications, and Data James B. Hermiller
3:20 pm - Emerging Devices: The Access Closure MYNX Device: Advantages, Technique, Complications, and Data Mark A. Turco
3:32 pm - Perspectives on Extravascular Sealing Devices and First Report of the Exoseal ECLIPSE Trial S. Chiu Wong
3:47 pm - TCT-16: Extravascular Closure for Patients with High-Risk Femoral Anatomy Mitchell N. Rashid et al
4:02 pm - Moderated Discussion and Q&A
Panel Moderators: Harold L. Dauerman, Timothy A. Sanborn
Discussants: David E. Allie, David J. Cohen, James B. Hermiller, Jr, Alan W. Heldman, Mark A. Turco, S. Chiu Wong

TRANSRADIAL ANGIOGRAPHY AND INTERVENTION: ADVANCED CONSIDERATIONS
Moderators: Martial Hamon, Ferdinand Kiemeneij
4:17 pm - Tricks and Technical Considerations for Complex Coronary Intervention Using Transradial Access Martial Hamon
4:32 pm - Anticoagulation Considerations in Patients Undergoing Transradial Intervention Giora Weisz
4:44 pm - The Transradial Approach to Chronic Total Occlusions Shigeru Saito
4:56 pm - The Transradial Approach to Acute Myocardial Infarction Gerald Barbeau
12:30 pm - Vulnerable Plaque as a Systemic Disease: Role of Inflammation in Atherosclerosis Development, Progression, and Plaque Rupture
Attilio Maseri

12:45 pm - Has the Role of Inflammation in Vulnerable Plaque Been Over-Emphasized? Insights from Pathologic and Clinical Studies
Erling Falk

12:57 pm - Is Vulnerable Plaque a Systemic or Focal Disease? Observations from Cross-Sectional and Longitudinal Coronary Preparations, and Perspectives on Temporal Stability
James E. Muller

1:12 pm - Vulnerable Blood: Hematologic Risk Factors and Measurable Risk
Juan J. Badimon

1:27 pm - Serum Biomarkers of Plaque Vulnerability, Progression, and Rupture: Classification, Predictive Value, and Practical Recommendations
Michael E. Farkouh

1:42 pm - LP-PLA2 as a Diagnostic Tool and Therapeutic Target
Andrew Zalewski

1:54 pm - Featured Lecture: Systemic Therapeutics: Lessons Learned from LDL Lowering and HDL Raising
Prediman K. Shah

2:09 pm - TCT-18: Coronary Plaque Burden: Is Related to Serum HDL-C Levels, but not to Other Lipid Parameters: Volumetric Intravascular Ultrasound Analysis
Eduardo Missel et al

2:24 pm - Moderated Discussion and Q&A
Panel Moderators: Erling Falk, Prediman K. Shah
Discussants: Juan J. Badimon, Amir Lerman, Attilio Maseri, James E. Muller, Michael E. Farkouh, Renu Virmani, Andrew Zalewski

3:11 pm - Utility of MRA With and Without Target-Specific Molecular Imaging to Screen for Vulnerable Plaque: Current Realities and Future Promise
Zahi A. Fayad

3:26 pm - Featured Lecture: PET-Angiography, PET-CT, and Novel Radionuclide-Based Molecular Imaging Techniques for the Detection of Subclinical Atherosclerosis and Vulnerable Plaque
Tillman Cyrus

3:46 pm - Special Lecture: Nanoparticles for Molecular Imaging and Targeted Therapeutics: Application to Vulnerable Plaque Detection and Treatment
Samuel A. Wickline

4:01 pm - Multimodality Noninvasive Imaging and Biomarker Assessment: The High-Risk Plaque Project
Pedro R. Moreno

4:16 pm - Screen for Systemic Atherosclerosis, Not Vulnerable Plaque: Rationale for the SHAPE Initiative, and Future Clinical Investigations
Morteza Naghavi

Craig Gardner et al

4:43 pm - Moderated Discussion and Q&A
Panel Moderators: Pedro R. Moreno, Samuel A. Wickline
Discussants: Tillman Cyrus, Zahi A. Fayad, Morteza Naghavi, Robert S. Schwartz

5:05 pm - Adjourn
BREAKFAST MEETINGS
7:00 AM - 8:00 AM
Refer to pages 98-99 for complete program schedule.

SPECIAL BREAKFAST SESSION
HIGH-RISK ANGIOPLASTY AND CARDIOGENIC SHOCK: CASE REVIEWS FROM THE WINNERS OF THE INTRA-AORTIC BALLOON PUMP COMPETITION
7:00 AM - 8:00 AM
Room 143A
Moderator: George D. Dangas
Discussants: Alan W. Heldman, Fayaz Shawl, Carl L. Tommaso
7:00 AM - Case #1
Aun-Yeong Chong
7:15 AM - Q&A
7:20 AM - Case #2
Manish Prakash Gupta
7:35 AM - Q&A
7:40 AM - Case #3
Annie F. Kelly
7:55 AM - Q&A
8:00 AM - Adjourn

SCIENTIFIC SYMPOSIA AND PRACTICAL WORKSHOPS
PERCUTANEOUS INTERVENTION FOR THE SURGEON, PART 2
8:00 AM - 4:45 PM
Room 207AB

ENDOVASCULAR INTERVENTION
Moderator: John R. Laird, Jr
8:00 AM - Carotid Intervention: Indications, Technique and Devices (Emphasizing Differences from Coronary Intervention), Complications, and Acute and Late Outcomes
Robert M. Bersin
8:15 AM - Peripheral Vascular Intervention (Aorto-Iliac, SFA, and Renal): Indications, Technique and Devices (Emphasizing Differences from Coronary Intervention), Complications, and Acute and Late Outcomes
John R. Laird, Jr
8:35 AM - Adult Congenital Heart Disease: Percutaneous Closure of ASD and PFO (Indications, Devices, Transseptal Techniques, Guidance, Results, and Complications)
Peter C. Block
9:00 AM - Moderated Discussion and Q&A
Panel Moderator: John R. Laird, Jr
Discussants: Robert M. Bersin, Peter C. Block

AORTIC ENDOGRAFTING
Moderators: Eric E. Roselli, Grayson H. Wheatley
9:55 AM - Non-Invasive Imaging with CT and MR for Aortic Endograft Procedural Planning and Surveillance
Eric E. Roselli
10:10 AM - Abdominal Aortic Endografting I: Indications, Devices, Results, Complications, and Comparison with Surgery
Christopher K. Zaring
10:25 AM - Abdominal Aortic Endografting II: Video Case Review of the Basic Procedure
Michael D. Dake
10:40 AM - Thoracic Aortic Endografting I: Indications, Devices, Results, Complications, and Comparison with Surgery
Eric E. Roselli
11:00 AM - Thoracic Aortic Endografting II: Video Case Review of the Basic Procedure
Grayson H. Wheatley
11:20 AM - Large Caliber Sheath Access: Screening, Closure Options, and Complications
Grayson H. Wheatley
11:30 AM - Managing Endoleaks
Wilson Y. Szeto
11:40 AM - Moderated Discussion and Q&A
Panel Moderators: Eric E. Roselli, Grayson H. Wheatley
Discussants: Wilson Y. Szeto, Christopher K. Zaring

11:50 AM - Panel Discussion and Case Demonstration: My Worst Complication, How to Salvage or Avoid Misadventure
Case Presenters: Eric E. Roselli, Wilson Y. Szeto, Grayson H. Wheatley
12:10 PM - Lunch and Practicum III: Simulator Station and Device Tables: Valves and Endografting
Introduction to Transcatheter Valve Therapy
Moderators: Francesco Maisano, Craig R. Smith
1:15 PM - Aortic and Mitral Balloon Valvuloplasty: Indications, Basic Technique, and Results
Igor F. Palacios
1:35 PM - Percutaneous Aortic Valve Replacement: Devices, Procedures, Results, and Complications
Mathew Williams
2:00 PM - Transapical Aortic Valve Replacement
Todd M. Dewey
2:15 PM - Percutaneous Mitral Valve Therapies: Systems Overview, Interventional Skills, and Results
Francesco Maisano
2:40 PM - Which Patients are Appropriate for Transcatheter Valve Therapy: Present and Future?
Craig R. Smith
2:55 PM - Case Demonstration: Transcatheter Valve Procedures Step-by-Step
Case Presenters: Francesco Maisano, Mathew Williams
3:20 PM - Moderated Discussion and Q&A
Moderators: Francesco Maisano, Craig R. Smith
Discussants: Todd M. Dewey, Igor F. Palacios, Mathew Williams
3:30 PM - Practicum IV: Simulator Station and Device Table: Valves and Endografting
4:30 PM - Closing Remarks
Mathew Williams
4:45 PM - Adjourn
INTERVENTIONAL CARDIOLOGY DEVICES AND OUTCOMES
Moderators: George D. Dangas, John J. Young
8:00 AM - Percutaneous Coronary Intervention: Basic Techniques
Manish A. Parikh
8:20 AM - Q&A
8:30 AM - Directional Atherectomy, Rotational Atherectomy, Laser and Cutting Balloon Angioplasty
John J. Young
9:00 AM - Q&A
9:10 AM - Drug-Eluting Stent Design
Alexandre Abizaid
9:35 AM - Q&A
9:45 AM - Clinical Studies with FDA-Approved Drug-Eluting Stents
George D. Dangas
10:30 AM - Q&A
10:45 AM - Break
11:10 AM - Restenosis and Thrombosis of Bare Metal and Drug-Eluting Stents
Roxana Mehran
12:00 PM - Q&A
12:15 PM - Thrombectomy and Distal Protection During Native Coronary Artery and Saphenous Vein Graft Intervention
Shefali Goel
12:50 PM - Q&A
1:00 PM - Break

HIGH-RISK PATIENTS AND COMPLICATIONS
Moderators: Sheldon Goldberg, Ajay J. Kirtane
2:00 PM - Patient- and Lesion-Specific PCI Considerations
Alexandra J. Lansky
2:30 PM - Q&A
2:45 PM - Left Main and Bifurcations
Shekhar Kodali
3:20 PM - Q&A
3:30 PM - Break

4:00 PM - Chronic Total Occlusion Intervention: Techniques and Complications
Reginald J. Low
4:20 PM - Q&A
4:30 PM - Small Vessels, Tortuosity and Diffuse Disease
Issam D. Moussa
5:00 PM - Q&A
5:15 PM - Interventional Close Encounters: Bare Metal and Drug-Eluting Stents
Paul S. Teirstein
6:00 PM - Adjourn

CARDIOVASCULAR NON-INVASIVE IMAGING: CTA, MRI, AND BEYOND (WITH READING SESSIONS WITH THE EXPERTS), PART 2
8:00 AM-6:25 PM
Room 151A

THE BEST CT AND MR ABSTRACTS
Moderators: Daniel S. Berman, Michael Poon Discussants: Raymond Y. Kwong, W. Guy Weigold
8:00 AM - TCT-30: Association of Severity of Aortic Valve Calcification to Segmental Coronary Artery Disease as Depicted by Number of Significantly Diseased Vessels Using 64 Slice Cardiac CT Angiography
Shah A. Azim
8:15 AM - TCT-31: Resonant Balloon Expandable Stent Designed for the Improved Visualization and Implantation in MRI
Erwin Immel
8:30 AM - TCT-32: Identification of Culprit Vessel in Acute Coronary Syndrome by Cardiac Magnetic Resonance
Chiara Lanzillo
8:45 AM - TCT-33: Performance Evaluation of flat-Panel and 64 Detector Row CT for Characterization of Vulnerable Plaque
L. Maximilian Buja

CARDIAC MRI DIDACTIC SESSIONS
Moderator: Steven D. Wolff
9:00 AM - Quantification of Ventricular Size and Function
Christopher M. Kramer
9:20 AM - Myocardial Perfusion
Raymond Y. Kwong
9:40 AM - Myocardial Viability and Scar Imaging
Steven D. Wolff

10:00 AM - Valvular Disease and Flow
Steven D. Wolff
11:00 AM - Coronary MRI
James C. Carr

MR WORKSTATION DEMOS:
HOW TO INTERPRET . . .
Moderators: Raymond Y. Kwong, John R. Lesser
11:15 AM - Myocardial Perfusion
Raymond Y. Kwong
11:35 AM - Coronary MRI
Michael McConnell
11:55 AM - Viability and Scar Imaging
Christopher M. Kramer
12:15 PM - Valvular Disease and Flow
Edward T. Martin
12:35 PM - Break

THE LATEST ADVANCES IN CARDIOVASCULAR MRI
Moderators: Christopher M. Kramer, Steven D. Wolff
1:30 PM - MRI Guided Vascular Intervention
Robert J. Lederman
1:42 PM - Coronary Imaging: State of the Art
Michael McConnell
1:57 PM - Quantification of Myocardial Iron Overload with MRI
John C. Wood
2:09 PM - Predicting Arrhythmias and Prognosis from Contrast-Enhanced MRI
Katherine C. Wu
2:21 PM - Is MRI Safe for Patients with Defibrillators and Pacemakers?
Edward T. Martin
2:33 PM - MRI Characterization of Carotid Plaque
Kevin DeMarco
2:48 PM - Q&A

CONTROVERSIES IN CARDIAC NONINVASIVE IMAGING
Moderators: Michael Poon, Steven D. Wolff
3:03 PM - Special Lecture: Estimating the Cancer Risk from MSCT Imaging
Andrew J. Einstein
3:15 PM - Clinical Perspective: How Serious Is the Radiation Risk from CT Imaging?
Stephen Baller

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INTERVENTIONAL STRATEGIES AND ADJUNCT PHARMACOLOGY IN ACS AND AMI, PART 2
8:00 AM-6:25 PM
Room 151B

STEMI I: CHOICE OF REPERFUSION MODALITY: IS TIME THE PREDOMINANT VARIABLE?
Moderators: LeRoy E. Rabbani, Mark A. Turco
8:00 AM - Primary PCI vs. Thrombolysis: Rationale for Evolving Guideline Recommendations
Eric R. Bates
8:10 AM - Primary PCI vs. Thrombolysis: The RIKS-HIA Experience (Emphasis on the Importance of Time)
Ulf Stenestrand
8:20 AM - Impact of Symptom-to-Balloon and Door-to-Balloon Times on Death, Reinfarction, and Stroke After Primary PCI Compared to Thrombolytic Therapy: Lessons from the PCAT Randomized Trials
Cindy L. Grines
8:30 AM - Does Time to Reperfusion Impact All Patients Equally? New Insights from CADILLAC and Moses Cone
Bruce R. Brodie
8:40 AM - Insights from NRMI on the Importance of Time and Patient-Related Factors on Selection of Reperfusion Modality
Duane S. Pinto
8:50 AM - Moderated Discussion and Q&A
Discussants: Eric R. Bates, Bruce R. Brodie, Cindy L. Grines, Duane S. Pinto

STEMI II: SPECIAL SESSION: FACILITATION, RESCUE, AND TRANSFER ISSUES
Moderators: Alice K. Jacobs, William W. O’Neill
9:05 AM - Risks and Benefits of Facilitated PCI: Insights from Meta-Analysis and Individual Studies
Kevin J. Beatt
9:15 AM - FINESSE 1: New Insights from a Trial Comparing Primary Angioplasty vs. GP IIb/IIIa Inhibitor Facilitated Angioplasty With or Without Reduced Dose Thrombolytic Therapy
Stephen G. Ellis
9:25 AM - FINESSE 2: First Report of the Unfractionated vs. Low Molecular Weight Heparin Substudy
Stephen G. Ellis
9:35 AM - Does Early Glycoprotein IIb/IIIa Inhibitor Administration Reduce Mortality After Primary PCI? First Report of the EGYPT Cooperative Study
Giuseppe De Luca
9:45 AM - CARESS: Results of Urgent vs. Elective Transfer for PCI after Thrombolytic Therapy
Dariusz Dudek
9:55 AM - Risks and Benefits of Rescue and Immediate Routine PCI in the Stent and Balloon Eras: Insights from Meta-Analysis and Individual Studies
Anthony H. Gershlick
10:07 AM - Transfer Strategies for Primary PCI: Long-Term Results of DANAMI-2
Henning Rud Andersen
10:15 AM - Rationale and Results of a System-Wide Facilitated Transport PCI Strategy (In the Setting of Numerous Negative Randomized Trials)
Timothy D. Henry
10:25 AM - The Multicenter GLASTO Registry: Improved Outcomes with Facilitation Before Angioplasty
Ali E. Denktas
10:35 AM - Moderated Discussion and Q&A
Panel Moderators: Alice K. Jacobs, William W. O’Neill
Discussants: Henning Rud Andersen, Kevin J. Beatt, Giuseppe De Luca, Ali E. Denktas, Dariusz Dudek, Anthony H. Gershlick, Timothy D. Henry

STEMI III: SPECIAL SESSION: THE ACC D2B INITIATIVE
Moderators: Harlan Krumholz, Henry H. Ting
10:50 AM - D2B Briefing: Rationale, Description, and Status of the D2B Project
Harlan Krumholz
11:00 AM - Improving Door-to-Balloon Times: The Mayo Clinic Experience
Henry H. Ting
11:10 AM - Measuring Door-to-Balloon Time: The CMS Perspective and Implications for Public Reporting and Pay for Performance
Frederick A. Masoudi
11:20 AM - Delays in the Cath Lab: Where Do They Occur and How Can They Be Reduced?
Jeptha P. Curtis

HOW IMPORTANT IS RADIOLOGY OVER-READING OF CARDIAC CTA?
3:25 PM - Not Important at All!
Robert S. Schwartz
3:35 PM - Very Important!
Jeffrey C. Hellinger

EVALUATION OF CARDIOMYOPATHY: CTA OR CMR?
3:45 PM - CTA Rules!
Michael Poon
3:55 PM - CMR Dominates!
Steven D. Wolff

WHAT IS THE BEST TEST TO EVALUATE ACUTE CORONARY SYNDROMES?
4:05 PM - MRI!!
Raymond Y. Kwong
4:15 PM - CTA!
Michael Poon

WHAT IS THE BEST TEST TO COMPLEMENT CARDIAC CTA?
4:25 PM - MRI!!
Steven D. Wolff
4:35 PM - Nuclear Imaging!
Daniel S. Berman

WHAT IS THE BEST TEST FOR CHARACTERIZING PLAQUE?
4:45 PM - MRI!!
Chun Yuan
4:55 PM - CTA!
Stephan Achenbach

CLINICAL CASE EXAMPLES: READ MRI WITH THE EXPERTS
Moderator: Michael McConnell
5:05 PM - Three Patients with Heart Failure
John R. Lesser
5:25 PM - Three Patients with Chest Pain
Raymond Y. Kwong
5:45 PM - Three Patients with TIA/Stroke
Christopher M. Kramer
6:05 PM - Three Patients with Cardiac Arrhythmia
Michael McConnell
6:25 PM - Adjourn

INTERVENTIONAL STRATEGIES AND ADJUNCT PHARMACOLOGY IN ACS AND AMI, PART 2
8:00 AM-6:25 PM
Room 151B

STEMI I: CHOICE OF REPERFUSION MODALITY: IS TIME THE PREDOMINANT VARIABLE?
Moderators: LeRoy E. Rabbani, Mark A. Turco
8:00 AM - Primary PCI vs. Thrombolysis: Rationale for Evolving Guideline Recommendations
Eric R. Bates
8:10 AM - Primary PCI vs. Thrombolysis: The RIKS-HIA Experience (Emphasis on the Importance of Time)
Ulf Stenestrand
8:20 AM - Impact of Symptom-to-Balloon and Door-to-Balloon Times on Death, Reinfarction, and Stroke After Primary PCI Compared to Thrombolytic Therapy: Lessons from the PCAT Randomized Trials
Cindy L. Grines
8:30 AM - Does Time to Reperfusion Impact All Patients Equally? New Insights from CADILLAC and Moses Cone
Bruce R. Brodie
8:40 AM - Insights from NRMI on the Importance of Time and Patient-Related Factors on Selection of Reperfusion Modality
Duane S. Pinto
8:50 AM - Moderated Discussion and Q&A
Discussants: Eric R. Bates, Bruce R. Brodie, Cindy L. Grines, Duane S. Pinto
Ulf Stenestrand

STEMI II: SPECIAL SESSION: FACILITATION, RESCUE, AND TRANSFER ISSUES
Moderators: Alice K. Jacobs, William W. O’Neill
9:05 AM - Risks and Benefits of Facilitated PCI: Insights from Meta-Analysis and Individual Studies
Kevin J. Beatt
9:15 AM - FINESSE 1: New Insights from a Trial Comparing Primary Angioplasty vs. GP IIb/IIIa Inhibitor Facilitated Angioplasty With or Without Reduced Dose Thrombolytic Therapy
Stephen G. Ellis
9:25 AM - FINESSE 2: First Report of the Unfractionated vs. Low Molecular Weight Heparin Substudy
Stephen G. Ellis
9:35 AM - Does Early Glycoprotein IIb/IIIa Inhibitor Administration Reduce Mortality After Primary PCI? First Report of the EGYPT Cooperative Study
Giuseppe De Luca
9:45 AM - CARESS: Results of Urgent vs. Elective Transfer for PCI after Thrombolytic Therapy
Dariusz Dudek
9:55 AM - Risks and Benefits of Rescue and Immediate Routine PCI in the Stent and Balloon Eras: Insights from Meta-Analysis and Individual Studies
Anthony H. Gershlick
10:07 AM - Transfer Strategies for Primary PCI: Long-Term Results of DANAMI-2
Henning Rud Andersen
10:15 AM - Rationale and Results of a System-Wide Facilitated Transport PCI Strategy (In the Setting of Numerous Negative Randomized Trials)
Timothy D. Henry
10:25 AM - The Multicenter GLASTO Registry: Improved Outcomes with Facilitation Before Angioplasty
Ali E. Denktas
10:35 AM - Moderated Discussion and Q&A
Panel Moderators: Alice K. Jacobs, William W. O’Neill
Discussants: Henning Rud Andersen, Kevin J. Beatt, Giuseppe De Luca, Ali E. Denktas, Dariusz Dudek, Anthony H. Gershlick, Timothy D. Henry

STEMI III: SPECIAL SESSION: THE ACC D2B INITIATIVE
Moderators: Harlan Krumholz, Henry H. Ting
10:50 AM - D2B Briefing: Rationale, Description, and Status of the D2B Project
Harlan Krumholz
11:00 AM - Improving Door-to-Balloon Times: The Mayo Clinic Experience
Henry H. Ting
11:10 AM - Measuring Door-to-Balloon Time: The CMS Perspective and Implications for Public Reporting and Pay for Performance
Frederick A. Masoudi
11:20 AM - Delays in the Cath Lab: Where Do They Occur and How Can They Be Reduced?
Jeptha P. Curtis

HOW IMPORTANT IS RADIOLOGY OVER-READING OF CARDIAC CTA?
3:25 PM - Not Important at All!
Robert S. Schwartz
3:35 PM - Very Important!
Jeffrey C. Hellinger

EVALUATION OF CARDIOMYOPATHY: CTA OR CMR?
3:45 PM - CTA Rules!
Michael Poon
3:55 PM - CMR Dominates!
Steven D. Wolff

WHAT IS THE BEST TEST TO EVALUATE ACUTE CORONARY SYNDROMES?
4:05 PM - MRI!!
Raymond Y. Kwong
4:15 PM - CTA!
Michael Poon

WHAT IS THE BEST TEST TO COMPLEMENT CARDIAC CTA?
4:25 PM - MRI!!
Steven D. Wolff
4:35 PM - Nuclear Imaging!
Daniel S. Berman

WHAT IS THE BEST TEST FOR CHARACTERIZING PLAQUE?
4:45 PM - MRI!!
Chun Yuan
4:55 PM - CTA!
Stephan Achenbach

CLINICAL CASE EXAMPLES: READ MRI WITH THE EXPERTS
Moderator: Michael McConnell
5:05 PM - Three Patients with Heart Failure
John R. Lesser
5:25 PM - Three Patients with Chest Pain
Raymond Y. Kwong
5:45 PM - Three Patients with TIA/Stroke
Christopher M. Kramer
6:05 PM - Three Patients with Cardiac Arrhythmia
Michael McConnell
6:25 PM - Adjourn
11:30 AM - Moderated Discussion and Q&A
Panel Moderators: Harlan Krumholz, Henry H. Ting
Discussants: Jeptha P. Curtis, Frederick A. Masoud

STEMI IV: THE SYSTEMS APPROACH TO REDUCING DOOR TO BALLOON TIMES: NEW INITIATIVES AND CASE STUDIES
Moderators: William J. French, Thomas D. Stuckey
11:45 AM - Are Door-to-Balloon and Symptom-to-Balloon Times (and Resulting Mortality) Decreasing in Transfer and Non-Transfer Patients? Insights from the NRMI Registries
William J. French
11:55 AM - Strategies to Improve Door-to-Balloon Times and Their Impact on Patient Outcomes
Umesh Khot
12:05 PM - Triage to Dedicated PCI Hospitals Based on Pre-Hospital 12-Lead ECG Diagnosis: The Boston EMS Experience
Kenneth Rosenfield
12:15 PM - Prospective Study of Standardizing Treatment of STEMI by PCI in a Large German City
Raimund A. Erbel
12:25 PM - Bypassing the ER to Reduce Door-to-Balloon Time: The Israeli Experience
Uri Rosenschein
12:35 PM - Update on MISSION: LIFELINE, the AHA STEMI Initiative
Alice K. Jacobs
12:45 PM - The Reperfusion of Acute Myocardial Infarction in Carolina Emergency Departments (RACE) Project to Increase the Rate and Speed of Coronary Reperfusion: B. Hadley Wilson
12:55 PM - TCT-3: ST-Segment Analysis Using Wireless Technology in Acute Myocardial Infarction (STAT-MI) Trial
James Maher et al
1:05 PM - Moderated Discussion and Q&A
Panel Moderators: William J. French, Thomas D. Stuckey

STEMI V: DRUG-ELUTING STENTS IN ACUTE MYOCARDIAL INFARCTION
Moderators: Roxana Mehran, Christian M. Spaulding
1:20 PM - Safety and Efficacy of DES in AMI: Perspectives from the Randomized Trials and Registries and HORIZONS Update
Gregg W. Stone
1:30 PM - Long-Term Outcomes of DES in AMI: STRATEGY (3-year)
Marco Valgimigli
1:40 PM - Long-Term Outcomes of DES in AMI: PASSION (2-Year)
Maarten J. Suttrop
1:50 PM - Long-Term Outcomes of DES in AMI: SESAMI (2-Year)
Mauro Moschellini
2:00 PM - Long-Term Outcomes of DES in AMI: RESEARCH and T-SEARCH
Joost Daemen
2:10 PM - Should Specialized DES for AMI Be Developed? Early Experience with Endothelial Progenitor Cell Capture Technology
Jan-Henk Dambrink

FLASH DEBATE: SHOULD DES BE USED ROUTINELY DURING PRIMARY ANGIOPLASTY IN AMI, TODAY?
2:20 PM - Yes, the Rationale Is Strong and the Evidence Is Supportive!
Giulio Guagliumi
2:28 PM - No, Not Yet, Not Ever—
I Implore You!
Renu Virmani
2:36 PM - Moderated Discussion and Q&A
Panel Moderators: Roxana Mehran, Christian M. Spaulding
Discussants: Joost Daemen, Jan-Henk Dambrink, Giulio Guagliumi, Mauro Moschellini, Gregg W. Stone, Maarten J. Suttrop, Marco Valgimigli, Renu Virmani

STEMI VI: NOVEL STRATEGIES TO REDUCE INFARCT SIZE AND IMPROVE PRIMARY PCI OUTCOMES
Moderators: James Goldstein, Robert A. Kloner
2:51 PM - Routine or Selective Use of Distal Protection, Thrombectomy, and Thromboaspiration Catheters During Primary PCI: Is There Any Evidence (Beyond Common Sense) to Support Their Use?
Peter B. Berger
3:02 PM - New Observations from the DEDICATION Trial I: Infarct Size and ST-Segment Resolution
Anne K. Kaltot
3:11 PM - New Observations from the DEDICATION Trial II: 8-Month Clinical Results and Left Ventricular Function
Henning Kelbaek
3:19 PM - Proximal Protection of the Distal Microcirculation During Primary Angioplasty: Is it the Answer?
Karel T. Koch
3:29 PM - Systemic Review of Failed and Promising Adjunctive Pharmacologic Strategies to Reduce Infarct Size
Robert A. Kloner
3:41 PM - Supersaturated Oxygen Infusion: From Concept to AMIHORT-2 Pre-Presentation
Jack L. Martin
3:51 PM - Therapeutic Hypothermia for Anoxic Encephalopathy Cardiac Arrest Survivors
Michael Mooney
4:01 PM - TCT-4: Angiographic Findings and Outcomes in Unresponsive Patients with ST-Elevation Myocardial Infarction Resuscitated from Cardiac Arrest
Vinay R. Hosmane et al
4:11 PM - Protein Kinase-C Inhibition in AMI: Background for the DELTA Trial
Neal S. Kleiman
4:21 PM - Opportunities and Challenges of Stem Cell Therapy in AMI
Bernardo Nadal-Ginard
4:33 PM - Moderated Discussion and Q&A
Panel Moderators: James Goldstein, Robert A. Kloner

STEMI VII: THE OPEN ARTERY HYPOTHESIS AND OTHER CONTROVERSIES
Moderators: Frederick Feit, Cindy L. Grines
4:48 PM - The Open Artery Hypothesis Revised I: Insights From the Pivotal OAT Trial
Pawel E. Buszman
4:56 PM - The Open Artery Hypothesis Revised II: From a Conceptual Framework to the Realities of the OAT Trial
Bernard J. Gersh
5:08 PM - SWISS-II: Implications for Infarct Artery Recanalization (Routine vs. Selective, Occluded vs. Patent)
Matthias E. Pfisterer

5:18 PM - Rationale, Published Results, and the SCAI Position on Primary PCI with No Surgery On-Site
Gregory J. Dehmer

5:28 PM - Primary PCI with No Surgery On-Site: The Michigan Experience
Eric R. Bates

5:38 PM - Lessons from C-PORT: National Outcomes at “No Surgery On-Site” Hospitals
Thomas Avserano

5:48 PM - Non-Culprit Angioplasty During Primary PCI: It's Time to Treat!
Morris Mosseri

5:58 PM - Non-Culprit Angioplasty During Primary PCI: Rarely or Never!
David A. Cox

6:08 PM - Moderated Discussion and Q&A
Panel Moderators: Frederick Feit, Cindy L. Grines
Discussants: Thomas Avserano, Eric R. Bates, David A. Cox, Gregory J. Dehmer, Bernard J. Gersh, Morris Mosseri, Matthias E. Pfisterer

6:25 PM - Adjourn

MOLECULAR CARDIOLOGY BREAKTHROUGHS: CELL THERAPY AND ANGIOGENESIS, PART 2
8:00 AM-6:10 PM
Room 154AB

CELL THERAPY I: EMERGING INSIGHTS INTO MYOCYTE REGULATION AND REPAIR
Moderators: Keith L. March, Joshua M. Hare, Doris A. Taylor
8:00 AM - Affecting Cell Cycle Regulation to Prevent Ischemic Heart Failure
Hina W. Chaudhry
8:15 AM - Targeting Transcription to Avert and Treat Heart Failure
Frank J. Giordano
8:30 AM - Activation of Cell-Cycling in Local Myocytes
Bernardo Nadal-Ginard
8:45 AM - Calcium Transport: A New Therapeutic Target?
Daniel Burkhoff

9:00 AM - Moderated Discussion and Q&A
Panel Moderators: Joshua M. Hare, Doris A. Taylor
Discussants: Daniel Burkhoff, Hina W. Chaudhry, Frank J. Giordano, Bernardo Nadal-Ginard

9:15 AM - Endogenous Cardiac Progenitor Cells
Marc Penn

9:27 AM - Cell Based Gene Therapy for Treating Myocardial Dysfunction
Marc Penn

9:39 AM - Novel Molecular Properties of Mesenchymal Cells
Silviu Itescu

9:51 AM - Bone Marrow-Derived Embryonic-Like Cells
Wojciech Wojakowski

10:03 AM - Germ-Cell Derived Cardioblasts
Amit Patel

10:15 AM - Moderated Discussion and Q&A
Panel Moderators: Keith L. March, Bernardo Nadal-Ginard, Marc Penn
Discussants: Silviu Itescu, Amit Patel, Doris A. Taylor, Wojciech Wojakowski

10:27 AM - Novel Molecular Properties of Mesenchymal Cells
Silviu Itescu

10:39 AM - Bone Marrow-Derived Embryonic-Like Cells
Wojciech Wojakowski

10:51 AM - Germ-Cell Derived Cardioblasts
Amit Patel

11:03 AM - Moderated Discussion and Q&A
Panel Moderators: Joshua M. Hare, Doris A. Taylor
Discussants: Daniel Burkhoff, Hina W. Chaudhry, Frank J. Giordano, Bernardo Nadal-Ginard

11:15 AM - - 3-D Fibroblast Matrix Implantation After Acute Myocardial Infarction
Steven Goldman

11:57 AM - TCT-7: Results from the Multicenter, Prospective, Randomized Single-Blind Trial on Intracoronary or Combined (Percutaneous Intramyocardial and Intracoronary) Administration of Non-Selected Autologous Bone Marrow Cells to Patients After Acute Myocardial Infarction
Mariann Gyongyosi et al

12:07 PM - Moderated Discussion and Q&A
Panel Moderators: Warren Sherman, Gordana Vunjak-Novakovic
Discussants: Steven Goldman, Mariann Gyongyosi, Timothy Martens, Amit Patel, Emerson C. Perin, Tomasz Siminiak

12:22 PM - Break

CELL THERAPY IV: BREAKING NEWS: CLINICAL TRIALS FOR LEFT VENTRICULAR DYSFUNCTION
Moderators: Jozef Bartunek, Nicolas A. F. Chronos
1:00 PM - "SEISMIC" Outcomes
Henricus J. Duckers

1:15 PM - Myoblasts for Chronic Heart Failure: US Trial Experience Update
Nabil Dib

1:30 PM - Clinical Trials for Ischemic Heart Failure: Local and Global Effects
Emerson C. Perin

1:45 PM - From MYOHEART Results to the MARVEL Trial: Objectives and Trial Design
Warren Sherman

2:00 PM - Moderated Discussion and Q&A
Panel Moderators: Jozef Bartunek, Nicolas A. F. Chronos
Discussants: Nabil Dib, Henricus J. Duckers, Emerson C. Perin, Warren Sherman

CELL THERAPY V: ACUTE MYOCARDIAL INJURY
Moderators: Timothy D. Henry, Andreas M. Zeiher
2:15 PM - Critical Review of Methods for Assessing Left Ventricular Function After Myocardial Infarction
Michael Poon

2:30 PM - Enhancing Myocardial Mechanics: Non-Cellular Approaches
Jonathan Leon

2:45 PM - Novel Methods for Promoting Migration of Angiogenic Cells in Acute Injury
Helmut Drexler
3:00 pm - Injectable Extracellular Matrix Emulsions for Cardiac Repair
Keith A. Robinson

3:15 pm - Moderated Discussion and Q&A
Panel Moderators: Timothy D. Henry, Andreas M. Zeiher
Discussants: Henricus J. Duckers, Jonathan Leor, Michael Poon

CELL THERAPY VI: STEMI CLINICAL TRIAL RESULTS AND NEW DIRECTIONS
Moderators: Gregg W. Stone, Andreas M. Zeiher
3:30 pm - SELECT AMI: Study Design and Initial Observations
Jozef Bartunek

3:45 pm - The Apollo Study: Adipose-Derived Cells for Myocardial Repair
Henricus J. Duckers

4:00 pm - Selected CXCR4+ Cells for STEMI
Wojciech Wojakowski

4:15 pm - Allogeneic Mesenchymal Cells: 1-Year Follow-Up from a Phase 1 Study
Joshua M. Hare

4:30 pm - REPAIR AMI: Early and Sustained Improvement in Clinical Outcomes and LV Function: Why Does This Study Stand Out Among Many?
Andreas M. Zeiher

4:45 pm - TCT-B: Repeated Autologous Bone Marrow Mononuclear Cell Therapy in Patients with Large Myocardial Infarction
Yao Kang, Sr et al

5:00 pm - Moderated Discussion
Panel Moderators: Gregg W. Stone, Andreas M. Zeiher
Discussants: Jozef Bartunek, Henricus J. Duckers, Joshua M. Hare, Yao Kang, Sr, Wojciech Wojakowski

CELL THERAPY VII: THE GREAT DEBATES
Moderators: Helmut Drexler, Peter C. Smits

MECHANICAL VS. BIOLOGICAL THERAPEUTICS: HOW IMPORTANT WILL BIOLOGICAL APPROACHES REALLY BE IN THE FUTURE OF INTERVENTIONAL CARDIOLOGY?
5:10 pm - The Future Will Be All About the Biology!
Frank J. Giordano

5:20 pm - A Historical Footnote at Best! "Debacle"
Daniel Burkhoff

5:30 pm - Challenging Questions from the Moderators
Panel Moderators: Helmut Drexler, Peter C. Smits
Discussants: Daniel Burkhoff, Frank J. Giordano

THE DRUG-ELUTING STENT SUMMIT, PART 2
8:00 am-6:35 pm
Ballroom C, Level 3

DES CONTROVERSIES III: ADVERSE DRUG-ELUTING STENT RESPONSES
Moderators: Marie-Claude Morice, Renu Virmani
PATHOGENESIS OF STENT THROMBOSIS AFTER DES IMPLANTATION
8:00 am - The Pathologist’s Perspective
Renu Virmani
8:12 am - The Clinician’s Perspective
Edoardo Camenzind

CLINICAL EXPERIENCES WITH NEW IMAGING TECHNIQUES TO DETECT EARLY DES HEALING RESPONSES IN PATIENTS
8:22 am - Angioscopy
Yasunori Ueda
8:30 am - Optical Coherence Tomography
Giulio Guagliumi
8:38 am - The Clinical Spectrum of Late DES Thrombosis: Frequency, Clinical Presentation, Treatment Outcomes, and Introduction to the DESERT Registry
Ron Waksman
8:48 am - Applying Consistent Definitions for Stent Thrombosis: Benefits and Limitations of the Academic Research Consortium (ARC) Standards
Donald Cutlip
8:58 am - Is Late (or Delayed) Restenosis a Clinical Concern After DES Implantation?
Patrick W. Serruys
9:06 am - strut Fractures After DES Implantation: Frequency, Device Specificity, and Clinical Impact
Jeffrey J. Popma

STEMI BONE MARROW CELL THERAPY: SHOULD LARGE-SCALE CLINICAL TRIALS BE INITIATED?
5:40 pm - Yes, Why Wait?
Andreas M. Zeiher
5:50 pm - Not Until Much More Pilot Data on Mechanism, Safety, and Efficacy
Bernardo Nadal-Ginard

6:00 pm - Challenging Questions from the Moderators
Panel Moderators: Helmut Drexler, Peter C. Smits
Discussants: Bernardo Nadal-Ginard, Andreas M. Zeiher
6:10 pm - Adjourn

9:14 am - Causes, Patterns, and Treatment Options for In-Stent DES Restenosis
Roxana Mehran
9:22 am - Are There Adverse Effects on the Distant Coronary Vasculature After DES Implantation?
J. Brent Muhlestein
9:30 am - Moderated Discussion and Q&A
Panel Moderators: Marie-Claude Morice, Renu Virmani
Discussants: Edoardo Camenzind, Donald Cutlip, Giulio Guagliumi, J. Brent Muhlestein, Jeffrey J. Popma, Ron Waksman

DES CONTROVERSIES IV: CLOPIDOGREL USE CONUNDRUMS
Moderators: Paul A. Gurbel, Lisa K. Jennings
IS PROLONGED CLOPIDOGREL (BEYOND SIX MONTHS) REALLY OF SPECIFIC BENEFIT AFTER DES USE?
9:45 am - Very Clearly Yes: Lessons from the Duke Databank
David F. Kong
9:53 am - We Are Unable to Demonstrate This: Lessons from Milan
Antonio Colombo
10:01 am - Rebuttal Discussion
Antonio Colombo, David F. Kong

THE ROLE OF ASPRIN AND CLOPIDOGREL RESPONSIVENESS IN EARLY- AND LATE-STENT THROMBOSIS
10:06 am - Understanding Point-of-Care Assays for Assessing Platelet Responsiveness to Drug Therapy: Are the Data Useful for Clinical Decision Making?
Paul A. Gurbel
10:16 am - Platelet Activation During Thienopyridine Therapy and After Withdrawal
Antonio L. Bartorelli
10:24 am - The Impact of Clopidogrel Hyporesponsiveness on DES Thrombosis: The RECLOSE Trial
David Antoniucci
10:32 am - Relationship Between Thrombotic Events and a Point-of-Care Clopidogrel Responsiveness Assay from the SCRIPPS Real-World DES Registry
Matthew J. Price
10:40 am - Management Strategies for the Patient Requiring Non-Cardiac Surgery After DES Implantation
Harry R. Phillips
10:48 am - Moderated Discussion and Q&A
Panel Moderators: Paul A. Gurbel, Lisa K. Jennings
Discussants: David Antoniucci, Antonio L. Bartorelli, David F. Kong, Harry R. Phillips, Matthew J. Price

DES CONTROVERSIES V: OTHER TOPICS OF INTEREST
Moderators: Dean J. Kereiakes, Christian M. Spaulding
11:03 am - Clinical Outcomes of DES Treatment in Diabetics: Are There Safety or Efficacy Concerns and Are There Device Preferences?
Christian M. Spaulding
11:14 am - The Importance of Procedural Technique (Stent Sizing, Balloon Pressure, Lesion Preparation) to Optimize DES Implantation: Insights from STLLR and Other Experiences
Marco A. Costa
11:24 am - Can Routine IVUS Assessment Pre- and Post-DES (with or Without Radiofrequency Plaque Characterization) Meaningfully Reduce Stent Thrombosis and Restenosis?
Gary S. Mintz
11:34 am - After Long-Term Follow-Up, Are DES Still a Cost-Effective Therapy? In Which Patient Populations? In Spite of Late Stent Thrombosis?
David J. Cohen

MINI-DEBATE I: IS ANGIOGRAPHIC LATE LUMEN LOSS A SCIENTIFICALLY AND CLINICALLY WORTHWHILE SURROGATE ENDPOINT IN DES CLINICAL TRIALS?
11:43 am - Clearly Yes: The Value of Late Loss Has Stood the Test of Time!
Laura Mauri
11:51 am - Clearly Not: Clinical Outcomes Must Take Precedence!
Jean Marco
11:59 am - Questions to the Debaters from the Moderators
Panel Moderators: Dean J. Kereiakes, Christian M. Spaulding

MINI-DEBATE III: DES WILL PREVAIL AS EQUIVALENT TO (OR BETTER THAN) CABG IN THE ONGOING RANDOMIZED CLINICAL TRIALS IN MULTIVESSEL AND LEFT MAIN DISEASE (SYNTAX, FREEDOM, AND CARDIA)
12:23 pm - Without a Doubt, and These Trials Will Transform Revascularization Decisions!
Martin T. Rothman
12:31 pm - Do I Look Worried? These Trials Will Prove to Be the Greatest Benefit to CABG in Many Years!
Michael J. Mack
12:39 pm - Questions to the Debaters from the Moderators
Panel Moderators: Dean J. Kereiakes, Christian M. Spaulding

FDA-APPROVED AND “NEXT WAVE” U.S. DRUG-ELUTING STENTS
Moderators: Jeffrey J. Popma, Alan C. Yeung
CYPHER (POLYMER-BASED SIROLIMUS-ELUTING DES)
12:43 pm - Pivotal Trial Complete: Lessons After 5-Year Follow-Up from the SIRIUS Trial
Giora Weisz
12:51 pm - CYPHER in Chronic Total Occlusions: Results from the ACROSS Registry and the PRISON II Randomized Clinical Trial
David E. Kandzari
1:01 pm - New Stent Platforms (Cypher Elite, CoStar, and PionNIR), New Carrier Systems, and Ongoing or Planned Clinical Trials with Sirolimus-Eluting Stents (CYPHER)
Campbell Rogers
TAXUS (POLYMER-BASED PALCIAXEL-ELUTING DES)
1:11 pm - Pivotal Trial Complete: Lessons After 5-Year Follow-Up from the TAXUS-IV Trial
Stephen G. Ellis
1:19 pm - Important Late Follow-Up (two Years) and Subgroup Results from the TAXUS “Real World” ARRIVE Multicenter Registry
John M. Lasala
1:29 pm - New Stent Platforms (Liberte, Perseus, and Petal), New Carrier Systems (Labcoat), and Ongoing or Planned Clinical Trials with Paclitaxel-Eluting Stents (TAXUS)
Donald S. Baim
ENDEAVOR (PC POLYMER-BASED ZOTAROLIMUS-ELUTING DES)
1:39 pm - The Endeavor DES System: Technical Review and Clinical Trial Updates (ENDEAVOR 1–5 and PROTECT)
Martin B. Leon
XIENCE V (POLYMER-BASED EVEROLIMUS-ELUTING DES)
1:54 pm - The Xience V DES System: Technical Review and Clinical Trial Updates (SPIRIT 1–4 and Registries)
Gregg W. Stone

POSTMORTEM ANALYSES OF RECENT UNSUCCESSFUL DES SYSTEMS
2:09 pm - The CoStar Bioabsorbable Polymer-Based Paclitaxel-Eluting DES: CoStar II Results and Critical Postmortem
Mitchell W. Krucoff
2:19 pm - The Zomaxx PC Polymer-Based Zotarolimus-Eluting DES: Why Did Zomaxx Fail Short of Expectations?
Alan C. Young
2:29 pm - Moderated Discussion and Q&A
Panel Moderators: Jeffrey J. Popma, Alan C. Yeung
Discussants: Donald S. Bairn, Stephen G. Ellis, David E. Kandzari, Mitchell W. Krucoff, John M. Lasala, Campbell Rogers, Giora Weisz

OTHER IMPORTANT DES SYSTEMS IN CLINICAL USE AROUND THE GLOBE
Moderators: Keith D. Dawkins, Stephen G. Ellis
THE “FAMILY” OF BIOLIMUS A9-ELUTING BIOABSORBABLE POLYMER-BASED DES SYSTEMS
2:44 pm - The Biosensors BIOMATRIX Biolimus-Eluting DES Program: Technical Review and Clinical Trial Updates (STEALTH, BEACON, and LEADERS)
Stephan Windecker
2:56 pm - The Terumo NOBURI Biolimus-Eluting DES Program: NOBORI-I Phase I Update and a Preview of the Phase II Trial
Bernard R. Chevalier
3:06 pm - The Devax AXESS Biolimus-Eluting Self-Expanding Stent for Bifurcations (Including Left Main Disease)
Stefan Verheyen
3:16 pm - The Xtent CUSTOM Biolimus-Eluting Modular Stent Program (Focus on Multivessel and Diffuse Disease)
Pieter R. Stella
TACROLIMUS-ELUTING DES SYSTEMS
3:26 pm - The Sorin JANUS Tacrolimus-Eluting Stent for Acute Coronary Syndrome Lesions
Jochen Wohrle

TRUTH IN EVIDENCE-BASED MEDICINE - CHALLENGE CONVENTIONAL WISDOM - TRANSFORM YOUR THINKING
5:13 PM - Q&A

5:18 PM - DES in Saphenous Vein Grafts: Should Concerns from RRISC Late Outcomes Influence Clinical Practice? Glenn Van Langenhove

5:28 PM - Q&A

5:33 PM - DES in Bifurcation Disease: A Practical Approach Including and Beyond Provisional Sidebranch Stenting Angela Hooy

5:43 PM - Q&A

5:48 PM - DES in Chronic Total Occlusions: Support for a Full Metal DES Jacket (PRISON II, ACROSS, TAXUS Registry, etc)? Gerald S. Werner

5:58 PM - Q&A

6:03 PM - DES in Multivessel Disease: Practical Clinical Strategies and Early Insights from SYNTAX Bernard De Bruyne

6:13 PM - Q&A

6:18 PM - DES in Unprotected Left Main Disease: A Bridge Too Far or a Viable Clinical Option Today? Paul S. Teirstein

6:28 PM - Q&A

6:35 PM - Adjourn

OTHER SIROLIMUS-ELUTING STENT SYSTEMS
3:36 PM - The Translumina YUKON “Polymerless” Sirolimus-Eluting Stent: Review of the ISAR and Other Trials Helmut Schuhlen

3:46 PM - The EXCEL Bioabsorbable Polymer-Based Sirolimus-Eluting Stent: Results from the CREATE Registries Yaling Han

3:56 PM - The Sahajananand (SMT) SUPRALIMUS Bioabsorbable Polymer-Based Sirolimus-Eluting Stent: Clinical Trials (SERIES and MAXIMUS) and Future Plans Ashok Seth

4:06 PM - The Micropoint FIREBIRD Polymer-Based Sirolimus-Eluting Stent: FIREBIRD in China (FIC) and Other Clinical Trials Junbo Ge

OTHER PACLITAXEL-ELUTING STENT SYSTEMS
4:16 PM - The Sahajananand (SMT) INFINIUM Bioabsorbable Polymer-Based Paclitaxel-Eluting Stent: Results from the “Real World” SIMPLE III Registry D.S. Gambhir

4:26 PM - The Biosensors AXION Glycocalix “Polymerless” Paclitaxel-Eluting Stent: Results from the “Real World” EAGLE Registry Thomas A. Ischinger

THE PRO-HEALING GENOUS STENT SYSTEM
4:36 PM - The Orbus-Neich GENOUS Endothelial Progenitor Cell Capture Stent: Clinical Updates from the HEALING Studies, the AMC “Real World” Registry, and the TRIAS Trials Robert J. de Winter

4:48 PM - Moderated Discussion and Q&A Panel Moderators: Keith D. Dawkins, Stephen G. Ellis Discussants: Bernard R. Chevalier, Robert J. de Winter, Junbo Ge, Yaling Han, Thomas A. Ischinger, Helmut Schuhlen, Stefan Verheyen, Stephan Windecker, Jochen Wohler

THE DES CLINICAL CORNER: GUIDELINES FOR DES USE IN LESION-SPECIFIC SCENARIOS
Moderators: Sigmund Silber, Stefan Verheyen Discussants: Susheel Kodali, Maurizio Menichelli, Albert E. Rabin, Bonnie H. Weiner

5:03 PM - DES in Acute Myocardial Infarctions (STRATEGY, PASSION, TYPHOON, SESAME, PREMIER, etc): Use, Misuse, or Abuse? H. Vernon Anderson

8:42 AM - Nanobubble Based Harmonic, Subharmonic, and Molecular Imaging of Vasa Vasorum Antonius F. W. van der Steen

8:57 AM - Virtual Histology I: Technical Evolution, Strengths and Limitations, and Insights from Global Registries Raimund A. Erbel

9:12 AM - Virtual Histology II: Multimodality Imaging of the Coronary Tree in Patients with Acute Coronary Syndromes: Final Baseline PROSPECT Results Gregg W. Stone


9:42 AM - Moderated Discussion and Q&A Panel Moderators: Raimund A. Erbel, Antonius F. W. van der Steen Discussants: Steven B. Feinstein, Morteza Naghavi, Gilles Rioufol, Gregg W. Stone

INV ASIVE DETECTION MODALITIES II: TECHNOLOGY AND CLINICAL UPDATES
Moderators: Guillermo Tearney, Robert L. Wilensky

LIGHT-BASED IMAGING, SPECTROSCOPY, MRI, AND MOLECULAR IMAGING
9:57 AM - Angioscopic Plaque Appearance to Predict Patient and Lesion Risk Yasunori Ueda

10:12 AM - OCT Update: Clinical Studies, Polarization-Sensitive Enhancement, and the Promise of Fourier-Domain OCT Eveline S. Regar


10:42 AM - Optical Frequency Domain Imaging, Laser Speckle, and Newer Light-Based Plaque Characterization Technologies Brett E. Bouma

10:57 AM - Macrophage Detection, Quantification, and Prognostic Utility by OCT Ik-Kyung Jang

11:09 AM - Catheter Based Detection and Photothermalysis of Iron Oxide Loaded Macrophages Marc D. Feldman

VULNERABLE PLAQUE: PATHOPHYSIOLOGY, DETECTION, AND THERAPEUTIC INTERVENTION, PART 2
8:00 AM-5:50 PM Room 150B

INVASIVE DETECTION MODALITIES I: TECHNOLOGY AND CLINICAL UPDATES
Moderators: Raimund A. Erbel, Antonius F. W. van der Steen

INTRAVASCULAR ULTRASOUND, VIRTUAL HISTOLOGY, AND VASA VASORUM IMAGING
8:00 AM - IVUS Imaging of Atherosclerotic Plaque: Utility and Limitations in Predicting Vulnerability Gilles Rioufol

8:15 AM - Vasa Vasorum and Angiogenesis Imaging in Human Atherosclerotic Plaque with 2-D and 3-D Contrast Ultrasound Steven B. Feinstein

8:30 AM - Ultimate IVUS Update Morteza Naghavi
INTERVENTIONAL THERAPIES FOR VULNERABLE PLAQUE
Moderators: James H. Chesebro, James E. Muller

2:59 PM - The Spectrum of Vulnerable Plaque Animal Models: Do Any of Them Represent the Human Condition?
Juan F. Granada

3:12 PM - Update on Systemic Therapies for Atherosclerosis and Vulnerable Plaque Passivation: Efficacy of Current Pharmaceuticals and Innovative Agents Under Development to Stabilize and/or Regress Atheroma
James H. Chesebro

THE GREAT DEBATE: DOES STENT-BASED THERAPY (DES OR BMS) FOR VULNERABLE PLAQUE STAND A CHANCE?

3:27 PM - Yes: The Preclinical Data Are Strong, the Rationale Is Solid, and the Risks Are Justified!
Pedro R. Moreno

3:39 PM - No: The Justification Is Weak and the Pathology Promises Disaster!
Renu Virmani

3:51 PM - Impact on Macrophages and Plaque Architecture with an Everolimus-Eluting Stent in the Hypercholesterolemic Rabbit
Stefan Verheyne

4:00 PM - Description and Human Results with a VEGF-Inhibiting Bevacizumab-Eluting Stent
Christodoulos I. Stefanadis

4:15 PM - The Regional Approach to Vulnerable Plaque Stabilization: Rationale and Reality of Photodynamic Therapy
Ron Waksman

4:30 PM - Update on Cryotherapy for Regional Coronary Passivation
Glenn Van Langenhove

4:42 PM - Can Endothelial Progenitor Cells Be Used to Stabilize the Progression of Atherosclerotic Plaque?
Amir Lerman

5:06 PM - Development of a Novel Self-Expanding Bare Metal Stent for Vulnerable Plaque: Properties, Vascular Responses, and Future Directions
Juan F. Granada

5:18 PM - An Implantable Device for Real-Time Detection of Plaque Progression or Rupture
Tim A. Fischell

5:30 PM - Moderated Discussion and Q&A
Panel Moderators: James H. Chesebro, James E. Muller
5:50 PM - Adjourn

BIFURCATION AND LEFT MAIN STENTING: AN ADVANCED OPERATOR’S WORKSHOP
8:00 AM-6:45 PM
Room 150A

BIFURCATION STENTING OVERVIEW, TREATMENT PERSPECTIVES, AND IMAGING MODALITIES
Moderators: Antonio Colombo, Thierry Lefevre

8:00 AM - Coronary Bifurcation Treatment Considerations: Consensus Recommendations from the European Bifurcation Club
Thierry Lefevre

8:12 AM - Angiographic Assessment Subtleties of Bifurcation Lesions: Beyond the Medina Classification (Vessel Size, Takeoff Angles, and Plaque Characteristics)
Alexandra J. Lansky

8:22 AM - The Importance of Sidebranch Flow and Patency: Angiographic and Clinical Outcomes After Crossing Non-Diseased and Diseased Sidebranches with Bare Metal and Drug-Eluting Stents
Jeffrey J. Popma

8:30 AM - OCT Assessment of Bifurcation Lesions May Help to Profile Treatment Strategies
Carlo Di Mario

8:38 AM - Do Dynamic 3-D Anatomic Changes in Coronary Bifurcations Affect Treatment Outcomes?
Marco A. Costa

8:46 AM - IVUS Imaging of the Main Vessel and the Sidebranch with Different Bifurcation Treatment Approaches (INSIDE I and II Trials)
Ricardo A. Costa

8:54 AM - Kissing Balloons and Plaque Shift: IVUS Insights from the INSIGHT Trial
Marco A. Costa
9:02 am - Moderated Discussion and Q&A
Panel Moderators: Antonio Colombo, Thierry Lefevre
Discussants: Marco A. Costa, Ricardo A. Costa, Alexandra J. Lansky

BIFURCATION TECHNIQUES (STEP-BY-STEP TUTORIALS WITH CASE EXAMPLES)
Moderators: Maurice Buchbinder, Eulogio Garcia
9:12 am - The Provisional Single Stent Approach (And When and How to Protect the Sidebranch)
Yves R. Louvard
9:20 am - T-Stenting (and Its Variations): Technique and Preferred Situations
Pieter R. Stella
9:28 am - Crush Stenting (and Its Variations): Technique and Preferred Situations
Eulogio Garcia
9:36 am - V-Stenting for Non-Left Main Bifurcations: Technique and Preferred Situations
Samin Sharma
9:44 am - Is Coulotte Stenting Underutilized for Bifurcations? Technique and Preferred Situations
Howard C. Herrmann
9:52 am - Moderated Discussion and Q&A
Panel Moderators: Maurice Buchbinder, Eulogio Garcia
Discussants: Howard C. Herrmann, Yves R. Louvard, Samin Sharma, Pieter R. Stella

THE CENTRAL ISSUE: PROVISIONAL VS. DUAL STENT STRATEGIES
Moderators: Carlo Di Mario, Marie-Claude Morice
10:02 am - Perspective: Keep It Simple! Updated Lessons from the Nordic Bifurcation Trial
Andreas Erglis
10:10 am - The Main Event #1: Provisional vs. Two-Stent Strategies for Bifurcations
10:12 am - Point: Provisional Bifurcation Stenting Is Now the “Gold Standard” and Should Be Applied in ALL Patients
Thierry Lefevre
10:22 am - Counterpoint: Provisional Stenting Is Fine, BUT Most True Bifurcation Lesions Require a Sidebranch Stent Strategy from the Outset
Antonio Colombo
10:32 am - TCT-26: DES Use for Bifurcation Lesions Treatment: Is There Any Difference in Clinical Outcomes Between the One- vs. Two-Stent Strategies?
Daniela Trabattoni et al
10:42 am - TCT-27: Comparison of Simple vs. Complex Stenting Strategy for Coronary Artery Bifurcation Lesions in Daily Practice
Zhan Gao et al
10:52 am - A Randomized Trial of Crush vs. Provisional T-Stenting: First Report of the 30-Day Results from the CACTUS Trial
Antonio Colombo
11:00 am - Moderated Discussion and Q&A
Panel Moderators: Carlo Di Mario, Marie-Claude Morice
Discussants: Antonio Colombo, Andreas Erglis, Zhan Gao, Thierry Lefevre, Daniela Trabattoni

SIDEBRANCH CONSIDERATIONS
Moderators: Jeffrey W. Moses, Jeffrey J. Popma
11:10 am - Focus on the Sidebranch I: The Importance of Predilation and Take-Off Angles
Angela Hoye
11:20 am - Focus on the Sidebranch II: Potential Value of Dedicated Sidebranch Stents and Bare Metal vs. DES for the Sidebranch
Liliana R. Grinfeld
11:30 am - Focus on the “Third” Branch: Treatment Approaches for Trifurcation Lesions
Corrado Tamburino
11:40 am - When Is Atherectomy (Rotational or Directional) Plaque Modification Helpful for Bifurcation Lesions? The DESPARADO Trial
D. Christopher Metzger
11:48 am - When Is Atherotomy (Cutting or Scoring Balloon) Plaque Modification Helpful for Bifurcation Lesions
Jeffrey W. Moses
11:56 am - Use of Physiology to Guide Bifurcation Treatment Decisions
Michael J. Lim
12:04 pm - Moderated Discussion
Panel Moderators: Jeffrey W. Moses, Jeffrey J. Popma
Discussants: Liliana R. Grinfeld, Angela Hoye, Michael J. Lim, D. Christopher Metzger, Corrado Tamburino

Dedicated Stents for Bifurcation Lesions
Moderator: Martin B. Leon
12:19 pm - An Overview of the Spectrum of Dedicated Bifurcation Stent Designs
Martin B. Leon

BIFURCATION CASE TUTORIALS (COMPLEXITIES, CURiosITIES, AND CompPLICATIONS)
Moderators: Marco A. Costa, Issam D. Moussa
12:31 pm - Case #1
James B. Herrmiller, Jr
12:36 pm - Case #2
David A. Cox
12:41 pm - Case #3
Issam D. Moussa
12:46 pm - Case #4
Michael B. Collins
12:51 pm - Case #5
Leif Thuesen
12:56 pm - Case #6
David G. Rizik

LEFT MAIN STENTING OVERVIEW, TREATMENT PERSPECTIVES, AND IMAGING GUIDANCE
Moderators: Raj Makkar, Seung-Jung Park
1:01 pm - Left Main Coronary Interventional Treatment Considerations: Consensus Recommendations from the First Left Main Summit (Jeju, South Korea)
Martin B. Leon, Seung-Jung Park
1:13 pm - Updated Results from the First Randomized Trial of Bare Metal and Drug-Eluting Stents for Unprotected Left Main Lesions
Andreas Erglis

THE MAIN EVENT #2: PCI VS. CABG FOR LEFT MAIN DISEASE
1:23 pm - Point: Until Proven Otherwise (and That Means Well Conducted Randomized Trials), CABG Remains the “Gold Standard” Treatment for Unprotected Left Main Disease!
Michael J. Mack
1:33 pm - Counterpoint: CABG Is History! Left Main PCI with DES Is the Preferred Treatment in Most Patients!
Antonio Colombo
1:43 pm - Contrapoint: A Vote for “Balance” (CABG vs. PCI) in the Treatment of Unprotected Left Main Disease: What I Tell My Patients and Referring Physicians
Matthew J. Price
1:55 pm - TCT-28: Impact of Diabetes on Repeat Revascularization After Unprotected Left Main Stenting in the Drug-Eluting Stent Era: A Report from the French Left Main TAXUS Registry
Beatriz Vazquez et al
2:03 PM - Is Intravascular Ultrasound Guidance a Necessity for the Optimal Diagnosis and PCI Treatment of Left Main Lesions?  
Stuart T. Higano

2:13 PM - Physiologic Lesion Assessment Using FFR to Guide Left Main Treatment Strategies  
William F. Fearon

2:23 PM - Can CT Angiography Be Used to Reliably Diagnose and Follow (After PCI Treatment) Patients with Left Main Disease?  
Pim de Feyter

2:33 PM - Moderated Discussion and Q&A  
Panel Moderators: Raj Makkar, Seung-Jung Park  

LEFT MAIN INTERVENTIONAL TECHNIQUES (STEP-BY-STEP TUTORIALS WITH CASE EXAMPLES)  
Moderators: Yves R. Louvard, Paul S. Teirstein

2:48 PM - Case Open: Bifurcation Left Main PCI Treatment I: A Simplified, Single-Stent Approach for “ALL” Patients  
Marie-Claude Morice

2:58 PM - Case Open: Bifurcation Left Main PCI Treatment II: A Lesion-Specific 1- and 2-Stent Treatment Algorithm  
Seung-Jung Park

3:08 PM - TCT-29: Long-Term Results Comparing Simple vs. Complex Stenting Techniques in the Treatment of Bifurcational Unprotected Left Main Disease  
Primiano Lombardi et al

3:18 PM - The Role of Plaque Modification and Debubbling Modalities for Left Main PCI (the PERFECT Registry)  
Etsuo Tsuchikane

3:28 PM - Interventional Strategies for Left Main Trifurcation Disease  
Teguh Santoso

3:38 PM - Moderated Discussion and Q&A  
Panel Moderators: Yves R. Louvard, Paul S. Teirstein  
Discussants: Primiano Lombardi, Marie-Claude Morice, Seung-Jung Park, Teguh Santoso, Etsuo Tsuchikane

Left Main Intervention Registries and Trials  
Moderators: Jean Fajadet, Roxana Mehran

3:48 PM - The Asan Medical Center Left Main Experience with BMS and DES  
Seung-Jung Park

3:57 PM - The Polish National Registry of Left Main Disease and Late Follow-Up from the LEMANS Randomized Trial  
Paweł E. Buszman

4:06 PM - The Cedars-Sinai Left Main PCI vs. CABG Experience  
Raj Makkar

4:15 PM - Multicenter DES Registry of Left Main Ostial and Body Lesions  
Alaide Chieffo

4:24 PM - The Rotterdam DES Left Main Experience  
Marco Valgimigli

4:33 PM - The Columbia DES Left Main Experience  
Roxana Mehran

4:42 PM - The Scripps DES Left Main Experience  
Matthew J. Price

4:51 PM - The Gregorio Maranon TAXUS Left Main Experience  
Eulogio Garcia

5:00 PM - The TRUE TAXUS Left Main Registry (Late Follow-Up)  
Thierry Lefèvre

5:09 PM - A Multicenter Registry of the TAXUS Stent in Unprotected Left Main Disease: First Report of the 9-Month Results from the FRIEND Registry  
Didier Carrie

5:18 PM - The European Cypher Left Main Registry (Late Follow-Up)  
Jean Fajadet

5:26 PM - The Japanese Cypher Left Main Registry (2-Year Follow-Up)  
Takeshi Kimura

5:34 PM - A Large Randomized Trial of CYPHER vs. TAXUS Stents in Unprotected Left Main Disease: First Report of the 30-Day Results from the ISAR-Left Main Trial  
Julinda Mehilli

5:42 PM - Pre-Combat: Preliminary Findings from the Multicenter Korean Left Main DES vs. CABG Randomized Trial  
Seung-Jung Park

5:50 PM - SYNTAX: Preliminary Observations from the Left Main Cohort of the Multicenter Taxus vs. CABG Randomized Trial  
Patrick W. Serruys

5:58 PM - Moderated Discussion and Q&A  
Panel Moderators: Jean Fajadet, Roxana Mehran  
Discussants: Didier Carrie, Alaide Chieffo, Takeshi Kimura, Thierry Lefèvre, Raj Makkar, Julinda Mehilli, Seung-Jung Park, Matthew J. Price, Patrick W. Serruys, Marco Valgimigli

LEFT MAIN CASE TUTORIALS (COMPLEXITIES, CURiosITIES, AND COMPLiCATiOnS)  
Moderators: Bernhard Reimers, Gerhard C. Schuler

6:13 PM - Case #1  
John M. Lasala

6:18 PM - Case #2  
Costantino R. Costantini

6:23 PM - Case #3  
Yaling Han

6:28 PM - Case #4  
Toshiya Muramatsu

6:33 PM - Case #5  
Bernhard Reimers

6:38 PM - Case #6  
Gerald Barbeau

6:45 PM - Adjourn

CHRONIC TOTAL OCCLUSIONS: BASIC AND EXPERT TECHNIQUES  
8:00 AM-6:00 PM  
Room 145AB

CTO CASE SELECTION  
Moderators: Osamu Katoh, David O. Williams

8:00 AM - CTO Indications and Clinical Outcomes: Symptoms, Ischemia, or Survival?  
Angela Hoye

8:12 AM - Do the Results of OAT Impact the Indications for CTO Angioplasty?  
Jeffrey W. Moses

8:22 AM - Importance of Viability Assessment Prior to CTO Angioplasty  
Gerald Barbeau

8:32 AM - CTO Case Presentations: The Consequences of CTO Angioplasty Decision Making (with Baseline Imaging and Long-Term Follow-Up)  
Gerald S. Werner

8:42 AM - Moderated Discussion and Q&A  
Panel Moderators: Osamu Katoh, David O. Williams  
Discussants: Gerald Barbeau, Kenneth Chin, Angela Hoye, Jeffrey W. Moses, Gerald S. Werner
CTO PROCEDURAL SUCCESS AND FAILURE
Moderators: Geoffrey O. Hartzler, Jeffrey W. Moses
8:57 AM - Western Perspectives: What Are the Current Success Rates and Predictors of CTO Failure?
Carlo Di Mario
9:07 AM - Eastern Perspectives: What Are the Current Success Rates and Predictors of CTO Failure?
Masato Nakamura
9:17 AM - Special Lecture: Just How Safe Is CTO Angioplasty? Frequency and Range of CTO Complications (Data and Hair-Raising Case Examples)
Joachim Schofer
9:32 AM - CTO Case Presentation: More Complications
Steven J. Yakubov
9:42 AM - Factoring in Radiation Exposure, Contrast Utilization, and Resource Consumption in the Decision to Perform CTO Angioplasty
Roxana Mehran
9:54 AM - Are Drug-Eluting Stents Imperative for CTO Angioplasty? Literature Review, 3-Year Results of PRISON-II, and Rational for PRISON-III
Maarten J. Suttorp
10:06 AM - TCT-34: Drug-Eluting Stents for the Treatment of Chronic Total Occlusion: A Comparison with Sirolimus, Paclitaxel, Zotarolimus, Tacrolimus-Eluting, and EPC Capture Stent: Multicenter Registry in Asia
Sunao Nakamura et al
10:16 AM - Moderated Discussion and Q&A Panel Moderators: Geoffrey O. Hartzler, Jeffrey W. Moses
Discussants: Roxana Mehran, Sunao Nakamura, Masato Nakamura, Joachim Schofer, Maarten J. Suttorp, Steven J. Yakubov

ANTEGRADE TECHNIQUE FORUM
Moderators: J. J. R. M. (Hans) Bonnier, Takahiko Suzuki
10:31 AM - Guidewire Options and Selection Criteria: Hydrophilic, Tapered, or Strong as Steel?
Martin B. Leon
10:43 AM - Antegrade Guidewire Basics: Guidewire Tip Shaping, Escalation Strategies, Drilling vs. Penetration, and When to Use (and Not Use) Parallel Wire Etsuo Tsuchikane

10:58 AM - Enhanced Outcomes with Technique Evolution Over a Decade of CTO Angioplasty: Toyahashi Heart Experience
Takahiko Suzuki
11:08 AM - The “Live Case” Approach to CTO Angioplasty: Lessons from Four Years of the CTO Summit
Gregg W. Stone
11:20 AM - IVUS Guidance Techniques to Ensure Intraluminal Wire Position
Yasushi Asakura
11:32 AM - Antegrade Case Presentation: IVUS Guided Wiring
Satoru Sumitsuji
11:42 AM - Subintimal Tracking and Reentry: Indications, Technique, Complications, and Acute/Late Success
Antonio Colombo
11:54 AM - Roundtable Discussion
Panel Moderators: J. J. R. M. (Hans) Bonnier, Takahiko Suzuki
Discussants: Yasushi Asakura, Reginald I. Low, Gregg W. Stone, Satoru Sumitsuji, Etsuo Tsuchikane
12:09 PM - Break

CROSSING THE RESISTANT LESION
Moderators: Reginald I. Low, Hideo Tamai
1:30 PM - When the Wire Crosses But the Balloon Won’t: From Anchor and Guide Techniques to Tomus, Rotablator, and Laser Patrick L. Whitlow
1:45 PM - Antegrade Case Presentations: Strategies to Cross Resistant Lesions After Successful Wiring (Non Tomus) Kenneth C. Huber
1:55 PM - Antegrade Case Presentations: Multifunctional Use of the Tomus Masahiko Ochiai
2:05 PM - Moderated Discussion and Q&A Panel Moderators: Reginald I. Low, Hideo Tamai
Discussants: Kenneth C. Huber, Masahiko Ochiai, Patrick L. Whitlow

RETROGRADE TECHNIQUE FORUM
Moderators: Tomoaki Hinohara, Osamu Katoh
2:15 PM - Retrograde Fundamentals I: Initial or Secondary Approach; Collateral Examination; Guide, Guidewire, and Microcatheter Selection; Lesion Wiring Masahiko Ochiai
2:30 PM - Retrograde Fundamentals II: Lesion Crossing “Antegrade, Retrograde, CART, Reverse CART” Tips and Tricks Osamu Katoh

2:45 PM - Retrograde Technique III: Avoiding and Managing Complications Shigeru Saito
2:55 PM - Retrograde Case Presentations: Selection of Collaterals Kazuaki Mitsudo
3:05 PM - Retrograde Case Presentations: Difficult Lesion Crossing Junbo Ge
3:15 PM - Retrograde Case Presentations: Externalization of Retrograde CTO Wiring Yaron Almagor
3:25 PM - TCT-35: The Efficacy of Bilateral Approach for the Lesions with Chronic Total Occlusion in Acute Results: The CART Registry Masashi Kimura et al
3:45 PM - Moderated Discussion and Q&A Panel Moderators: Tomoaki Hinohara, Osamu Katoh
Discussants: Yaron Almagor, Masashi Kimura, Kazuaki Mitsudo, Masahiko Ochiai, Shigeru Saito, Georgios Sianos

CTO IMAGING AND NOVEL DEVICE APPROACHES
Moderators: Maurice Buchbinder, Charles A. Simonton
4:00 PM - Incorporating CT Angiography into CTO Angioplasty: Predictors of Success and Role in Procedural Guidance Manel Sabate
4:12 PM - Blunt Microdissection Revisited: The Ovalum CiTop Guidewire System Kenur H. Parikh
4:22 PM - Progress with a Novel High Frequency Oscillating Guidewire System Alexandre Abizaid
4:32 PM - Device Maturation and Practical Recommendations for Use of the Safe Cross OCR/RF Ablation System Charles A. Simonton
4:44 PM - Final FACTOR Results of High Frequency Mechanical Ultrasound CTO Angioplasty with the Crosser and Future Directions Louis A. Cannon
4:56 PM - TCT-37: Recanalization of Chronic Total Coronary Occlusions Using the CROSSER System as a First Attempt: The CRAFT Study Antonio Colombo et al
5:06 PM - Magnetic Guidance of CTO Angioplasty (with and Without Integrated CT Angiography)  
Jeffrey W. Moses

5:16 PM - Progress with a Forward-Looking IVUS-RF Ablation System  
David O. Williams

5:26 PM - A New Guidewire Sheath for Resistant Lesion Crossing, and Collegenase Update  
Bradley H. Strauss

5:41 PM - Moderated Discussion and Q&A  
Panel Moderators: Maurice Buchbinder, Charles A. Simonton  
Discussants: Antonio Colombo, Jeffrey W. Moses, Manel Sabate, Bradley H. Strauss, David O. Williams

6:00 PM - Adjourn

INTERVENTIONAL THERAPIES FOR ADULT CONGENITAL HEART DISEASE AND STRUCTURAL DEFECTS (FEATUREING A MINI-COURSE ON TRANSSEPTAL CATHETERIZATION)

8:00 AM-6:05 PM
Room 149AB

PFO CLOSURE: ALTERNATIVES AND OPEN ISSUES  
Moderators: Paul Kramer, Jonathan M. Tobis

8:00 AM - Evidence-Based vs. Contemporary Patient Selection Criteria for Interventional PFO Closure: Should the Threshold Be Raised or Lowered?  
Ted Feldman

8:10 AM - PFO Closure for Stroke Prevention: Clinical Trial Landscape and Early Insights  
Jonathan M. Tobis

8:20 AM - PFO Closure for Migraine Prevention: Clinical Trial Landscape and Early Insights  
Peter T. Wilmshurst

8:30 AM - A Critical Assessment of PFO Closure for Stroke and Migraine: Why It Might or Might Not Work  
Mark Reisman

8:42 AM - Variability of PFO Anatomy: Insights from Imaging, and Implications for Transcatheter Therapy  
David J. Sahn

8:52 AM - Differentiating Among PFO Closure Options: What I Like (and Don’t Like) About Each Device and How to Choose  
Stephen J.D. Brecker

9:04 AM - Advanced Techniques for PFO Closure and Recognition of Unusual Situations  
Paul Kramer

9:16 AM - TCT-22: A Prospective, Multicenter Clinical Trial to Evaluate the BioSTAR Bioabsorbable Septal Repair Implant for the Closure of Atrial Level Shunts: The BEST Study  
Michael J. Mullen et al

9:26 AM - Moderated Discussion and Q&A  
Panel Moderators: Paul Kramer, Jonathan M. Tobis  
Discussants: Stephen J. D. Brecker, Ted Feldman, Michael J. Mullen, Mark Reisman, David J. Sahn, Peter T. Wilmshurst

ASD CLOSURE: SIMPLE OR NOT?  
Moderators: John F. Rhodes, Robert J. Sommer

9:41 AM - When to Close and When NOT to Close an ASD  
Robert J. Sommer

9:51 AM - When Is Surgical ASD Repair Preferred?  
Ziyad M. Hijazi

10:01 AM - Advanced Techniques for ASD Closure: Patient Assessment, Imaging, and Device Selection  
Zahid Amin

10:13 AM - The Spectrum of Device Complications After Percutaneous ASD and PFO Closure: Are They Less Common Than Previously Thought?  
William E. Hellenbrand

10:25 AM - TCT-23: Transcatheter Device Occlusion of Atrial Septal Defects with Pulmonary Hypertension: Initial Results from the MAGIC Registry  
Scott Lim et al

10:35 AM - Moderated Discussion and Q&A  
Panel Moderators: John F. Rhodes, Robert J. Sommer  
Discussants: Zahid Amin, William E. Hellenbrand, Ziyad M. Hijazi, Scott Lim

10:50 AM - Variables Related to Successful Acute and Sustained Post Myocardial Infarction VSD Closure  
Eric Horlick

11:00 AM - Technical Aspects and Advanced Techniques of Post-MI VSD Closure  
Ziyad M. Hijazi

11:10 AM - TCT-24: Transcatheter Closure of High-Risk Muscular Ventricular Septal Defects with the CardioSEAL Occluder: Midterm Follow-Up from the CardioSEAL VSD Registry  
Scott Lim et al

11:20 AM - Are Most PDA Repairs Unnecessary? Indications for PDA Closure  
Frank F. Ing

11:30 AM - Devices and Advanced Approaches to PDA Closure  
Carlos E. Ruiz

Sunil Thanvi et al

11:50 AM - Moderated Discussion and Q&A  
Panel Moderators: William E. Hellenbrand, Ziyad M. Hijazi  
Discussants: Eric Horlick, Frank F. Ing, Scott Lim, Carlos E. Ruiz, Sunil Thanvi

MINI-COURSE ON TRANSSEPTAL CATHETERIZATION

Moderators: Ziyad M. Hijazi, Robert J. Sommer

12:15 PM - Septal Anatomy and Anatomic Relationships  
James A. Goldstein

12:25 PM - Standard Transseptal Equipment, Technique, and Modifications  
Howard C. Herrmann

12:35 PM - Imaging Guidance of Transseptal Puncture I: TTE, TEE, and ICE  
David J. Sahn

12:45 PM - Complications of Transseptal Catheterization  
Zoltan G. Turi

12:55 PM - Training Requirements for Transseptal Catheterization  
Samir R. Kapadia

1:05 PM - Moderated Discussion and Q&A  
Panel Moderators: Ziyad M. Hijazi, Robert J. Sommer  
Discussants: James A. Goldstein, Samir R. Kapadia, David J. Sahn, Zoltan G. Turi
DEVICES TO CLOSE SEPTAL DEFECTS: DESIGNS, CLINICAL EXPERIENCE, AND FUTURE DIRECTIONS
Moderators: Mark Reisman, John F. Rhodes
1:15 PM - NMT Cardioseal, Starflex, Biostar, and Biotrek Devices
Mark Reisman
1:25 PM - AGA PFO, ASD, VSD, Cribiform, and Duct Occluders
Eulogio Garcia
1:35 PM - Gore Helex Occluder
John F. Rhodes
1:44 PM - St. Jude Premere
Robert J. Sommer
1:53 PM - Cardia Intrasept and Atriasert
Werner Budds
2:02 PM - Solsysafe Device
Peter Ewert
2:11 PM - The Occludech Device
Horst Sievert
2:20 PM - The Johnson and Johnson SeptRx
Nico Majunke
2:29 PM - Coherex
Brian Whisenant
2:38 PM - VSD NitOcclud
Carlos Pedra
2:47 PM - RF Ablative Devices I: Cierra
G. John Pettit
2:55 PM - RF Ablative Devices II: Coaptus
Thomas K. Jones

“ADVANCED” INTERVENTIONS FOR ADULT CONGENITAL HEART DISEASE
Moderators: Lee N. Benson, Eric Horlick
3:03 PM - Stent Angioplasty for Congenital Heart Disease I: Coarctation
William E. Hellenbrand
3:15 PM - Stent Angioplasty for Congenital Heart Disease II: Branch Pulmonary Stenosis and Obstructed Conduits
Achim Amin
3:27 PM - Coronary and Pulmonary Artery Fistulae and AV Malformations: Presentation, Evaluation, and Indications for Treatment
Larry A. Latson
3:39 PM - Devices and Techniques to Treat Coronary and Pulmonary Artery Fistulae and AV Malformations
Lee N. Benson
3:51 PM - Valvuloplasty for Congenital Aortic and Pulmonary Stenosis
Philipp Bonhoeffer

4:06 PM - Transcatheter Treatment of Paravalvular Leaks
Shakeel A. Qureshi
4:16 PM - Left Atrial Appendage Closure I: Long-Term Outcomes After PLAATO Implantation
Peter C. Block
4:26 PM - Left Atrial Appendage Closure II: WATCHMAN Device, Registry Results, and Randomized Trial Status
Kenneth C. Huber
4:38 PM - Percutaneous Approaches to Left Ventricular Pseudoaneurysms
Zoltan G. Turi
4:48 PM - After the Defect Is Closed: Medications and Long-Term Management Issues
Eric Horlick
4:58 PM - Moderated Discussion and Q&A
Panel Moderators: Lee N. Benson, Eric Horlick
Discussants: Zahid Amin, Peter C. Block, Philipp Bonhoeffer, William E. Hellenbrand, Kenneth C. Huber, Larry A. Latson, Shakeel A. Qureshi, Zoltan G. Turi

CASE REVIEWS: COMPLICATIONS OF INTERVENTIONAL THERAPIES FOR CONGENITAL HEART DISEASE
Moderators: Charles E. Mullins, Eustaquio Onorato
5:15 PM - Case #1
Jon R. Resar
5:25 PM - Case #2
Jochen Wohlrle
5:35 PM - Case #3
Ramon Quesada
5:45 PM - Case #4
Shakeel A. Qureshi
5:55 PM - Case #5
Allen P. Burke
6:05 PM - Adjourn

INNOVATIVE DEVICES AND FUTURISTIC CONCEPTS I: NOVEL BARE METAL AND DRUG-ELUTING STENTS
8:00 AM-7:00 PM
Room 152A

NEW BARE METAL CORONARY STENTS
Moderators: Antonio L. Bartorelli, Tim A. Fischell
8:00 AM - The Future of Bare Metal Coronary Stents in PCI: A Return to the Past or an Exciting New Future?
Chaim Lotan
8:10 AM - Optimizing Stent Design by Infinite Analysis of Flow Velocity and Wall Shear Stress
Goetz M. Richter
8:18 AM - The ICON Molybdenum Thin Strut Metallic Stent
Alexandre Abizaid
8:26 AM - The PROX Cobalt Alloy Prohealing Balloon-Expandable Stent
Mark C. Bates
8:34 AM - The Invatec SKYLOR Ultra-Thin Strut Cobalt Alloy Stent: Follow-Up Clinical Outcomes from a Large Registry
Pieter R. Stella
8:42 AM - The Titanium Nitrate-Coated Cobalt Alloy IBS NUMEN “Less Mismatch” Coronary Stent: Early Clinical Experiences
Alessandro S. Bartone
8:50 AM - The Boston Scientific Platinum-Enriched Stainless Steel ELEMENT Stent
Louis A. Cannon
8:58 AM - Platinum-Implanted Cobalt Chromium Stent Biocompatibility
S. Eric Ryan
9:06 AM - The Sorin Carbofilm-Coated Cobalt Alloy Coronary Stent: Results from the STELLAR First-in-Man Study
Antonio L. Bartorelli
9:14 AM - The Medinol NIRflex and Thin Strut Cobalt Alloy PIONIR Coronary Stent
Ran Komowski
9:22 AM - The Biotronik Prokinetic Bare Metal Stent: Results from an “All Comers” Clinical Trial
Ran Komowski
9:30 AM - Moderated Discussion and Q&A
Panel Moderators: Antonio L. Bartorelli, Tim A. Fischell
Discussants: Mark C. Bates, Alessandro S. Bartone, Louis A. Cannon, Ran Komowski, Chaim Lotan, Goetz M. Richter, S. Eric Ryan

OSTIAL STENT DESIGNS
Moderators: Kenneth Chin, Liliana R. Grinfeld
9:40 AM - The OSTIAL PRO: A New Tool for Precise Ostial Stent Placement
Tim A. Fischell
9:48 AM - The OSTIUM Stent: Design Concept and Early Clinical Experiences
Roberto R. Grinfeld
9:56 AM - The SQUARE ONE Stent-Based Positioning System for Coronary and Peripheral Ostial Lesions
James B. Hermiller, Jr
10:04 AM - Moderated Discussion and Q&A Panel Moderators: Kenneth Chin, Liliana R. Grinfeld
Discussions: Tim A. Fischell, Roberto R. Grinfeld, James B. Hermiller, Jr

VULNERABLE PLAQUE STENT DESIGNS
Moderators: S. Ward Casscells, Juan F. Granada

10:14 AM - Stent Design Concepts for the Treatment (or Stabilization) of Vulnerable Plaque: Lessons from the Experimental Laboratory (Abbott and Others)
Pedro R. Moreno

10:24 AM - Self-Expanding Stent Designs for Vulnerable Plaque and Acute Coronary Syndrome Lesions: Design Imperatives and Experimental Findings (Prescient and Others)
Juan F. Granada

10:34 AM - The Bevacizumab Eluting Coronary Stent for the Treatment of Vulnerable Plaque: Early Clinical Experiences
Christodoulou I. Stefanadis

10:40 AM - Moderated Discussion and Q&A Panel Moderators: S. Ward Casscells, Juan F. Granada
Discussions: Pedro R. Moreno, Christodoulou I. Stefanadis

BI-FURCATION STENT DESIGNS
Moderators: Samin Sharma, Stefan Verheye

COMPLETE BI-FURCATION “Y” STENTS
10:45 AM - Medtronic
Raoul Bonan

SIDE-BRANCH ACCESS STENTS
10:53 AM - StentYs
Maurice Buchbinder

11:01 AM - Abbott Frontier
Giulio Guagliumi

11:09 AM - BSC Taxus Petal
Maurice Buchbinder

11:17 AM - Invatec Twin-Rail
Remo Alibiero

11:25 AM - Ymed Side-Kick
Yaron Almagor

11:33 AM - TriReme Medical
Alexandre Abizaid

11:41 AM - Minvasys Nile
Thierry Lefèvre

DEDICATED SIDE-BRANCH STENTS
11:51 AM - Tryton
Aaron V. Kaplan

12:01 PM - Cappella Sideguard
Eberhard Grube

CARINA EXPANSION STENTS
12:11 PM - Devax (AXXESS Plus and DIVERGE)
Stefan Verheye

12:21 PM - Moderated Discussion and Q&A Panel Moderators: Samin Sharma, Stefan Verheye
Discussions: Alexandre Abizaid, Remo Alibiero, Raoul Bonan, Eberhard Grube, Giulio Guagliumi, Aaron V. Kaplan, Thierry Lefèvre

CORONARY STENT GRAFTS AND MICRO-STENT DESIGNS
Moderators: Steven R. Bailey, S. Chiu Wong

12:35 PM - The SESAME Mesh-Covered Nanostent System: Design Concepts and Early Experiences in Saphenous Vein Grafts
Steven R. Bailey

12:43 PM - The Inspire MD Woven Polymer MGuard Stent Graft: Clinical Experiences in Native Coronary and Saphenous Vein Graft Lesions
Eberhard Grube

12:51 PM - The Design and Performance Bovine Pericardial Covered (Over-Under) Stent Graft: Clinical Status Update
Jorge Gaspar

12:59 PM - The Cardiomend Stent-on-a-Wire Concept: Results from the First-in-Man CARE 1 Study
Alexandre Abizaid

1:09 PM - A New Concept for a “Micro” Stent-on-a-Wire
Tim A. Fischell

1:17 PM - Moderated Discussion and Q&A Panel Moderators: Steven R. Bailey, S. Chiu Wong
Discussions: Alexandre Abizaid, Tim A. Fischell, Jorge Gaspar, Eberhard Grube

BIO-ABSORBABLE STENT DESIGNS: THE NEXT FRONTIER?
Moderators: Robert S. Schwartz, Ron Waksman

1:30 PM - Weighing the Theoretical Advantages and Limitations of Bioabsorbable Stents: Predictions for Their Future Niche Application or Widespread Acceptance
Ron Waksman

1:43 PM - Lessons Learned from Preclinical Evaluation of Bioabsorbable Stents with Serial Angiographic, IVUS, and OCT Imaging
Greg L. Kaluza

1:55 PM - The ABSORB First-in-Man Clinical Trial: Early and Late Clinical Outcomes and IVUS Mechanistic Insights
Patrick W. Serruys

2:10 PM - The Biotronik Absorbable Magnesium Alloy Stent: Late Clinical Follow-Up from the Coronary PROGRESS Trial and Future Technology Advances
Jacques J. Koolen

2:20 PM - The BTI Salicylate-Based Polyanhdydride Ester Absorbable Sirolimus-Eluting Stent: Design Concept and Experimental Findings
Keith A. Robinson

2:28 PM - The Reva Tyrosine-Derived Polycarbonate Absorbable Stent: Design Characteristics and First-in-Man Experiences from the RESORB Trial
Eberhard Grube

2:36 PM - Moderated Discussion and Q&A Panel Moderators: Robert S. Schwartz, Ron Waksman
Discussants: Eberhard Grube, Greg L. Kaluza, Jacques J. Koolen, Patrick W. Serruys

FIRST-IN-MAN EXPERIENCES WITH DRUG-ELUTING STENTS I AND PASSIVE AND ACTIVE STENT COATINGS
Moderators: Andrew J. Carter, Nicolas A. F. Chronos

2:50 PM - Preclinical Experience with a Novolimus-Eluting Stent
Guy LeClerc

2:55 PM - The Elixir Novolimus-Eluting Durable Polymer Stent: Results from the EXELLA First-in-Man Study
Alexandre Abizaid

3:03 PM - The MIV Polymer-Free Hydroxyapatite-Coated Sirolimus-Eluting Stent: First-in-Man Angiographic and IVUS Follow-Up Results
Alexandre Abizaid

3:11 PM - Understanding Vascular Healing Responses After Stent Implantation: Impact on Delayed Stent Thrombosis, and Effects of Surface Coatings
Aloke Finn

3:21 PM - Oxygen Ion Bombarded Metal Stents (Bionert): Results from the BIOSAS Clinical Study
Eulogio Garcia
NEW DRUG CARRIER SYSTEMS

Moderators: Elazer R. Edelman, Keith A. Robinson

5:33 PM - New DES Carrier Systems: Advantages and Disadvantages of Durable Polymers, Bioabsorbable Polymers, and Polymer-Free Systems
Nicolas A. F. Chronos

5:40 PM - The Medinol Carrier-Free Drug Elution System
Yoram Richter

10:30 AM - The Conor Genesis Study: A First-in-Man Clinical Trial Comparing Pimecrolimus + Paclitaxel vs. Single Drug Therapies
Keith D. Dawkins

11:00 AM - A Polymer-Based Siimvastatin-Eluting Stent: Results from the IRIST Trial
Eulogio Garcia

11:30 AM - The Endeavor RESOLUTE First-in-Man Clinical Trial: Late Angiographic, IVUS, and Clinical Follow-Up
Robert J. Whitbourn

12:00 PM - MELISSA: A First-in-Man Study of a Melatonin-Eluting Stent
Jacques J. Koolen

12:30 PM - The SMT Synchronium (Heparin + Sirolimus) Absorbable Polymer Stent: First-in-Man Results from the HARMONY Trial
Suhas S Lele

1:00 PM - First-in-Man Results from a Novel Paclitaxel Absorbable Polymer Stent (LUC-Chopin2)
Pawel E. Buszman

5:09 PM - Optimized Stabilized Oil-Based Stent Coatings for Drug Delivery
Ivan De Scheeder

5:17 PM - SAMs (Self-Assembly Monolayers) to Attach Drugs to Stents Without Polymers
Marc D. Feldman

5:25 PM - Moderated Discussion and Q&A
Panel Moderators: Elazer R. Edelman, Keith A. Robinson
Discussants: Nicolas A. F. Chronos, Ivan De Scheeder, Marc D. Feldman, Goetz M. Richter, Yoram Richter, Shrirang Ranade, Josiah N. Wilcox

FIRST-IN-MAN EXPERIENCES WITH NEW DRUG-ELUTING STENTS II

Moderators: Jacques J. Koolen, Guy LeClerc

5:35 PM - The Conor GENESIS Study: A First-in-Man Clinical Trial Comparing Pimecrolimus + Paclitaxel vs. Single Drug Therapies
Keith D. Dawkins

5:45 PM - A Polymer-Based Siimvastatin-Eluting Stent: Results from the IRIST Trial
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5:55 PM - The Endeavor RESOLUTE First-in-Man Clinical Trial: Late Angiographic, IVUS, and Clinical Follow-Up
Robert J. Whitbourn

6:05 PM - MELISSA: A First-in-Man Study of a Melatonin-Eluting Stent
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Suhas S Lele

6:25 PM - First-in-Man Results from a Novel Paclitaxel Absorbable Polymer Stent (LUC-Chopin2)
Pawel E. Buszman

6:35 PM - The Avastin-Eluting Coronary Stent: First-in-Man Experiences with Late Angiographic and Clinical Follow-Up
Christodoulos I. Stefanadis

6:45 PM - Moderated Discussion and Q&A
Panel Moderators: Jacques J. Koolen, Guy LeClerc
Discussants: Pawel E. Buszman, Keith D. Dawkins, Eulogio Garcia, Suhas S Lele, Christodoulos I. Stefanadis, Robert J. Whitbourn

7:00 PM - Adjourn

INNOVATIVE DEVICES AND FUTURISTIC CONCEPTS II: NON-STENT-BASED TECHNOLOGIES

Moderators: Richard Schatz, Marvin L. Woodall

8:00 AM - Understanding the Device Development Cycle: Generating Intellectual Property, Screening, and Prototyping New Ideas, Financing Pathways and Pitfalls, and Culminating in a Successful “Start-Up”
Peter J. Fitzgerald

8:10 AM - So You Have an Idea? Interacting with “Big” Industry (Pros And Cons Compared to Start-Ups and VC Financing; Protecting Yourself; What to Ask For and What to Expect)
Robert Croce

8:20 AM - Reflections from the Consummate Clinician-Inventor-Entrepreneur (From ACS to DVI to Perclose and FoxHollow): What a Ride!
John B. Simpson

8:30 AM - Moderated Discussion and Q&A
Panel Moderators: Richard Schatz, Marvin L. Woodall
Discussants: Robert Croce, Peter J. Fitzgerald, John B. Simpson

NOVEL INTRAVASCULAR IMAGING AND DIAGNOSTIC MODALITIES

Moderators: John D. Carroll, Robert L. Wilensky

8:35 AM - 3-D Angiography and Image Co-Registration Will Be Fundamental to the Cath Lab of the Future!
John D. Carroll

8:45 AM - Integrating 3-D Coronary Imaging Using the Paieon Cardio-Op System into the Cath Lab of Today
Ran Komowski

8:53 AM - Why Is IVUS Underutilized?
Will Cath Lab Integration, Automated Image Processing, and Virtual Histology Make a Difference?
Gary S. Mintz

9:01 AM - Intra-Cardiac Optical Imaging for the Structural Interventionalist: Potential and Challenges
Mark Reisman
SUNDAY / OCTOBER 21, 2007

9:09 AM - Improved Intravascular Optical Imaging Techniques (OCT and OFDI) Will Become the Future Diagnostic Standard in the Cath Lab
Marc D. Feldman

9:17 AM - An IVUS Surrogate: The Lumenrecon Catheter to Measure Lumen Cross-Sectional Area and Diameter Using Impedance Techniques
M. Reza Movahed

9:25 AM - Moderated Discussion and Q&A
Panel Moderators: John D. Carroll, Robert L. Wilensky
Discussants: Marc D. Feldman, M. Reza Movahed

NAVIGATION, TELEMANIPULATION, ROBOTICS, AND SENSOR-BASED GUIDANCE
Moderators: Rafael Beyar, David O. Williams

9:35 AM - Using the Stereotaxis Magnetic Guidance System to Treat Coronary CTOs: Combining Image Co-registration and an RF Magnetically Steered Guidewire (Thoraxcenter Clinical Experiences)
Patrick W. Serruys

9:45 AM - The Mediguides GPS System Using a Sensor-Enabled Guided Measuring Catheter (GMC): Advantages and Challenges
Moshe Y. Flugelman

9:55 AM - Clinical Experiences with the Hansen Medical Catheter Telemanipulation System
Marvin J. Slepian

10:03 AM - The Corindus CORPATH Remote Perfusion Histocentric Intervention System: Clinical Experiences and Future Plans
Peter J. Fitzgerald

10:11 AM - The Heartlander Miniaturized Epicardial Robot to Optimize Heart Failure Therapies
Dwight Meglan

10:18 AM - Moderated Discussion and Q&A
Panel Moderators: Rafael Beyar, David O. Williams
Discussants: Peter J. Fitzgerald, Moshe Y. Flugelman, Dwight Meglan, Patrick W. Serruys, Marvin J. Slepian

NOVEL APPROACHES TO STANDARD DEVICE THERAPIES: ACCESS CLOSURE, EMBOLIC PROTECTION, THROMBECTOMY, AND TRANSESPTAL PUNCTURE
Moderators: Franz Wolfgang Amann, Glenn Van Langenhove

ACCESS CLOSURE
10:26 AM - The Thrus Wound Thermal Sealing Solution to Access Closure: New Design Concepts and Early Clinical Outcomes
Eberhard Grube

10:34 AM - Artasias: A Unique Concept for Arterial Access and Sealing: First-in-Man Clinical Experiences
Adrian A. Ebner

EMBOLIC PROTECTION AND THROMBECTOMY
10:42 AM - The PROTECTOR Device: A Simple System for Embolic Protection in Carotid and SVG Intervention
Richard R. Heuser

10:50 AM - TwinOne: A New Cerebral Protection Device: Experience in 200 Cases
James D. S. Joye

10:58 AM - The Gardia Concept: Integrating Everyday Guidewires with a Modular Embolic Protection Device
Udi Rosenschein

11:06 AM - The Aspiration FUNNEL Catheter: A Simplified and More Effective Approach for Embolectomy and Thrombectomy
James D. S. Joye

11:14 AM - The Lumen FIBERNET Embolic Protection Device: Clinical Experiences During Intervention in the Carotid and Other Vascular Beds
Gary M. Ansel

TRANSESPTAL PUNCTURE
11:22 AM - La-Crosse: New Tools for Intervening in the Left Atrium
Neal L. Egger

11:30 AM - A Novel Transseptal Puncture Device for Precise Localization of Left Atrial Entry
Samir R. Kapadia

11:38 AM - Moderated Discussion and Q&A
Panel Moderators: Franz Wolfgang Amann, Glenn Van Langenhove
Discussants: Gary M. Ansel, Adrian A. Ebner, Neal L. Egger, Richard R. Heuser, Samir R. Kapadia, Udi Rosenschein

THE FOCUS IS ENDOVASCULAR: INNOVATIVE DEVICES AND THERAPIES
Moderators: Lawrence A. Garcia, Lindsay S. Machan

PERIPHERAL STENTS
12:00 PM - Early Clinical Experiences with a New Multilayered Peripheral Stent
Michel Henry

12:08 PM - The IDev Supera Woven Interlocking Nitinol Peripheral Stent: Strength, Flexibility, and Fracture Resistance (Early Clinical Observations)
Roger Gammon

12:16 PM - A New Flexible Stent for Peripheral Vascular Disease
Gary M. Ansel

12:24 PM - Bioerodable and Fracture-Resistant Peripheral Vascular Stents
Robert M. Bersin

AORTIC ENDOGR AFTS
12:32 PM - The Bolton RELAY Thoracic Endograft: A More Anatomically Adaptive Design (Clinical Trial Updates)
Frank J. Criado

12:42 PM - A Self-Expanding Aortic Endograft with Partial Membrane Coverage
Holger Eggebrecht

NEUROVASCULAR THERAPIES
12:50 PM - A New Stent Concept for Exclusion of Cerebral Aneurysms
Lee R. Guterman

12:58 PM - A Catheter System for Selective Cerebral Hypothermia to Treat Acute Ischemic Strokes
Ronald J. Solar

OTHER INNOVATIVE SFA THERAPIES
1:06 PM - Percutaneous AV-Fistula Formation to Treat Severe COPD: Concept, Device Description, and Initial Clinical Experiences
Horst Sievert

1:16 PM - A Directional Excimer Laser Support Catheter to Improve SFA Recanulation: Results from the CELLO Trial
Rajesh M. Dave

1:26 PM - The Ultrasound CROSSER Device for Lower Extremity Occlusive Disease: Interim Results from the Patriot Trial
James D. S. Joye

1:36 PM - Moderated Discussion and Q&A
Panel Moderators: Lawrence A. Garcia, Lindsay S. Machan

DRUG-ELUTING BALLOONS
Moderators: Elazar R. Edelman, Bruno Scheller
1:51 PM - Overview of Paclitaxel-Eluting Balloons to Prevent (And Treat) Restenosis: Experimental Findings, Device Characteristics, Clinical Experiences, and Preview of the Upcoming Late Breaking Registry Reports

Francesco Versaci  
Implantation of restenosis after bare metal stent

Dexamethasone Delivery for the prevention of angioplasty reduces restenosis in Raimund A. Erbel with bare metal stents to reduce Yoram Richter

2:03 PM - A Genistein-Eluting Balloon to Prevent Restenosis: Results from an Animal Feasibility Study

Bradley H. Strauss  
Immunoinhibition of restenosis after stent implantation

2:11 PM - A Paclitaxel-Eluting Angiosculpt Catheter: Device Characteristics and Preliminary Insights on Drug Elution Kinetics

Robert J. Whitbourn  
Antisense therapy in combination with bare metal stents to reduce restenosis: angiographic and IVUS Results from the APPRAISAL First-in-Man Study

2:19 PM - A Paclitaxel-Eluting Balloon (DIO) for Coronary Bifurcation Lesions: Early Clinical Observations

Pieter R. Stella  
5:01 PM - A Paclitaxel-Eluting Balloon (DIO) for Coronary Bifurcation Lesions: Near-to-Complete Angiographic Results

2:27 PM - Moderated Discussion and Q&A

Panel Moderators: Elazer R. Edelman, Imad Sheiban

Discussions: Adam Groothius, Bruno Scheller

Other Anti-Restenosis Therapies

Moderators: Michael C. Fishbein, Mary E. Russell

2:35 PM - Intra-Coronary Infusion of Nanoparticle Albumin-Bound Paclitaxel to Prevent Restenosis: Update from the SNAPIST I and II Clinical Trials

Alexandre Abidzad

2:43 PM - Systemic Infusion of Liposomal Alendronate to Reduce Inflammation and Prevent Restenosis: Lessons Learned from the Bio-Australasia Study

Yoram Richter

2:51 PM - Antisense Therapy in Combination with Bare Metal Stents to Reduce Restenosis: Angiographic and IVUS Results from the APPRAISAL First-in-Man Study

Raimund A. Erbel  
2:59 PM - Tight Glycemic Control After Angioplasty Reduces Restenosis in Diabetes: Results of the STREAM Study

Bradley H. Strauss

3:07 PM - Erythrocyte Mediated Dexamethasone Delivery for the Prevention of Restenosis After Bare Metal Stent Implantation

Francesco Versaci

3:15 PM - Adjunctive COX-2 Inhibitor Therapy Reduces Angiographic Restenosis: Results of the COREA-TAXUS Randomized Clinical Trial

Hyo-Soo Kim

3:23 PM - Moderated Discussion and Q&A

Panel Moderators: Michael C. Fishbein, Mary E. Russell

Discussions: Raimund A. Erbel, Hyo-Soo Kim, Yoram Richter, Bradley H. Strauss, Francesco Versaci

NOVEL DRUG-ELUTING STENTS AND DEVICE ABSTRACTS I

Moderators: Albert E. Raizner, Richard Schatz

Discussions: Duncan H. K. Ho, Nicholas N. Kipshidze, Karl H. Kuck, Tom A. Mabin

3:31 PM - TCT-46: Analysis of Left Main Coronary Artery Bifurcation Lesions Treated with Biolimus-Eluting DEVAX AXXESS Plus Nitinol Self-Expanding Stent: Intravascular Ultrasound Results of the AXXENT Trial

Takao Hasegawa et al

3:46 PM - TCT-47: FIM Results of Cappella Sideguard™ for Treatment of Coronary Bifurcations

Eberhard Grube et al

4:01 PM - TCT-48: The pH Paradox in Humans: Impact of Rapid Restoration of Local Acid Loading on Reperfusion Injury in Acute Myocardial Infarction

Naoto Kino et al

4:16 PM - TCT-49: Infarct Thickening with Hydroxyapatite Gel Attenuates Left Ventricular Remodeling After MI

Liam P. Ryan

NOVEL DRUG-ELUTING STENTS AND DEVICE ABSTRACTS II

Moderators: Michael J. Cowley, Robert J. Whitbourn

Discussions: Jiro Aoki, Greg L. Kaluza, Ross Ptacik, Frederick Welt

4:31 PM - TCT-50: Clinical Outcome Following PCI Using Titanium-Nitride-Oxide Coated Stents in Complex Patients

Stephan Windecker et al

4:46 PM - TCT-51: Short- and Mid-Term Intravascular Ultrasound Analysis of the New ENDEAVOR CR Zotarolimus-Eluting Stent: Insights from the RESOLUTE Trial

Katsuhiro Waseda et al

5:01 PM - TCT-52: Near-to-Complete Short-Term Re-Endothelialization in Sirolimus-Eluting DES Using Electro-Grafting Technology (eG™)

Renu Virmani et al

5:16 PM - TCT-53: Twelve Month Clinical Outcomes Post Absorbable Metal Stent Implantation in Human Coronary Arteries: Results from the PROGRESS Study

Ron Waksman et al

A POTPOURRI OF INNOVATIVE DEVICES AND FUTURISTIC THERAPIES

Moderators: Aaron V. Kaplan, Martin T. Rothman

5:31 PM - Rhythm-Independent Percutaneous Cardiac Support

Martin T. Rothman

5:39 PM - The LUCAS Chest Compression System for Intra-Procedure CPR

Goran K. Olivecrona

5:47 PM - Transcatheter Delivery of a Novel Alginete-Based Myocardial Implant for Infarct Repair

Jonathan Leon

5:55 PM - EPITEK: Intra-Pericardial Videoscopic Left Atrial Appendage Exclusion Using a Trans-Epicardial Snare

Aaron V. Kaplan

6:03 PM - The Neovasc Coronary Sinus REDUCER for Refractory Ischemia: Clinical Trial Update and Future Plans

Keyr H. Parikh

6:13 PM - Transcatheter Renal Therapy Using the Benepath Catheter to Prevent Contrast-Induced Nephropathy: Update of Clinical Trials

Gora Weisz

6:23 PM - Moderated Discussion and Q&A

Panel Moderators: Aaron V. Kaplan, Martin T. Rothman

Discussions: Jonathan Leon, Goran K. Olivecrona, Keyr H. Parikh, Horst Sievert, Gora Weisz

6:40 PM - Adjourn

IVUS AND PHYSIOLOGIC LESION ASSESSMENT WORKSHOP: APPLICATIONS IN THE DES ERA

8:00 AM-6:05 PM

Room 147AB

IVUS BASICS

Moderators: Gary S. Mintz, Neil J. Weissman

8:00 AM - How to Optimize Image Acquisition and Minimize Artifacts

Neil J. Weissman

8:12 AM - How to Measure and Report IVUS Results

Akiko Maehara

8:24 AM - Recognizing IVUS Artifacts

Gary S. Mintz
IVUS PRE-INTERVENTION ASSESSMENT
Moderators: John McB. Hodgson, Gary S. Mintz
8:36 AM - Assessing Intermediate Lesions by IVUS: How to and How Accurate?
Andrea Abizaid
8:48 AM - The Necessity of Assessing Left Main Lesions by IVUS
Massoud A. Leesar
9:00 AM - Qualitative Lesion Assessment by IVUS: Aneurysms, Filling Defects, Hazy Lesions, and Beyond
Akiko Maehara
9:12 AM - Utility (and Safety) of IVUS in Acute Coronary Syndromes
Rainer Hoffmann
9:24 AM - TCT-38: Plagiotrauma Induced Regression and Shift in Plaque Composition in Coronary Atherosclerosis: Insight from an Intravascular Ultrasound Analysis
Fabrizio Clementi
9:39 AM - Case Presentations: Stump the Panel: Intermediate Lesions, Left Main Lesions, and Oddities
Case Presenter: John McB. Hodgson
Discussants: Ricardo A. Costa, Junbo Ge, Stuart T. Higano, Rainer Hoffmann, Fabrizio Clementi, Ioannis Iakovou, Akiko Maehara
10:24 AM - Assessing Plaque Composition: Virtual Histology, IB-IVUS, and OCT
Stephanie G. Carrier
10:39 AM - Moderated Discussion and Q&A
Panel Moderators: John McB. Hodgson, Gary S. Mintz
Discussants: Andrea Abizaid, Stephanie G. Carrier, Rainer Hoffmann, Massoud A. Leesar, Akiko Maehara

IVUS INTERVENTIONAL GUIDANCE I
Moderators: Peter J. Fitzgerald, Jonathan M. Tobis
10:54 AM - Use of IVUS to Optimize Bare Metal Stents
Neil J. Weissman
11:09 AM - Use of IVUS to Optimize Drug-Eluting Stents: Different Than Bare Metal Stents?
Peter J. Fitzgerald
11:24 AM - IVUS Assessment of Post-Intervention Complications (other Than Stent Thrombosis and Restenosis)
Clemens von Birgelen
11:36 AM - IVUS Assessment of the Causes of Drug-Eluting Stent Restenosis
Akiko Maehara
11:48 AM - IVUS Assessment of the Causes of Drug-Eluting Stent Thrombosis
Marco A. Costa
12:00 PM - TCT-39: Yellow Plaques Remain After Sirolimus-Eluting Stent Implantation: Angioscopic Comparison with Bare Metal Stents
Masaki Awata et al
12:15 PM - Break

IVUS INTERVENTIONAL GUIDANCE II
Moderators: John McB. Hodgson, Gary S. Mintz
1:00 PM - Case Presentations: Stump the Panel: IVUS Guided Stenting, and Complications
Case Presenter: Jonathan M. Tobis
Discussants: Takashi Akasaka, Costantino R. Costantini, Junbo Ge, Rainer Hoffmann, Amir Lerman, Gilles Rioufol
1:45 PM - Moderated Discussion and Q&A
Panel Moderators: John McB. Hodgson, Gary S. Mintz
Discussants: Andrea Abizaid, Massoud A. Leesar, Akiko Maehara, Neil J. Weissman

THE BASICS OF PHYSIOLOGIC LESION ASSESSMENT
Moderators: Bernard De Bruyne, Massoud A. Leesar
2:00 PM - A Primer on Coronary Physiology for the Interventionalist
Bernard De Bruyne
2:15 PM - Fractional Flow Reserve: Concept and Practical Setup
Nico H. J. Pijs
2:27 PM - Hyperemic Stimuli: Why and How?
Morton J. Kern
2:39 PM - FFR and Angiography: Combining Anatomy and Perfusion
John McB. Hodgson
2:51 PM - FFR Pitfalls and Artifacts
Nico H. J. Pijs
3:03 PM - TCT-40: First Results of a New Method for Angiographic Calculation of Coronary Flow Reserve
Harald Rittger et al
3:18 PM - Investigating the Microcirculation: IMR and Absolute Flow
William F. Fearon
3:30 PM - Moderated Discussion and Q&A
Panel Moderators: Bernard De Bruyne, Massoud A. Leesar

FFR IN SPECIFIC SETTINGS
Moderators: Morton J. Kern, Nico H. J. Pijs
3:45 PM - FFR for Left Main Disease
William F. Fearon
3:57 PM - FFR in Acute Coronary Syndromes
Takashi Akasaka
4:09 PM - FFR in Multivessel Disease and Bifurcations
Nick Curzen
4:21 PM - TCT-41: A Flow-Guided Concept to Treat Side Branches in True Bifurcation Lesions: A Randomized Clinical Study (Thueringer Bifurcation Study, THUeBIS-Study)
Hubertus von Korn et al
4:36 PM - FFR Case Reviews: Stump the Panel
Case Presenter: Michael J. Lim
Discussants: Stephanie G. Carrier, Stuart T. Higano, Simon Redwood, Expedito E. Ribeiro, Clemens von Birgelen, Gerald S. Werner
5:21 PM - Moderated Discussion and Q&A
Discussants: Nick Curzen, William F. Fearon

PRACTICALITIES AND IMPACT OF FFR
5:36 PM - Clinical Outcomes After FFR-Based Decision Making
Nico H. J. Pijs
5:51 PM - Diagnostic Work-Up of Patients with Suspected CAD: A Paradigm Shift
Morton J. Kern
6:05 PM - Adjourn

16TH ANNUAL NURSE AND TECHNOLOGIST SYMPOSIUM
8:00 AM-4:05 PM
Ballroom A, Level 3
Directors: Marian C. Hawkey, Alexandra J. Lansky, Thomas H. Maloney, Hilary Nierenberg
Co-Directors: Russell A. Brandwein, Mary K. Egan, Jessica Forman, Michael Guiry, Alexandra J. Lansky, Thomas H. Maloney
8:00 AM - Introduction and Welcome
Marian C. Hawkey
8:10 AM - Keynote Presentation: Drug-Eluting Stent Controversies: Evidence Based Medicine or Medicine by Media
Gregg W. Stone
INTERVENTIONAL CARDIOLOGY 2007: SOUND BITES AND DISCUSSION
Moderator: Marian C. Hawkey
Discussants: Todd Chitwood, Howard L. Haronian, Hilary Nierenberg, Beth A. Oliver, Mathew Williams
8:40 am - The Future of Interventional Vascular Medicine: Big Picture Perspective
Howard L. Haronian
8:43 am - Top Priorities for Change and Improvement
Beth A. Oliver
8:46 am - Credentialing of Cardiac Catheterization Laboratory Staff
Todd Chitwood
8:49 am - Issues Associated with Antiplatelet Therapy Compliance
Hilary Nierenberg
8:52 am - Cardiac Catheterization Laboratory Cross-Dressing: The Cardiothoracic Surgeon and Interventional Cardiologist
Mathew Williams
8:55 am - Discussion and Closing Comments
Panel Moderator: Marian C. Hawkey
Discussants: Todd Chitwood, Howard L. Haronian, Hilary Nierenberg, Beth A. Oliver, Mathew Williams

CROSS-DRESSING: THE CARDIOVASCULAR SURGEON
by Todd Chitwood

9:20 am - The Case for Unique Invasive Imaging Modalities (IVUS, OCT, IVCM)
Mireya Reilly, Vivian Tamara
9:34 am - Surgical Perspective: When Is Surgery Appropriate?
Mark W. Connolly
9:41 am - Angioplasty Perspective: When Are Drug-Eluting and Bare Metal Stents Appropriate?
David A. Cox
9:48 am - Final Case Result and Discussion

CARDIAC CATHETERIZATION LABORATORY AND CONGESTIVE HEART FAILURE: NO LONGER JUST A RIGHT HEART CATH!
Moderator: Marc Klapholz
Discussants: Russell A. Brandwein, Jose Dizon, Margaret A. Flannery, Simon Krivor, Vivian Tamara
10:00 am - Case Presentation
Marc Klapholz
10:02 am - Overview of Congestive Heart Failure Management
Marc Klapholz
10:10 am - New Device Therapies for Heart Failure (Fiber Optic Balloon Pump, Temporary Ventricular Assist Devices)
Russell A. Brandwein
10:17 am - Technologist Considerations During Device Implants
Simon Krivor
10:22 am - Nursing Care of the Patient Post-Device Implant
Vivian Tamara
10:27 am - Biventricular Pacing: Intraoperative Defibrillator Implantation
Jose Dizon
10:33 am - Left Ventricular Assist Devices/ Cardiac Heart Transplant
Margaret A. Flannery
10:40 am - Final Case Result and Discussion

NONINVASIVE IMAGING IN AN INVASIVE WORLD
Moderator: Christopher M. Nelson
Discussants: Mohit Bhasin, Todd Chitwood, Edward T. Martin, Michael Poon, Robert S. Schwartz
10:50 am - Case Presentation and ARS Session
Christopher M. Nelson
10:55 am - The Case for CTA
Michael Poon
11:02 am - The Case for MRA
Edward T. Martin
11:09 am - The Case for PET
Mohit Bhasin
11:16 am - The Case for Unique Invasive Imaging Modalities (IVUS, OCT, IVCM)
Robert S. Schwartz
11:23 am - Patient Care Considerations for CT/MRA/PET
Todd Chitwood
11:30 am - Final Case Result and Discussion

ENDOVASCULAR GRAFTING OF THE AORTA: IDENTIFICATION OF THE ENDOGRAFT CANDIDATE
Moderator: Mathew Williams
Discussants: Jessica Forman, William A. Gray, Sheehan L. Raab, Allan S. Stewart, Abigail Woglom
11:40 am - Patient Care Perspectives
Jessica Forman
11:45 am - Case Presentation
Mathew Williams
11:48 am - Open Surgical Repair vs. Endovascular Repair: General and Patient-Specific Considerations: Surgical Perspectives
Allan S. Stewart
11:58 am - Open Surgical Repair vs. Endovascular Repair: General and Patient Specific Considerations: Endovascular Perspectives
William A. Gray
12:08 pm - Final Case Result and Discussion
12:16 pm - Cardiac Catheterization Lab Considerations for Aortic Endografting
Sheehan L. Raab
12:24 pm - Postcare Considerations for Aortic Endografting
Abigail Woglom
12:30 pm - Lunch Pick-Up

CONCURRENT LUNCH SESSIONS
12:45 pm - 2:30 pm

I: TOOLS FOR THE EFFECTIVE MANAGEMENT OF CARDIOVASCULAR DISEASE
Organized in Collaboration with the Preventive Cardiovascular Nurses Association (PCNA)
Room 201
Moderator: Hilary Nierenberg
Discussants: Marian C. Hawkey, Nancy Houston Miller, Barrie J. Huberman, Patricia E. Knipper, Lisa Mainieri
12:45 pm - Welcome and Introduction
Hilary Nierenberg
12:50 pm - Staging of Heart Failure: Implications for Patients with Coronary Artery Disease
Marian C. Hawkey
1:05 pm - Smoking Cessation: Tools for Effective Bedside Counseling
Barrie J. Huberman
1:20 pm - Weight Reduction Strategies
Patricia E. Knipper

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1:35 PM - Cardiovascular Risk Factor Management: Link to Pay for Performance
Hilary Nierenberg

1:45 PM - Educating the Cardiovascular Patient
Lisa Mainieri

2:00 PM - PCNA: Review of Online Resources and Tools for Cardiovascular Risk Factor Management
Nancy Houston Miller

2:15 PM - Moderated Discussion and Q&A
Panel Moderator: Hilary Nierenberg
Discussants: Marian C. Hawkey, Nancy Houston Miller, Barrie J. Huberman, Patricia E. Knipper, Lisa Mainieri

II: Cardiac Catheterization Laboratory 101: Back to the Basics
Room 204ABC
Moderator: Mary K. Egan

12:45 PM - Essentials of Hemodynamics
Mark A. Apfelbaum

1:10 PM - Fundamentals of Cardiac Catheterization Laboratory Nursing Care
Bernadette Reilly

1:20 PM - Cardiac Catheterization Laboratory Crises: Integrated Management Strategies
Mary K. Egan, Christopher M. Nelson

1:45 PM - Cardiac Catheterization Laboratory Preparation: Anticipating the Worst Case Scenario
Michele Dondero

2:00 PM - Interventional Cardiology Jeopardy
Moderator: Russell A. Brandwein

III: Registered Cardiovascular Invasive Specialists (RCIS) Review Course
Highlights
Organized by the Society of Invasive Cardiovascular Professionals (SICP)
Room 206
Moderator: Thomas H. Maloney

12:45 PM - Introduction: SICP Role in Exam Preparation
Todd Chitwood

12:55 PM - Cardiovascular Anatomy and Physiology
Darren Powell

1:20 PM - Hemodynamics with Calculations
Jeff Davis

1:45 PM - Twelve Lead EKG Interpretation
Jeff Davis

2:05 PM - Cardiovascular Pharmacology with Calculations
Darren Powell

2:25 PM - Sample RCIS Test Questions and Answers
Thomas H. Maloney

IV: The Cardiac Service Line: Current and Future Trends
Room 209ABC
Moderator: Michael Guiry
Discussants: Larry S. Dean, Glenna Friedman, Richard H. Gemming, Anand Joshi, Charanjit S. Rihal

12:45 PM - Welcome and Introduction
Michael Guiry

12:50 PM - Economics: Analysis and Forecasting the Cardiovascular Market
Larry S. Dean

1:05 PM - New Technology: Capital Investments for the 21st Century Cardiac Service Line
Charanjit S. Rihal

1:20 PM - Solutions for Maximizing Productivity and Efficiency
Anand Joshi

1:35 PM - Clinical Documentation and Coding to Maximize Reimbursement Potential
Glenna Friedman

1:55 PM - The Cardiac Service Line: Achieving a “Sustainable Competitive Advantage”
Richard H. Gemming

2:10 PM - Moderated Discussion and Q&A
Panel Moderator: Michael Guiry
Discussants: Larry S. Dean, Glenna Friedman, Richard H. Gemming, Anand Joshi, Charanjit S. Rihal

HOT TOPICS 2007
Moderators: Russell A. Brandwein, Thomas H. Maloney

2:45 PM - Point/Counterpoint: Appropriate Treatment of Carotid Artery Disease, “He Says, She Says”
Anthony J. Galeo, Amy Elizabeth Martin

3:05 PM - Antiplatelet Therapy: Who, How Much, and How Long
Deepak L. Bhatt

3:20 PM - Cardiac Catheterization Laboratory Catastrophes
Jeffrey J. Popma

3:35 PM - Advanced Techniques for Angioplasty
Jeffrey W. Moses

3:50 PM - Featured Lecture: Perspectives on 30 Years of Coronary Angioplasty
David O. Williams

4:05 PM - Networking Reception

PERIPHERAL VASCULAR INTERVENTION: EVALUATION AND THERAPEUTIC OPTIONS
8:00 AM-6:30 PM
Room 202A
Chairs: William A. Gray, Issam D. Moussa

ILIAC AND SFA INTERVENTION I
Moderators: Gary M. Ansel, Giancarlo Biamino

GENERAL CONSIDERATIONS
8:00 AM - Non-Invasive Diagnosis and Management of the Patient with Lower Extremity Peripheral Arterial Disease
Jeffrey W. Olin

8:15 AM - Device Selection for SFA Intervention: Evidence-Based Medicine and Development of Objective Performance Criteria
Krishna Rocha-Singh

CHRONIC TOTAL OCCLUSIONS
8:35 AM - Optimizing SFA CTO Outcomes
Using Available Technology: Guidewires, Blunt Microdissection, Lasers, and Optical Coherence Reflectometry with Microwave Ablation
Tony Das

8:50 AM - Tricks, Tools, and Complications of False to True Lumen Reentry
Issam D. Moussa

EMBOLIC PROTECTION
9:05 AM - Is There a Role for Embolic Protection Devices in Ilio-Femoral Intervention?
Mahmood K. Razavi

9:15 AM - Moderated Discussion and Q&A
Panel Moderators: Gary M. Ansel, Giancarlo Biamino
Discussants: Issam D. Moussa, Jeffrey W. Olin, Mahmood K. Razavi, Krishna Rocha-Singh

ILIAC AND SFA INTERVENTION II
Moderators: Erich Minar, Thomas M. Shimshak

EMERGING CLINICAL TRIAL DATA AND REGISTRY OUTCOMES
9:35 AM - A Multicenter Randomized Prospective Study of Abciximab Use in TASC D Femoropopliteal Lesions: The RIO Trial Results
Iris Baumgartner

9:50 AM - Head-to-Head Comparison of Two SFA Stents: Outcomes of the SUPER-SL Study
Dierk Scheinert
10:05 AM - Debubbling and Stent-Grafts for SFA Stent Restenosis: The SALVAGE Trial
John R. Laird, Jr

NOVEL, ADJUNCTIVE, AND ALTERNATIVE SFA THERAPIES
10:20 AM - The “Dark-Side” of SFA Stenting: Frequency, Presentation, and Management of Restenosis
Erich Minar
10:35 AM - Pros, Cons, and Unknowns of Atherectomy as an Adjunct to SFA Intervention
Gary M. Ariel
10:50 AM - Design Specifications for the “Perfect” SFA Stent
Roger Gammon
11:05 AM - Injatable Adventitial Therapy: Concept, Enabling Devices, and Preclinical Results
William A. Gray
11:20 AM - PATHWAY Medical: Multicenter Evaluation of a Novel Atherectomy Device in SFA Lesions
Thomas Zeller
11:35 AM - The Evolution of SFA Drug-Eluting Stents: From SIROCCO to Zilver Michael D. Dake
11:50 AM - SFA Percutaneous Bypass: Description and Early/Late Results
James D. Joye

ENDOVASCULAR ABSTRACTS
Moderators: Mark W. Burket, James F. McKinsey Discussants: Tyrone J. Collins, Hans Frankenfield, Michael J. Rinaddi, Peter A. Soukas
12:25 PM - TCT-42: The PATRIOT (Peripheral Approach to Recanalization in Occluded Tots) Study Results
James D. Joye et al
12:40 PM - TCT-43: Renal Angioplasty and Stenting Under Protection: Limitations, First Human Study with a 3-D Filter: The Fibeferon
Michel Henry et al
12:55 PM - TCT-44: Endovascular Repair of Thoracic Aortic Aneurysms and Symptomatic Type B Dissections in High-Risk Nonsurgical Patients: Results of a Single-Center Study Joaquin Solis et al

1:10 PM - TCT-45: Chronic Mesenteric Ischemia: Experience with PTA/Stenting in Celiac and SMA Disease in 99 Patients
David E. Allie et al

CRITICAL LIMB ISCHEMIA AND INFRA-POPPLITEAL INTERVENTION
Moderators: Issam D. Moussa, Patrick J. Peeters
1:25 PM - Diagnostic Approaches to Critical Limb Ischemia and Infra-Popliteal Disease
David E. Allie
1:40 PM - A Critical Appraisal of Endovascular and Surgical Approaches in Critical Limb Ischemia
Anthony J. Comorota
1:55 PM - Self-Expanding Nitinol Stents for Infra-Popliteal/Critical Limb Disease: Mid-Term Results from the XCELL Trial
James D. Joye
2:10 PM - Drug-Eluting Stents for Infra-Popliteal Disease: Current Data Synthesis, Lessons Learned, and Future Directions
Lindsey S. Machan
2:25 PM - Orbital Atherectomy for Infra-Popliteal Disease: Device Concept and Outcomes to Date
Robert D. Safian
2:40 PM - Outcomes Using a Scoring Balloon in Infra-Popliteal Disease: Acute and Long Results from the AngiSculpt Registry
Gary Gershony
2:55 PM - Case Study: Wound Management in Critical Limb Ischemia
Michael R. Jaff

THORACIC AND ABDOMINAL ENDOGRAFT REPAIR
Moderators: Jacques Busquet, Christoph A. Nienaber
3:25 PM - A Triumph of Technology Over Surgery? Summary of AAA EVAR and View of Future Opportunities
Juan C. Parodi
3:40 PM - The Case for EVAR Treatment of Small AAA: Theoretical and Clinical Drivers
Roger M. Greenhalgh

3:55 PM - Endografts for Thoracic Aortic Aneurysms: Technical Challenges to Device Development
Takao Ohki
4:10 PM - Is TEVAR for Dissection Justified? Results from the IRAD Registry and the INSTEAD Trial
Michael L. Marin
4:25 PM - Hybrid Surgical and Endograft Approaches to Aortic Arch Disease
Ailan S. Stewart

RENALE ARTERY INTERVENTION
Moderators: Kenneth Rosenfield, Christopher J. White
4:40 PM - Current US Outcomes in Renal Stenting: THE SOCRATES Trial
Mark C. Bates
4:55 PM - A European Non-Randomized Case-Controlled Assessment of Patient Outcomes After Renal Artery Stenting Thomas Zeller
5:10 PM - Proprocedural Predictors of Favorable Clinical Responses to Renal Stenting: Optimizing Patient Selection
Christopher J. White
5:25 PM - Intra-Procedural Assessment Techniques of Renal Stenosis Severity
Massoud A. Leesar
5:40 PM - Randomized Outcome Data in Renal Stenting: The RESIST Trial
Christopher J. Cooper
5:55 PM - Medicare Coverage for Renal Stenting: Carotid Stenting Redux?
John H. Rundback
6:10 PM - Moderated Discussion and Q&A Panel Moderators: Kenneth Rosenfield, Christopher J. White Discussants: Mark C. Bates, Christopher J. Cooper, Massoud A. Leesar, John H. Rundback, Thomas Zeller
6:30 PM - Adjourn

THE VALVULAR HEART DISEASE SUMMIT
8:00 AM-7:00 PM Room 202B

MITRAL REGURGITATION: CORE CONCEPTS
Moderators: Robert O. Bonow; Allan Schwartz
8:00 AM - Understanding the Pathology of Mitral Regurgitation in Varying Disease States: Heart Failure, Ischemia, and Prolapse
David H. Adams
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8:10 AM - A Physiology Primer of Mitral Regurgitation
Allan Schwartz

8:20 AM - Assessment of Mitral Regurgitation with Echocardiography: Qualitative vs. Quantitative Methods and Scales, Artifacts, and Prognostic Implications
Maurice E. Sarano

8:32 AM - Assessment of Mitral Regurgitation with Magnetic Resonance: A New Gold Standard?
Steven D. Wolff

8:42 AM - Moderated Discussion and Q&A
Panel Moderators: Robert O. Bonow, Allan Schwartz
Discussions: David H. Adams, Robert J. Lederman, Maurice E. Sarano, Steven D. Wolff

SURGICAL APPROACHES TO MITRAL REGURGITATION
Moderators: Steven F. Bolling, Lars G. Svensson

8:52 AM - Indications for Surgery of the Regurgitant Mitral Valve: Summary of the New Guidelines
Robert O. Bonow

9:04 AM - Surgical Techniques I: Annuloplasty (Edited Video Case Review)
Lars G. Svensson

9:14 AM - Surgical Techniques II: Leaflet and Chordal Repair (Edited Video Case Review)
Didier F. Loulmet

9:24 AM - Surgical Techniques III: Edge-to-Edge Repair (Edited Video Case Review)
Ottavio Alfieri

9:34 AM - Critical Appraisal of Surgical Repair I: Freedom from Death and MR/Reoperation After MR Surgery for Prolapse/Degenerative Disease
Francesco Maisano

9:44 AM - Critical Appraisal of Surgical Repair II: Freedom from Death and MR Recurrence/Reoperation After MR Surgery in Heart Failure and Ischemic Heart Disease
Steven F. Bolling

9:54 AM - Limitations of Surgical Repair of Ischemic Mitral Regurgitation
Patrick Perier

10:04 AM - Surgical Outcomes with the Coapsys System
Todd K. Rosengart

10:14 AM - Moderated Discussion and Q&A
Panel Moderators: Steven F. Bolling, Lars G. Svensson
Discussions: Ottavio Alfieri, Robert O. Bonow, Didier F. Loulmet, Francesco Maisano, Patrick Perier, Todd K. Rosengart

PERCUTANEOUS MITRAL VALVE REPAIR AND REPLACEMENT: OVERVIEW AND THE CORONARY SINUS APPROACH
Moderators: Ted Feldman, John G. Webb

10:29 AM - Pivotal Clinical Trial Design Considerations for Percutaneous Devices for (a) Organic Mitral Valve Disease and (b) Functional Mitral Regurgitation
Julie A. Swain

10:41 AM - Coronary Sinus Anatomy in the MR Population: Implications for Percutaneous Sinoplastic Repair
Raj Makkar

10:51 AM - Coronary Sinus Annuloplasty Procedure, Results, and Complications: Edwards MONARC
Alex Vahanian

11:01 AM - Coronary Sinus Annuloplasty Procedure, Results, and Complications: Cardiac Dimensions CARILLON
Joachim Schofer

11:11 AM - Coronary Sinus Annuloplasty Procedure, Results, and Complications: Viacor
Stephen G. Ellis

11:21 AM - Moderated Discussion and Q&A
Panel Moderators: Ted Feldman, John G. Webb
Discussions: Stephen G. Ellis, Raj Makkar, Joachim Schofer, Julie A. Swain, Alex Vahanian

PERCUTANEOUS MITRAL VALVE REPAIR AND REPLACEMENT: EDGE TO EDGE
Moderators: Ted Feldman, John G. Webb

11:36 AM - Mitral Leaflet Repair with the MitraClip: EVEREST Trials Update
Ted Feldman

11:48 AM - Suture Mediated Edge-to-Edge Repair Post Mortem
Maurice Buchbinder

11:58 AM - Moderated Discussion and Q&A
Panel Moderators: Ted Feldman, John G. Webb
Discussions: Maurice Buchbinder

PERCUTANEOUS MITRAL VALVE REPAIR AND REPLACEMENT: DIRECT ANNULOPLASTY
Moderators: Ted Feldman, Jan Harnek

12:08 PM - Direct Annuloplasty: Mitraclip: Device Evolution, Technique, and First-in-Man Results
Ted Feldman

12:16 PM - Direct Annuloplasty: Guided Delivery Systems: Device Evolution, Technique, and First-in-Man Results
Didier F. Loulmet

12:24 PM - Direct Annuloplasty: Quantum Cor: Device Evolution, Technique, and First-in-Man Results
Richard R. Heuser

12:32 PM - Dynamic Mitral Valve Ring Annuloplasty: The Micardia Concept
Maurice Buchbinder

12:40 PM - Moderated Discussion and Q&A
Panel Moderators: Ted Feldman, Jan Harnek
Discussions: Maurice Buchbinder, Richard R. Heuser, Didier F. Loulmet

PERCUTANEOUS MITRAL VALVE REPAIR AND REPLACEMENT: OTHER APPROACHES
Moderators: Ted Feldman, Jan Harnek

12:48 PM - Indirect Annuloplasty, Ample PS3: Device Evolution, Technique, and First-in-Man Results
Jason H. Rogers

12:58 PM - Transpericardial Chamber and Annulus Therapy: Myocor iCoapsys
Wesley R. Pedersen

1:08 PM - Rationale for and Progress with Catheter-Based Mitral Valve Replacement: Endovale
Howard C. Herrmann

1:18 PM - Other Novel Mitral Regurgitation Repair Approaches on the Horizon
Peter J. Fitzgerald

1:28 PM - Moderated Discussion and Q&A
Panel Moderators: Ted Feldman, Jan Harnek
Discussions: Peter J. Fitzgerald, Wesley R. Pedersen, Jason H. Rogers

Pulmonic Valve Therapies
Moderators: Eric Horlick, Carlos E. Ruiz

1:38 PM - Percutaneous Pulmonic Valve Replacement (Medtronic): Device Description and Updated Clinical Results
Philipp Bonhoeffer
1:50 PM - Percutaneous Pulmonic Valve Replacement (Medtronic): Early US experiences
William E. Hellenbrand
1:58 PM - Percutaneous Pulmonic Valve Replacement (Edwards): Device Description and Updated Clinical Results
Ziyad M. Hijazi
2:06 PM - Moderated Discussion and Q&A
Panel Moderators: Eric Horlick, Carlos E. Ruiz
Discussants: Philipp Bonhoeffer, William E. Hellenbrand, Ziyad M. Hijazi

Aortic Stenosis: Core Concepts and Classic Surgical Results
Moderators: Robert O. Bonow, Michael J. Mack
2:12 PM - The Pathology of Calcific and Bicuspid Aortic Stenosis: Implications for Implantation of a Percutaneous Prosthesis
David H. Adams
2:22 PM - Epidemiology, Natural History, and Surgical Treatment of Aortic Stenosis
Lars G. Svensson
2:32 PM - Patient Selection for Intervention in Aortic Stenosis and Insufficiency: Guideline Update
Robert O. Bonow
2:42 PM - Comparison and Accuracy of Scoring Systems to Assess Surgical Risk: STS vs. Standard and Logistic Euroscore
Michael J. Mack
2:52 PM - In-Hospital Complications and Long-Term Survival After Surgical Aortic Valve Replacement in Low-, High-, and Ultra High-Risk Patients
Allan S. Stewart
3:04 PM - Moderated Discussion and Q&A
Panel Moderators: Robert O. Bonow, Michael J. Mack
Discussants: David H. Adams, Allan S. Stewart, Lars G. Svensson

TRANSCATHETER AORTIC VALVE REPLACEMENT: OVERVIEW AND WIDELY STUDIED DEVICES
Moderators: Martin B. Leon, Friedrich W. Mohr
3:19 PM - Pivotal Clinical Trial Design Considerations for Percutaneous Devices for Aortic Stenosis in the (a) Ultra High-Risk Patient and (b) the Less High-Risk Patient
Julie A. Swain
3:31 PM - Emerging Concepts of Aortic Valve and Aortic Root Imaging with Multidetector CT
Paul Schoenhagen
3:41 PM - The Inspiration for Percutaneous Aortic Valve Replacement
Henning Rud Andersen
3:51 PM - Generational Advances of the Edwards Balloon Expandable Aortic Valve Prosthesis
Alain G. Cribier
4:01 PM - Percutaneous Approach with the Edwards Balloon Expandable Aortic Valve Prosthesis: Comprehensive Global Report of Acute Success, Complications, and Long-Term Results
Martin B. Dewey
4:16 PM - The PARTNER Pivotal Trial: Design and Recruitment Status
Susheel Kodali
4:21 PM - Transapical Approach with the Edwards Balloon Expandable Aortic Valve Prosthesis: Comprehensive Global Report of Acute Success, Complications, and Long-Term Results
Todd M. Dewey
4:33 PM - Real-Time MRI Guided Transapical Aortic Valve Replacement
Keith A. Horvath
4:43 PM - Generational Advances of the CoreValve Self-Expanding Aortic Valve Prosthesis
Ulrich Gerckens
4:53 PM - Comprehensive Global Report of Acute Success, Complications, and Long-Term Results with the CoreValve Self-Expanding Aortic Valve Prosthesis
Jean-Claude Laborde
5:03 PM - Creative Vascular Access Solutions for Patients with Severe Peripheral Vascular Disease
Eric E. Roselli
5:18 PM - Moderated Discussion and Q&A
Panel Moderators: Martin B. Leon, Friedrich W. Mohr
Discussants: Henning Rud Andersen, Alain G. Cribier, Todd M. Dewey, Ulrich Gerckens, Keith A. Horvath, Jean-Claude Laborde, Eric E. Roselli, Paul Schoenhagen, Julie A. Swain

Transcatheter Aortic Valve Replacement: Next Generation Devices
Moderators: Alain G. Cribier, Jan Kovac
5:38 PM - Sadra: Design and First-in-Man Experiences with a Repositionable, Self-Expanding Percutaneous Aortic Valve
Eberhard Grube
5:46 PM - Direct Flow: Design and First-in-Man Experiences with an Inflatable, Cuff-Supported Percutaneous Aortic Valve
Peter C. Block
5:54 PM - Aorta: Final Design and Directions for a Folded, Rolled, Repositionable Percutaneous Aortic Valve
Louis A. Cannon
6:02 PM - Advanced Bioprosthetic Surfaces: Nanotechnology Nitinol Aortic Valve Replacement Technology
Steven R. Bailey
6:10 PM - Endoluminal Technology Research: A Low Profile Aortic Valve Replacement System
David Paniagua
6:18 PM - The Jena Valve Low Profile “Clip-On” Transcatheter Aortic Valve Replacement Concept
Hans R. Figulla
6:26 PM - The HTV Low-Profile Transcatheter Aortic Valve Replacement System
Robert Wilson
6:34 PM - Who Needs a Prosthesis? Radiation Following Balloon Valvuloplasty (And RADAR Pivotal Trial Update)
Wesley R. Pedersen
6:42 PM - Moderated Discussion and Q&A
Panel Moderators: Alain G. Cribier, Jan Kovac
7:00 PM - Adjourn

EVENING SYMPOSIA
8:00 PM-10:00 PM
Refer to pages 98-99 for complete program schedule.

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BREAKFAST MEETINGS
7:00 AM-8:00 AM
Refer to pages 99-101 for complete program schedule.

PHYSICIAN TRAINING CENTER
10:00 AM-5:00 PM
Lower Level

Hands on Hearts, Specialty Device Training, TeachImage™
Refer to pages 96-97 for details.

MAIN ARENA
7:45 AM-6:30 PM
Ballrooms ABC, Level 3

PLENARY SESSION 1: TCT CROSSFIRE
Moderators: Martin B. Leon, Gregg W. Stone
7:45 AM - The Journey of Percutaneous Cardiovascular Intervention: From Empiricism to Evidence-Based Medicine, From Balloons to Innovative Biotech Devices: The Next Challenges?
Martin B. Leon, Gregg W. Stone

PLENARY SESSION 2: TCT SPECIAL SESSION
Moderators: Martin B. Leon, Gregg W. Stone
8:15 AM - A Celebration of 30 Years of PCI Featuring Dolf Bachmann, Who Underwent the World’s First Coronary angioplasty on September 16, 1977
Spencer B. King III, Martin B. Leon, Bernhard Meier, Gregg W. Stone

PLENARY SESSION 3: LIVE CASE SESSION I
Moderator: Martin B. Leon
Co-Moderator: Rafael Beyar
Live Case Discussants: Gary M. Ansel, J. Michael Bacharak, Tony Das, Stephen G. Ellis, Adnan Kastrati, Stuart T. Higano, Jean Marco, Laura Mauri, Stuart J. Pocock, Patrick W. Serruys, Alan C. Yeung
8:30 AM - Instituto Dante Fazzanese de Cardiologia
9:00 AM - CardioVascular Center Frankfurt
9:30 AM - Fu Wai Hospital
10:00 AM - Columbia University Medical Center

PLENARY SESSION 4: LATE BREAKING CLINICAL TRIALS I
Moderator: Martin B. Leon, Gregg W. Stone
"BLOCKBUSTER" TRIAL OF THE DAY: ENDEAVOR 4
10:30 AM - An Evidence-Based Medicine Assessment of Drug-Eluting Stents: Safety and Efficacy for “On-Label” and “Off-Label” Clinical Indications
Gregg W. Stone
10:50 AM - ENDEAVOR 4: A Randomized Comparison of a Zotarolimus-Eluting Stent and a Paclitaxel-Eluting Stent in Patients with Coronary Artery Disease: 8-Month Angiographic and 9- and 12-Month Clinical Results
Martin B. Leon
11:05 AM - Critical Appraisal of the ENDEAVOR 4 Trial
Patrick W. Serruys
11:10 AM - Panel Discussion
Panel Moderator: Gregg W. Stone
11:30 AM - ISAR-TEST-3: A Prospective, Randomized Comparison of Sirolimus-Eluting Stents Using a Durable Polymer, a Bio-Absorbable Polymer, and No Polymer: 9-Month Clinical and Angiographic Results
J ulinda Mehilli
11:42 AM - Critical Appraisal of the ISAR-TEST-3 Trial
Jeffrey J. Popma
11:45 AM - ARMYDA-4: A Prospective, Double-Blind, Randomized Trial Evaluating a 600 mg Clopidogrel Loading Dose Prior to PCI in Patients with Chronic Clopidogrel Therapy
Germano Di Sciascio
11:57 AM - Critical Appraisal of the ARMYDA-4 Trial
Dominick J. Angiolillo
12:00 PM - AMETHYST: A Prospective, Randomized Trial of a Novel Distal Protection Device During Saphenous Vein Graft Intervention
Dean J. Kereiakes
12:12 PM - Critical Appraisal of the AMETHYST Trial
Gabor I. Sutsch

LATE BREAKING STUDIES AND FIRST REPORT INVESTIGATIONS
Moderators: William D. Knopf, Sigmund Silber
12:15 PM - SPIRIT-III: A Prospective, Randomized Trial Comparing an Everolimus-Eluting Stent and a Paclitaxel-Eluting Stent in Patients With Coronary Artery Disease: 1-Year Follow-Up and Subgroup Analysis
Gregg W. Stone
12:27 PM - Critical Appraisal of the SPIRIT-III Trial
Stephen G. Ellis
12:30 PM - NOBORI I Phase II: A Prospective, Randomized Trial Comparing a Biolimus A9-Eluting Stent and a Paclitaxel-Eluting Stent in Patients With Coronary Artery Disease: 9-Month Clinical and Angiographic Results
Bernard R. Chevalier
12:42 PM - Critical Appraisal of the NOBORI I Phase II Trial
Ron Waksman
12:45 PM - TRIAS HR Pilot: A Prospective, Randomized Trial Comparing EPC Capture Stent Technology and a Paclitaxel-Eluting Stent in Lesions at High Risk for Restenosis: 6-Month Clinical and Angiographic Outcomes
Robert J. de Winter
12:57 PM - Critical Appraisal of the TRIAS HR Pilot Trial
Cindy L. Grines
1:00 PM - TAXUS Atlas Small and Long: Multicenter Registry Investigations of a 2.25 mm and 38 mm Paclitaxel-Eluting Stent: 9-Month Clinical and Angiographic Follow-Up
Mark A. Turco
1:18 PM - Critical Appraisal of the TAXUS Atlas Small and Long Studies
Stefan Verheye
1:21 PM - EUROSTAR II: A Prospective, Randomized Trial Comparing a Bioabsorbable Polymer-Based Paclitaxel-Eluting Stent and an Identical Bare Metal Stent
Sigmund Silber
1:33 PM - Critical Appraisal of the EUROSTAR II Trial
Carlo Di Mario
1:36 PM - ABSOLUTE: A Prospective, Randomized Trial Comparing a Durable Polymer-Based Paclitaxel-Eluting Stent, a Bioabsorbable Polymer-Based Paclitaxel-Eluting Stent, and Rapamycin Analogue-Eluting Stents: 30-Day and 6-Month Clinical Outcomes
Alaide Chieffo

1:48 PM - Critical Appraisal of the ABSOLUTE Trial
Stephan Windecker

PLENARY SESSION 5: PCI INDICATIONS I: TREATMENT FOR STABLE SYMPTOMATIC (AND ASYMPTOMATIC) CORONARY ARTERY DISEASE
Moderator: Gregg W. Stone
2:00 PM - What is “Optimal” Medical Therapy and When Is PCI Clearly NOT Indicated?
Bernard J. Gersh

DEBATE: PCI VS. OPTIMAL MEDICAL THERAPY
2:15 PM - Medical Therapy as the First Choice for Most Patients
William E. Boden
2:30 PM - PCI as the First Choice for Most Patients
Dean J. Kereiakes
2:45 PM - Moderated Discussion and Q&A
Discussants: William E. Boden, David J. Cohen, Dean J. Kereiakes, Stephan Windecker

PLENARY SESSION 6: LIVE CASE SESSION II
Live Case Moderator: Gregg W. Stone
Co-Moderator: Patrick W. Serruys

5:00 PM - Report From the “Front Lines:” The Interacting Forces of Politics, Medicine, and the Military: A Cardiovascular Physician’s Perspectives
S. Ward Casscells

5:15 PM - A Tribute to Andreas Gruntzig: A 30-Year Odyssey and His Legacy of PCI
Bernhard Meier

PLENARY SESSION 8: PCI CONTROVERSIES I
Moderator: Gregg W. Stone
5:30 PM - A National “Door-to-Balloon” Time Initiative is Necessary to Dramatically Improve Acute MI Outcomes
John E. Brush
5:45 PM - “No Holds Barred” Panel Discussion
Henning Rud Anderson, John E. Brush, David A. Cox, Raimund A. Erbel, Bernard J. Gersh, Alice K. Jacobs, Ulf Stenestrand

6:00 PM - Thought Leader’s Critique: Patent Foramen Ovale Closure Remains Poorly Understood, Underutilized, and Paralyzed by Regulatory and Clinical Trial Issues
Robert J. Sommer
6:15 PM - “No Holds Barred” Panel Discussion
Stephen J. D. Brecker, Tony Das, Paul Kramer, Bernhard Meier, Michael J. Mullen, Robert J. Sommer, Peter T. Wilmshurst
6:30 PM - Adjourn

CORONARY THEATER
8:00 AM-6:30 PM
LOWER LEVEL

DRUG-ELUTING STENT UPDATE
Moderator: Eberhard Grube
8:00 AM - Normal and Abnormal Pathologic Vascular Responses to Bare Metal and Drug-Eluting Stents and Their Relation to Clinical Outcomes
Elazer R. Edelman
8:20 AM - Safety of Drug-Eluting Stents for On- and Off-Label Use: Integration of the Latest Clinical Trial and Observational Registry Data
David J. Cohen

8:40 AM - Drug-Eluting Stent Adjunct Pharmacology Controversies: Rational Treatment Algorithms Despite Incomplete Data
Steven R. Steinbruch

8:55 AM - The Importance of Technique in Optimizing Drug-Eluting Stent Outcomes: Stent Expansion (Balloon Pressure), Geographic Miss, Incomplete Apposition, and More
Marco A. Costa

9:10 AM - The Next Generation of Drug-Eluting Stents: Are There Meaningful Differences?
Eberhard Grube

LIVE CASE SESSION I: BIFURCATIONS (SPONSORED BY SOCIEDAD LATINOAMERICANA DE CARDIOLOGIA INTERVENCIONISTA)
Moderator: Eberhard Grube
Co-Moderator: Jorge A. Belardi
Live Case Discussants: Jorge Gaspar, Efrain Gaxiola, Luis A. Mattos, Oscar A. Mendiz, Marie-Claude Morice, Marco A. Perin, Expedito E. Ribeiro, Alfredo Rodriguez, Samin Sharma, Leif Thuesen

9:30 AM - Instituto Dante Pazzanese de Cardiologia
10:30 AM - Fu Wai Hospital
11:30 AM - Columbia University Medical Center
12:00 PM - Break

COMPLEX PATIENTS, COMPLEX LESIONS
Moderator: David O. Williams
2:00 PM - The Comprehensive Approach to the Patient With Diabetes Mellitus: From the Rosiglitazone Controversy to Cath Lab Considerations
David J. Moliterno
2:15 PM - Chronic Kidney Disease and Contrast Nephropathy: Prognostic Impact and the “Hottest” Data on Prevention
Therapies
Roxana Mehran
2:30 PM - Simple and Complex Bifurcation Lesions: Classification(s), Single and Dual Stent Options, Clinical Outcomes, and a Simple Treatment Algorithm
Yves R. Louvard
MONDAY \ OCTOBER 22, 2007


3:00 PM - Chronic Total Occlusions: Novel Technical Approaches and Improving Success Rates Masahiko Ochiai

3:15 PM - Left Main Intervention: Patient Selection, Operator Technique, and Clinical Outcomes Paul S. Teirstein

LIVE CASE SESSION II: MULTIVESSEL AND DIFFUSE DISEASE
Moderator: David O. Williams
Co-Moderator: Michael J. Cowley

3:30 PM - Columbia University Medical Center
4:30 PM - Hahnmann University Hospital
5:30 PM - Auckland City Hospital
6:30 PM - Adjourn

ENDOVASCULAR THEATER
8:00 AM-6:30 PM
Lower Level

CAROTID INTERVENTION I
Moderator: Klaus D. Mathias
Co-Moderator: Jay S. Yadav
Panel Discussants: Tyrone J. Collins, Alberto Cremonesi, Dariusz Dudek
8:00 AM - Observations from the Innovator: Historical Perspectives and Lessons Learned From Three Decades of Carotid Angioplasty and Stenting Klaus D. Mathias
8:25 AM - Panel Discussion
8:30 AM - European Perspectives on Carotid Stenting: Current Standards and Impact of Clinical Trial Data Bernhard Reimers
8:55 AM - Panel Discussion
9:00 AM - Insights From Post-Market Approval Data in Carotid Stenting: Trends and Relevance to Contemporary Practice and Ongoing and Future Investigation Jay S. Yadav
9:25 AM - Panel Discussion

LIVE CASE SESSION I: CAROTID AND NEUROINTERVENTION
Moderator: Klaus D. Mathias
Co-Moderator: Jay S. Yadav
9:30 AM - Millard Fillmore Gates Hospital
10:00 AM - CardioVascular Center Frankfurt
10:30 AM - Millard Fillmore Gates Hospital
11:00 AM - Columbia University Medical Center
11:30 AM - CardioVascular Center Frankfurt
12:00 PM - Break

CAROTID INTERVENTION II
Moderator: John R. Laird, Jr
Co-Moderator: Nicola Corvaja
Panel Discussants: Zvonimir Krajcer, Juan C. Parodi, Mark H. Wholey
2:00 PM - Established Pathways and Future Directions for Carotid Imaging and Stent Evaluation Michael R. Jaff
2:25 PM - Panel Discussion
2:30 PM - Carotid Stents and Embolic Protection Systems: Differentiating the Devices Joachim Schofer
2:55 PM - Panel Discussion
3:00 PM - Clinical Trials in Symptomatic and Asymptomatic Patients with Obstructive Carotid Disease: Summary Data from Completed Trials and Early Lessons from CREST and ACT One Sriman S. Iyer
3:25 PM - Panel Discussion

LIVE CASE SESSION II: CAROTID AND NEUROINTERVENTION
Moderator: John R. Laird, Jr
Co-Moderator: Mark H. Wholey
Live Case Discussants: Franz Wolfgang Amann, Christopher U. Cates, Thomas A. Ischinger, Philip M. Meyers, Greg Mishkel, Jacques G. Theron, Jiri J. Vitek, Robaayah Zambahari, James P. Zidar
3:30 PM - Hahnmann University Hospital
4:30 PM - Columbia University Medical Center
5:30 PM - Millard Fillmore Gates Hospital
6:30 PM - Adjourn

STRUCTURAL HEART DISEASE THEATER
8:00 AM-6:30 PM
Lower Level

ADULT CONGENITAL HEART DISEASE I: GENERAL CONCEPTS AND PFO CLOSURE
Moderator: Robert J. Sommer
8:00 AM - Anatomy, Embryology, and Pathophysiology of Congenital Heart Disease: A Primer for the Adult Cardiologist James A. Goldestein
8:15 AM - The Use of Cardiac Imaging Techniques (TEE, ICE, CT/MR) for Diagnosis and to Assist Therapy in Adult Congenital Heart Disease John D. Carroll
8:30 AM - Transseptal Puncture: Technique Variations, Guidance Modalities, and Use During New Transcatheter Procedures Howard C. Herrmann
8:45 AM - Anatomic Variations and Clinical Syndromes Associated with PFOs (Indications for Transcatheter Closure) Jonathan M. Tobis
9:00 AM - Perspectives on PFO Closure: Clinical Trials for Stroke Prevention and Migraines Mark Reisman
9:15 AM - Basic and Advanced Techniques for PFO Closure: A Step-By-Step Approach and an Overview of New Device Alternatives Robert J. Sommer

LIVE AND TAPE D CASES SESSION I
Moderator: Robert J. Sommer
Co-Moderator: John D. Carroll
9:30 AM - Evanston Northwestern Healthcare
10:30 AM - Taped Cases
11:00 AM - St. Paul’s Hospital
12:00 PM - Break

VALVULAR HEART DISEASE I: AORTIC STENOSIS AND REGURGITATION
Moderator: Howard C. Herrmann
2:00 PM - Aortic Stenosis and Regurgitation: Natural History, Pathophysiology, Patient Profiling, Guidelines for Treatment, Valve Choices and Surgical Results Blasé A. Carabello
**MORNING CONCURRENT SESSIONS**

**ANTICOAGULANT ALTERNATIVES: LOW MOLECULAR WEIGHT HEPARINS, DIRECT ANTI-THROMBINS, XA INHIBITORS, AND MORE**

8:00 AM - 11:45 AM
Room 145AB

Antithrombin Alternatives
Moderator: James J. Ferguson III

8:00 AM - Summary Overview:
So Many Antithrombins, So Little Time: A Framework for Rational Selection
James J. Ferguson III

8:12 AM - Bivalirudin: New Insights into Safety, Efficacy, and Appropriateness in Use in PCI, ACS, and AMI
Steven V. Manoukian

8:24 AM - Low Molecular Weight Heparins: New Insights into Safety, Efficacy, and Appropriate Use in PCI, ACS, and AMI
Marc Cohen

8:36 AM - Fondaparinux: New Insights into Safety, Efficacy, and Appropriate Use in PCI, ACS, and AMI
Michael Rokoss

8:48 AM - Tough Questions to the Speakers from the Moderators and Audience
Panel Moderators: James J. Ferguson III, Neal S. Kleiman
Discussants: Marc Cohen, Steven V. Manoukian, Michael Rokoss

Drilling Down
Moderator: Neal S. Kleiman

9:03 AM - Bleeding and Transfusion: Is This Our New Primary Concern?
Sunil V. Rao

9:15 AM - Subtle and Not So Subtle Manifestations of Heparin-Induced Thrombocytopenia: Recognition and Management
Neal S. Kleiman

9:27 AM - Timing and Transitioning of ACS Patients to the Cath Lab: Evidence-Based Recommendations
Marc Cohen

9:39 AM - Clopidogrel Loading Issues and Relationship to Antithrombin and IIb/IIIa Inhibitor Efficacy
Steven R. Steinhubl

9:51 AM - Moderated Discussion and Q&A
Panel Moderator: Neal S. Kleiman
Discussants: Marc Cohen, Sunil V. Rao, Steven R. Steinhubl

Keynote Address
Moderator: Neal S. Kleiman

10:06 AM - Future Antithrombin Alternatives
Deepak L. Bhatt

Oral Abstracts
Moderator: Peter B. Berger
Discussants: Lisa K. Jennings, David J. Moliterno, Jorge F. Saucedo

10:21 AM - TCT-54: Long-Term Outcomes of Patients with Acute Coronary Syndromes and Chronic Renal Insufficiency Undergoing Percutaneous Coronary Intervention and Being Treated with Bivalirudin vs. Heparin Plus a Glycoprotein IIb/IIIa Inhibitor: Results from the Randomized ACUITY Trial
Roxana Mehran

10:36 AM - TCT-55: Clopidogrel Pretreatment vs. Clopidogrel Exposure Prior to PCI in the ACUITY Trial: Does it Really Matter?
Steven R. Steinhubl

10:51 AM - TCT-56: Impact of Anemia on 1-Year Ischemic Events and Mortality Among Patients with Acute Coronary Syndromes Undergoing Percutaneous Coronary Intervention
Steven V. Manoukian

Case Review Session: Clinical and Interventional Cases Involving Difficult Anticoagulant Decisions
11:06 AM Moderators: James J. Ferguson III, Neal S. Kleiman

11:45 AM - Adjourn

**CONFRONTATIONAL ANGIOPLASTY: FIERCELY DEBATING THE ISSUES (SPONSORED BY THE BRITISH CARDIOVASCULAR INTERVENTION SOCIETY)**

8:00 AM - 11:55 AM
Room 151AB

8:00 AM - Introduction
Martyn R. Thomas

Angiographic Case Reviews: “What Happens Next?”
Moderator: Martyn R. Thomas
Discussants: Keith D. Dawkins, Gregory J. Dehmer, Anthony H. Gershlick

8:05 AM - Case #1
Daniel J. Blackman

8:20 AM - Case #2
Martyn R. Thomas

8:35 AM - Case #3
Mark A. de Belder

Moderator: Anthony H. Gershlick

8:50 AM - I Concur: When Is Surgery for Failed PCI Ever Needed?
Adam de Belder
DISTAL PROTECTION AND THROMBECTOMY DEVICES IN THE CORONARY AND ENDOVASCULAR CIRCULATIONS
9:00 am - 11:50 am
Room 147AB

Saphenous Vein Graft Intervention
8:00 am - The Spectrum of Distal Protection Devices in Saphenous Vein Graft Intervention: Are There Meaningful Differences (and How to Choose)
Joseph P. Carrozza, Jr
8:12 am - Technical Tips and Tricks for Optimal Utilization of Distal Protection Devices in Saphenous Vein Grafts (Case Review)
James B. Hermiller, Jr
8:22 am - Do Balloon Occlusion and Aspiration Systems Have a Current Role in Saphenous Vein Graft Intervention?
D. Christopher Metzger
8:32 am - Update on Proximal Saphenous Vein Graft Protection: New Technologies and Clinical Experience
Gabor I. Sutsch
8:42 am - Do Undersized Stents Reduce Embolization While Preserving Long-Term Outcomes in Saphenous Vein Grafts?
Augusto D. Pichard
8:52 am - Does Adjunct Pharmacology Make a Difference in Saphenous Vein Graft Intervention?
Michael Hauke
9:02 am - TCT-77: Impact of Distal Embolization Occurring During Direct PCI on Infarct Size and Infarct Transmurality: A Magnetic Resonance Imaging Study
Massimo Napodano
9:12 am - Good Question: We Should Be!
Simon R. Dixon
9:22 am - Good Question: Because They’re Not Necessary!
Tim A. Fischel
9:32 am - Moderated Discussion and Q&A
Discussants: Joseph P. Carrozza, Jr, Tim A. Fischel, Michael Hauke, James B. Hermiller, Jr, D. Christopher Metzger, Massimo Napodano, Augusto D. Pichard, Gabor I. Sutsch

Protecting the Peripheral Circulation
Moderators: Mark W. Burket, Michel Henry
10:44 am - Distal Protection During Peripheral Intervention: With and Without Thrombectomy: Rationale and Results
Michael H. Wholey
10:54 am - Complications of Distal Protection During Carotid Intervention: Frequency, Prevention, and Management
J. Michael Bacharach
11:04 am - TCT-79: Carotid Angioplasty and Stenting Under Protection is Becoming the Gold Standard Treatment of a Carotid Stenosis in High- and Low-Risk Patients
Michel Henry et al
11:14 am - Proximal Protection During Carotid Intervention: Devices, Data, and When to Use Rather Than Distal Protection
Bernhard Reimers
11:24 am - Protecting the Microcirculation During Renal Angioplasty: Can the Benefits Ever Be Demonstrated?
Michel Henry
11:34 am - Moderated Discussion and Q&A
Panel Moderators: Mark W. Burket, Michel Henry
Discussants: J. Michael Bacharach, Bernhard Reimers, Michael H. Wholey
11:50 am - Adjourn

Microcirculatory Protection in Acute Myocardial Infarction
Moderators: Franz Wolfgang Amann, Jeffrey J. Popma
9:47 am - Should Thrombectomy and Distal Protection Devices in AMI Be Abandoned? An Overview of Randomized Trials
Giuseppe De Luca
9:59 am - Beyond the Randomized Trials: Can We (and Should We) Prevent Distal Embolization in AMI?
Raimund A. Erbel
10:09 am - TCT-78: Coronary Stent Prescription with Computed Tomographic Coronary Angiography
Christopher A. Glover et al
10:19 am - Advantages of Proximal Protection in AMI: Devices, Results, and Case Experiences
David A. Cox
10:29 am - Moderated Discussion and Q&A
Panel Moderators: Franz Wolfgang Amann, Jeffrey J. Popma
Discussants: David A. Cox, Giuseppe De Luca, Raimund A. Erbel, Christopher A. Glover,

Confrontational Abstracts
Moderator: Adam de Belder
Discussants: Keith D. Dawkins, Anthony H. Gershlick, Martin T. Rothman, Martyn R. Thomas
10:10 am - TCT-73: Late and Very Late Stent Thrombosis Following Elective Drug-Eluting Stent Implantation in Unprotected Left Main Coronary Artery: A Multicenter Registry
Alaide Chieffo et al
10:25 am - TCT-74: Dual Antiplatelet Therapy Following Percutaneous Coronary Intervention with Stent Implantation in Patients on Chronic Oral Anticoagulation
Renata Rogacka et al
10:40 am - TCT-75: Percutaneous Coronary Interventions in Patients >90 Years of Age: Are We Pushing the Limits?
Abid Assali et al
10:55 am - TCT-76: Transfer of S-T-Elevation Myocardial Infarction Patients with Cardiogenic Shock for Primary Percutaneous Coronary Intervention
Timothy D. Henry et al

Angiographic Case Reviews: Managing Life-Threatening Complications of PCI
Moderator: Keith D. Dawkins
Discussants: Carlo Di Mario, Jim Nolan, Martyn R. Thomas
11:10 am - Case #1
Nick Curzen
11:25 am - Case #2
Lucy Blows
11:40 am - Case #3
Robert A. Henderson
11:55 am - Adjourn

9:00 am - I Object: Surgical Standby for PCI Is Still Necessary and Improves Outcomes
Spencer B. King III
9:10 am - Moderated Discussion and Rebuttal
Panel Moderator: Anthony H. Gershlick
Discussants: Adam de Belder, Spencer B. King III

How-To Session
Moderator: Martin T. Rothman
9:25 am - How to Best Treat Simple and Complex Bifurcations
David J. Hildick-Smith
9:40 am - How to Stent the Distal Left Main
Keith D. Dawkins
9:55 am - How to Perform PCI when the Ejection Fraction is <30%
Simon Redwood

Enthusiastic Session
Moderator: Simon R. Dixon
Discussants: Carlo Di Mario, Martyn R. Thomas
9:00 am - TCT-72: Impact of Distal Protection Devices in Angiographic Case Reviews: managing...
LUNCHTIME ACTIVITIES

Special Lunch Session
12:00 PM-2:00 PM

The Bioabsorbable Revolution: From Drug-Eluting Carriers to Stents
Room 202B
Moderators: Syed Hossainy, Jeffrey Hubbell
12:00 PM - History of Bioabsorbable Stent Technology Development: The First 20 Years
Richard S. Stack
12:15 PM - Q&A
12:18 PM - Synthetic Absorbable Polymers: Design Considerations for Medical Devices
Dennis Jamiołkowski
12:33 PM - Q&A
12:36 PM - Challenges in Preclinical Evaluation of Bioabsorbable Stents: The Role of Histology and Imaging
Greg L. Kaluza
12:51 PM - Q&A
12:54 PM - Absorption Mechanisms and Predictive Models to Estimate the Lifetime of Bioabsorbable Implants
Syed Hossainy
1:09 PM - Q&A
1:12 PM - Discovery of a Promising Biomaterial for Use in Cardiovascular Stents from a Combination Materials Design Approach
Joachim Kohn
1:27 PM - Q&A
1:30 PM - Absorbable Particle-Based Technology for Cardiovascular Applications
Jeffrey Hubbell
1:45 PM - Q&A
1:48 PM - Moderated Discussion and Q&A
Panel Moderators: Syed Hossainy, Jeffrey Hubbell
Discussants: Dennis Jamiołkowski, Greg L. Kaluza, Joachim Kohn, Richard S. Stack
2:00 PM - Adjourn

HOT TOPICS, HOT LUNCHES

12:15 PM-1:45 PM

Room 201
Chair: Stuart J. Pocock
12:15 PM - A Critical Statistical Review of Recent Trials Including COURAGE, DES Safety, ACUITY, Avandia, etc
Stuart J. Pocock
12:45 PM - Moderated Discussion and Q&A
Panel Moderator: Stuart J. Pocock
Discussants: Ajay J. Kirtane, David F. Kong, Roxana Mehran, John L. Petersen, Bram Zuckerman

Optimizing Care for Women with Cardiovascular Disease
Room 202A
Chairs: Alice K. Jacobs, Alexandra J. Lansky
12:15 PM - Introduction and Session Goals
Alexandra J. Lansky
12:20 PM - Cardiovascular Disease in Women: Why the Emphasis?
Liliana R. Grinfeld
12:25 PM - Apical Ballooning (Broken Heart Syndrome): Implications for Women
Amir Lerman
12:30 PM - Risk Stratifying Women: from the Framingham to the Reynolds Score
Erin Michos
12:35 PM - The AHA Red Dress Campaign: Purpose and Impact
Alice K. Jacobs
12:40 PM - Noninvasive Diagnosis of Coronary Disease in Women: Common Pitfalls
Jennifer H. Mieves
12:45 PM - Diagnosis and Management of Vascular Disease in Women
Elizabeth V. Ratchford
12:50 PM - Special Considerations for Women with Acute Myocardial Infarction
Alexandra J. Lansky
12:55 PM - Implications of Chronic Kidney Disease and Contrast Exposure in Women
Eugenia Nikolsky
1:00 PM - Medication Dosing and Errors in Women
Andrea Abizaid
1:05 PM - The Obesity Epidemic and Weight Management Strategies: Implications for Women
Patricia E. Knipper
1:10 PM - Case Presentation: Evaluation and Treatment of an Elderly Woman with Pan Vascular Atherosclerosis
Case Presenter: Saibal Kar
Discussants: Andrea Abizaid, Liliana R. Grinfeld, Patricia E. Knipper, Erin Michos, Jennifer H. Mieres, Eugenia Nikolsky, Elizabeth V. Ratchford
1:20 PM - Moderated Audience Q&A
Panel Moderators: Alice K. Jacobs, Alexandra J. Lansky
Discussants: Andrea Abizaid, Liliana R. Grinfeld, Saibal Kar, Patricia E. Knipper, Erin Michos, Jennifer H. Mieres, Eugenia Nikolsky, Elizabeth V. Ratchford

Interventional Cardiovascular Simulation: Current Uses, Future Projections
Room 207B
Moderators: John D. Carroll, Giora Weisz
12:15 PM - Rationale and Evidence for the Benefits of Cardiovascular Simulation
Christopher U. Bates
12:25 PM - Q&A
12:27 PM - Education and Training: The European Perspective
Erhard Kaiser
12:37 PM - Q&A
12:39 PM - Cognitive and Hands-On Coronary Skills: The ABIM Experience
Rebecca S. Lipner
12:49 PM - Q&A
12:51 PM - First Experience with Endovascular Testing Using Simulators: The ABVM Experience
Bruce H. Gray
1:01 PM - Q&A
1:03 PM - Assessment of Carotid Stenting Proficiency: The ASSESS Trial
Giora Weisz
1:13 PM - Q&A
1:15 PM - Procedure Targeted Simulator for Radial Access
Yves R. Louvard
1:25 PM - Q&A
1:27 PM - Patient Based Simulation
Giora Weisz
1:37 PM - Q&A
1:39 PM - Simulation of Structural Heart Disease Interventions
John D. Carroll
1:49 PM - Q&A

Diabetes and Cardiovascular Disease: Attacking the Epidemic
Room 206
Chair: Michael E. Farkouh
12:15 PM - Introduction and Session Goals
Michael E. Farkouh

www.TCT2007.com
12:20 PM - Metabolic Syndrome: Diagnosis and Approach to Treatment
J. Brent Muhlstein

12:25 PM - The Diabetic Platelet
Dominick J. Angiolillo

12:30 PM - Does Tight Glycemic Control of Diabetes Improve Outcomes?
James H. Chesebro

12:35 PM - The Rosiglitazone Controversy: Rationale and Recommendations
J. Brent Muhlstein

12:40 PM - Stents, Surgery, or Medical Therapy in Diabetes? Update on BARI-2D
Frederick Feit

12:45 PM - Outcomes of Bypass Graft Surgery in Diabetes Mellitus: Real-World Evaluation
Michael J. Mack

12:50 PM - Stent Selection in Diabetes: DES vs. BMS? Sirolimus vs. Paclitaxel?
Donald Cutlip

12:55 PM - FREEDOM Trial Update
Michael E. Farkouh

1:00 PM - Implications of Chronic Kidney Disease and Contrast Nephropathy in the Diabetic Patient
Carlo Briguori

1:05 PM - Impact of Hyperglycemia in Acute Myocardial Infarction
Norman E. Lepor

1:10 PM - Special Considerations for Primary Angioplasty in the Diabetic with Acute Myocardial Infarction
Thomas D. Stuckey

1:15 PM - Case Presentation: 44-Year-Old Insulin-Requiring Diabetic Patient with Unstable Angina and Renal Insufficiency
Panel Moderator: Michael E. Farkouh
Case Presenter: Alok Finn

1:20 PM - Moderated Audience Q&A
Panel Moderator: Michael E. Farkouh
Discussants: Dominick J. Angiolillo, Carlo Briguori, James H. Chesebro, Donald Cutlip, Frederick Feit, Alok Finn, Norman E. Lepor, Michael J. Mack, J. Brent Muhlstein, Thomas D. Stuckey, Douglas E. Vaughan

1:25 PM - Structural Heart Disease I: PFO, ASD, and VSD Closure Tips, Tricks, and Complications
Room 144A
John M. Lasala, Bernhard Meier, Richard Smalling, Brian Whisenant

2:00 PM - Board Review Course with Self Assessment for Interventional Cardiology and Endovascular Medicine, Part 3: Coronary Essentials
Room 146ABC

2:00 PM - PCI Indications and Outcomes
According to Clinical Presentation
Moderators: David P. Faxon, John J. Young

2:00 PM - PCI in Acute Coronary Syndromes
David P. Faxon

2:45 PM - Q&A

3:00 PM - PCI in Chronic Coronary Artery Disease
Bernard J. Gersh

3:35 PM - Q&A

3:45 PM - Break

4:00 PM - Emergency PCI
Moderators: Manish A. Parikh, Jeffrey J. Popma

5:00 PM - Q&A

5:15 PM - Cardiogenic Shock and Hemodynamic Support
Jeffrey J. Popma

6:00 PM - Adjourn

6:00 PM - Adjourn
2:00 PM - The Central Role of the Platelet in the Genesis of Post-PCI Adverse Events
Lisa K. Jennings

2:15 PM - Methods of Determining Platelet Function: Do They All Measure the Same Parameters?
Neal S. Kleiman

2:30 PM - Aspirin in Cardiovascular Disease: What Is the Right Dose, and Is It Only About COX-1 Inhibition? Insights from the ASPECT Study
Kevin Bleden

2:45 PM - Platelet P2Y12 Inhibition with Clopidogrel: Insights into Acute and Chronic Dosing and Onset of Action
Dominick J. Angiolillo

3:00 PM - TCT-80: High Clopidogrel Maintaining Dosage Improves Long-Term Clinical Outcomes in Patients with Acute Coronary Syndrome Undergoing Drug-Eluting Stent Implantation
Yaling Han et al

3:10 PM - Roundtable Discussion
Panel Moderators: Dominick J. Angiolillo, Paul A. Gurbel
Discussants: Kevin Bleden, Yaling Han, Lisa K. Jennings, Adnan Kastrati, Neal S. Kleiman

Antiplatelet Resistance: What Does It Mean and What Should We (or Can We) Do About It? Moderators: Matthew J. Price, Steven R. Steinhubl

3:25 PM - Clopidogrel and Aspirin Non-Responders: Definitions and Detection
Steven R. Steinhubl

3:40 PM - Relationship between Post-PCI Platelet Function and Subsequent Adverse Ischemic Events and Stent Thrombosis: The New Cardiovascular Risk Factor?
Paul A. Gurbel

3:55 PM - TCT-81: Variability in P2Y12-Mediated Platelet Reactivity Is Not Associated with Peri-Procedural Ischemic Events in Patients on Maintenance Clopidogrel Therapy Treated with Bivalirudin Monotherapy
Matthew J. Price et al

4:05 PM - Management of Aspirin and Clopidogrel Hypo-Responders: Pharmacologic Options Today and Tomorrow and Will Changing Therapy Improve Outcomes?
Daniel I. Simon

4:20 PM - TCT-82: Clopidogrel Resistance and Stent Thrombosis: A Causal Relation?
Stefan Hoffmann

4:30 PM - Roundtable Discussion
Panel Moderators: Matthew J. Price, Steven R. Steinhubl
Discussants: David Antoniucci, Peter B. Berger, Paul A. Gurbel, Stefan Hoffmann, Daniel I. Simon

Next Generation Antiplatelet Therapy
Moderators: Paul A. Gurbel, Steven R. Steinhubl

4:45 PM - Impact of Cilostazol on Platelet Function: First Report from the Placebo-Controlled Randomized OPTIMUS-2 Trial
Dominick J. Angiolillo

4:57 PM - TCT-83: Impact of Cilostazol on Performance of Drug-Eluting Stent According to Stent Type: Subgroup Analysis of DECLARE Trial
Seung-Whan Lee et al

5:07 PM - Update on the New Antiplatelet Agents: Novel P2Y12 Inhibitors
Alan D. Michelson

5:22 PM - Update on the New Antiplatelet Agents: PAR-1 Inhibitors
David J. Moliterno

5:37 PM - Antiplatelet Effects of Anticoagulants: Potential of Oral Factor Xa Inhibitors to Prevent Arterial Thrombosis
Steven R. Steinhubl

5:52 PM - Moderated Discussion and Q&A
Panel Moderators: Paul A. Gurbel, Steven R. Steinhubl
Discussants: Dominick J. Angiolillo, Seung-Whan Lee, Alan D. Michelson, David J. Moliterno

6:10 PM - Adjourn

GUIDELINES AND EVIDENCE-BASED MEDICINE REVIEW I: ACS, AMI, AND ADJUNCT PHARMACOLOGY
2:00 PM-6:00 PM Room 151AB

STEMI Guidelines and Evidence-Based Medicine
Moderators: Alice K. Jacobs, Spencer B. King III
2:00 PM - Time to Treatment (and Transport) Issues and Selection of Reperfusion Modality, and Primary Angioplasty with No On-Site Surgery: Guideline Review and Critical Appraisal
Eric R. Bates
2:12 PM - Is Door-to-Balloon Time the Right Metric?
Timothy D. Henry

2:22 PM - On-Site Surgery Is Unnecessary for Primary Angioplasty: Is It Time for a National Policy?
Gregory J. Dehmer

2:32 PM - TCT-99: Regional STEMI Networks in Southern California Reduce Door-to-Balloon Times: Pooled Data from Four Counties
Ivan C. Rokos et al

2:42 PM - Roundtable Discussion
Panel Moderators: Alice K. Jacobs, Spencer B. King III

2:57 PM - Utilization of Rescue and Facilitated Angioplasty: Guideline Review and Critical Appraisal
Spencer B. King III

3:09 PM - Late Recanalization of Occluded Infarct Arteries: Guideline Review and Critical Appraisal
Vladimir Davzik

3:21 PM - TCT-100: The FINESSE (Facilitated Intervention with Enhanced Reperfusion Speed to Stop Events) Trial: Results of the Formal Low Molecular Weight Heparin Substudy
Gilles Montalescot

3:31 PM - Controversial and Unsettled STEMI Guideline Issues: The European Perspective
Sigmund Silber et al

3:46 PM - Moderated Discussion and Q&A
Panel Moderators: Alice K. Jacobs, Spencer B. King III
Discussants: Gregory J. Dehmer, Vladimir Davzik, Lloyd W. Klein, Gerrit J. Laarman, Gilles Montalescot, Sigmund Silber

NSTEMI Guidelines and Evidence-Based Medicine
Moderators: Sigmund Silber, Sidney Smith
4:01 PM - Early Invasive vs. Delayed Invasive vs. Conservative Approaches in NSTEMI: Guideline Review and Critical Appraisal
Robert J. de Winter

4:13 PM - Data-Driven Recommendations for the Use of Biomarkers and Risk Stratification Variables in ACS
Michael E. Farkouh

4:23 PM - TCT-101: Primary PCI Performed with Delay <120 Minutes from Diagnosis Seems Acceptable in Terms of Short-Term Clinical Outcomes: Results from EUROTRANSFER Registry
Zbigniew Siudak

WWW.TCT2007.COM
4:33 PM - Moderated Discussion and Q&A
Panel Moderators: Sigmund Silber, Sidney Smith
Discussants: Robert J. de Winter, Michael E. Farkouh, Alice K. Jacobs, Spencer B. King III, Zbigniew Siudak

Adjunct Pharmacology (STEMI and NSTEMI) Guidelines and Evidence-Based Medicine
Moderators: Sigmund Silber, Sidney Smith
4:43 PM - Antithrombin Agents in NSTEMI and STEMI: Guideline Review and Critical Appraisal
Marc Cohen
4:55 PM - Glycoprotein Ilb/Ilia Inhibitor Use in NSTEMI and STEMI: ER or Cath Lab Initiation, Routine or Selective Use: Guideline Review and Critical Appraisal
Sunil V. Rao
Peter B. Berger
5:19 PM - TCT-102: Safety and Efficacy of Bivalirudin With and Without Glycoprotein Ilb/Ilia Inhibitors in Patients with Acute Coronary Syndromes Undergoing Percutaneous Coronary Intervention: 1-Year Results from the Randomized ACUTY Trial
Harvey D. White
5:29 PM - Controversial and Unsettled Adjunct Pharmacology Guideline Issues: The European Perspective
Gilles Montalescot
5:44 PM - Moderated Discussion and Q&A
Panel Moderators: Sigmund Silber, Sidney Smith
Discussants: Peter B. Berger, Michel E. Bertrand, Marc Cohen, Gregory J. Dehmer, James J. Ferguson III, Spencer B. King III, Gilles Montalescot, Sunil V. Rao, Harvey D. White
6:00 PM - Adjourn

**BEST OF CORONARY INTERVENTIONAL ABSTRACTS: FOCUS ON DRUG-ELUTING STENTS**
2:00 PM-6:00 PM
Room 147AB

**Drug-Eluting Stents I**
Moderators: Theodore A. Bass, Jacques J. Koolen
Discussants: Daniel H. Berrocal, Jose M. de la Torre, Maurizio Menichelli, David G. Rizik
2:00 PM - TCT-60: Triple Antiplatelet Therapy Improves Long-Term Outcomes After Percutaneous Coronary Intervention in Patients with Acute Coronary Syndromes
Yaling Han
2:15 PM - TCT-58: The Impact of Stent Thrombosis on the Long-Term Efficacy of Drug-Eluting Stents in Patients with Acute Myocardial Infarction: Insights into the RESEARCH and T-SEARCH Registries
Joost Daemen
2:30 PM - TCT-59: 4-Year Follow-up of Patients with ST-Segment Elevation Acute Myocardial Infarction Treated with Sirolimus-Eluting Stent and Paclitaxel-Eluting Stent: Multicenter Registry
Sunao Nakamura
2:45 PM - TCT-57: Time Course of Neointimal Coverage Following Sirolimus-Eluting Stent Implantation: Up to Two Years Serial Angiographic Study
Masaki Awata

**Drug-Eluting Stents II**
Moderators: Manel Sabate, Ron Waksman
Discussants: Andrea Abizaid, Serge Doucet, Greg L. Kaluza, Bradley H. Strauss
3:00 PM - TCT-61: Diabetes as a Predictor for Stent Thrombosis, Myocardial Infarction, and Mortality after Coronary Stent Implantation: A Danish Population-Based Cohort Study
Michael Maeng
3:15 PM - TCT-62: Predictors of Adverse Events in Patients with Unprotected Left Main Disease Treated with Drug-Eluting Stents: Evidence from a Collaborative Meta-Regression
Giuseppe Biondi Zoccai
3:30 PM - TCT-63: The European Multicenter, Randomized, Double-Blind Study of the Sirolimus-Eluting Stent in the Treatment of Patients with De Novo Coronary Artery Lesions: 5-Year Clinical Outcomes of the ESIRIUS TRIAL
Henning Kelbaek

3:45 PM - TCT-64: 3-Year Clinical Results from the TAXUS V De Novo Trial: Long-Term Safety and Efficacy of the Paclitaxel-Eluting TAXUS Stent in Complex Lesions
Stephen G. Ellis

**Drug-Eluting Stents III**
Moderators: Jorge A. Belardi, Ivan De Scheeeder
Discussants: Anders M. Galloe, Ioannis Iakovou, Vincent On-Hing Kwok, Frederick Wulf
4:00 PM - TCT-65: Safety and Durable Efficacy of the Polymer-Based, Paclitaxel-Eluting TAXUS Stent: Final 5-Year Outcomes from the TAXUS IV Trial
Stephen G. Ellis
4:15 PM - TCT-66: Stent Thrombosis, Myocardial Infarction, and Mortality Following Drug-Eluting and Bare Metal Stent Coronary Interventions in Patients with Diabetes Mellitus
Michael Maeng
4:30 PM - TCT-72: Long-Term (Up to Five Years) Clinical Outcomes of Drug-Eluting Stents for Coronary In-Stent Restenosis in the Real World: Insights from the DESIRE-ISR Registry
Julio R. Maia
4:45 PM - TCT-68: Percutaneous Treatment of Unprotected Left Main Coronary Stenoses with Paclitaxel-Eluting Stents: Mid-Term Results of a French Prospective Multicenter Study (FRIEND Registry)
Didier Carrie

**Drug-Eluting Stents IV**
Moderators: Ajay J. Kirtane, Alan C. Yeung
5:00 PM - TCT-69: Impact of Sirolimus-Eluting Stent and Paclitaxel-Eluting Stent on the Outcome of Patients with Sirolimus-Eluting Stent Failure: Multicenter Registry
Sunao Nakamura
5:15 PM - TCT-70: Long-Term Results After Sirolimus-Eluting Stent Implantation for In-Stent Restenosis: Evidence for a Late Catch-Up Phenomenon?
Imad Sheiban
5:30 PM - TCT-73: ABSORB Trial: 12-Month Results of Clinical Evaluation of the Bioabsorbable Everolimus-Eluting Coronary Stent System in the Treatment of Patients with De Novo Native Coronary Artery Lesions
Patrick W. Serruys
5:45 PM - TCT-71: Prevalence and Clinical Implication of Stent Fracture after Sirolimus-Eluting Stent Implantation: The Impact of Lesion Complexity
Kazushige Kadota
6:00 PM - Adjourn

SPECIAL EVENING SESSIONS

ECHOCARDIOGRAPHY IN THE INTERVENTIONAL SETTING: A RENEWED PARTNERSHIP (SPONSORED BY THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY)
6:00 PM-8:00 PM
Room 149AB
Moderators: Linda D. Gillam, Shunichi Homma
6:00 PM - Echocardiography in the Cath Lab: Choosing Between TTE, TEE, ICE, and 2-D/3-D
Linda D. Gillam
6:15 PM - Mitral Valvuloplasty: Update on Patient Selection, Intra-Procedural Monitoring, and Outcomes Assessment
Rebecca Tung Hahn
6:30 PM - Percutaneous Mitral Repair: Echocardiographic Patient Selection Criteria, Procedural Guidance, and Outcomes
Susan E. Wiegers
6:45 PM - Percutaneous Aortic Valve Replacement: Echocardiographic Patient Selection Criteria, Procedural Guidance, and Outcomes
Neil J. Weissman
7:00 PM - Echocardiographic Guidance of Septal Defect Closure and Left Atrial Appendage Exclusion
Mani A. Vannan
7:15 PM - Reality Check: The Interventionalist’s Perspective on the Strengths and Limitations of Echocardiography
Frederick G. St. Goar

INTERESTING CASE PRESENTATIONS
7:25 PM - Case Presentations: Echocardiographic Diagnosis of Intra-Procedural Complications
Christopher R. Thompson
7:35 PM - Case Presentations: ICE vs. TEE
Mani A. Vannan

7:45 PM - Moderated Discussion and Q&A
Panel Moderators: Linda D. Gillam, Shunichi Homma
Discussants: Rebecca Tung Hahn, Frederick G. St. Goar, Christopher R. Thompson, Mani A. Vannan, Neil J. Weissman, Susan E. Wiegers
8:00 PM - Adjourn

ENDOVENOUS TREATMENT OF VARICOSE VEINS: AN EMERGING SPECIALTY
6:00 PM-8:00 PM
Room 154AB
Director: Jose I. Almeida
Co-Director: Julian J. Javier
6:00 PM - Why Should Cardiologists Be Interested in Venous Disease: Is Extra Training Required?
Julian J. Javier
6:15 PM - Scope of the Problem: Historical Treatment Modalities
Anthony J. Comerota
6:30 PM - Why Endovenous Ablation Has Replaced Traditional Surgery
Jose I. Almeida
6:45 PM - Clinical and Duplex Ultrasound Evaluation of Varicose Veins
Lowell Kabnick
7:00 PM - Endovenous Laser and Radiofrequency Ablation of the Saphenous Vein: Is One Better than the Other?
Jose I. Almeida
7:15 PM - Ambulatory Phlebectomy: A Necessary Adjunct
Edward G. Mackay
7:30 PM - Sclerotherapy: Its Uses and Limitations
Lowell Kabnick
7:45 PM - Moderated Discussion and Q&A
Panel Moderators: Jose I. Almeida, Julian J. Javier
Discussants: Anthony J. Comerota, Lowell Kabnick, Edward G. Mackay
8:00 PM - Adjourn

EVENING SYMPOSIA
8:00 PM-10:00 PM
Refer to page 99-101 for complete program schedule.
PLENARY SESSION 11: LATE BREAKING CLINICAL TRIALS II
Moderator: Martin B. Leon
10:30 AM - AMI HOT II: A Prospective, Randomized Evaluation of Supersaturated Oxygen Therapy After Primary Angioplasty in Anterior Myocardial Infarction
Gregg W. Stone
10:42 AM - Critical Appraisal of the AMI HOT II Trial
Michael Haude
10:45 AM - NORTHERN: A Prospective, Randomized, Double-Blind Placebo-Controlled Evaluation of Intramyocardial VEGF-165 Plasmid DNA Gene Therapy in Patients with Refractory Angina
Duncan J. Stewart
10:57 AM - Critical Appraisal of the NORTHERN Trial
Roger J. Laham

“BLOCKBUSTER” TRIAL OF THE DAY: RESILIENT
11:00 AM - A Critical Review of Treatment Options for Patients with Superficial Femoral Artery Disease
Michael R. Jaff
11:20 AM - RESILIENT: A Prospective, Randomized Trial Comparing a Self-Expanding Nitinol Stent and Balloon Angioplasty in SFA Lesions: 1-Year Results
Barry T. Katzen
11:35 AM - Critical Appraisal of the RESILIENT Trial
Dierk Scheinert
11:40 AM - Panel Discussion
Panel Moderator: Dierk Scheinert

CAREER ACHIEVEMENT AWARD
Moderator: Martin B. Leon
12:00 - TCT 2007 Career Achievement Award Presentation
Martin B. Leon

LATE BREAKING STUDIES AND FIRST REPORT INVESTIGATIONS
Moderators: Antonio Colombo, Patrick L. Whitlow
12:15 PM - AMYMDA-5: A Prospective, Double-Blind Randomized Trial of Clopidogrel Loading Upstream vs. In-Lab Germano Di Sciascio
TUESDAY \ OCTOBER 23, 2007

DEBATE: PCI VS. SURGERY
2:15 PM - PCI as the First Choice for Most Patients
Paul S. Teirstein
2:30 PM - Surgery as the First Choice for Most Patients
Craig R. Smith
2:45 PM - Moderated Discussion and Q&A
Discussants: Jean Marco, Gary L. Schaer, Craig R. Smith, Paul S. Teirstein

PLENARY SESSION 13: LIVE CASE SESSION IV
Moderator: Gregg W. Stone
Co-Moderator: Antonio Colombo
Live Case Discussants: Gerald Barbeau, Peter C. Block, Mark W. Burket, Junbo Ge, Sheldon Goldberg, Michel Henry, Eric Horlick, Yean-Leng Lim, Tom A. Mabin, Matthias E. Pfisterer, Gerhard C. Schuler
3:00 PM - Saint Luke’s Mid America Heart Institute
3:30 PM - Riverside Methodist Hospital
4:00 PM - Carolinas Medical Center
4:30 PM - Swedish Heart and Vascular Institute

PLENARY SESSION 14: FEATURED LECTURES II
Moderator: Gregg W. Stone
5:00 PM - Lessons from Autopsy Findings and Experimental Models: Can Basic Science be Utilized to More Accurately Develop Cardiovascular Devices and Predict Clinical Outcomes?
Renu Virmani
5:15 PM - Has “Medicine by the Media” Gone Too Far? How to Best Serve Physicians and the Lay Public
Mehmet C. Oz

PLENARY SESSION 15: PCI CONTROVERSY III
Moderator: Gregg W. Stone
5:30 PM - The Escalating “Conflict of Interest” Dilemma: Current Status and Roadmap for Physicians
Richard L. Popp
5:45 PM - “No Holds Barred” Panel Discussion
Discussants: Peter J. Fitzgerald, Gregory J. Dehmer, Aaron V. Kaplan, Spencer B. King, Ill, Richard L. Popp, Sigmund Silber, Bonnie H. Weiner

6:00 PM - Opinion Statement: Coronary CT Angiography is Already a Useful Modality for the Management of Patients with Known or Suspected Coronary Disease: Techniques, Clinical Data, and Next Steps
Daniel S. Berman
6:15 PM - “No Holds Barred” Panel Discussion
Discussants: Daniel S. Berman, Jeffrey A. Brinker, Bernard DeBryure, Andrew J. Einstein, Jeffrey C. Hellinger, John McB. Hodgson, James R. Margolis
6:30 PM - Adjourn

CORONARY THEATER
8:00 AM-6:30 PM
Lower Level

ACUTE CORONARY SYNDROMES AND MYOCARDIAL INFARCTION
Moderator: Paul S. Teirstein
8:00 AM - Diagnostic Alternatives for Vulnerable Plaque Detection: From Biomarkers to Noninvasive and Invasive Imaging
Pedro R. Moreno
8:15 AM - Evidence-Based Medicine Therapies in Acute Coronary Syndromes: From Principles to Practice
E. Magnus Ohman
8:35 AM - Primary Angioplasty in AMI Controversies: Door-to-Balloon Time and Transport Adjunct Pharmacology, DES, and Multivessel Intervention
Giuseppe De Luca
8:55 AM - Fibrinolysis Before Angioplasty and Angioplasty After Fibrinolysis: Strategies and Recommendations in 2007
Frans Van de Werf
Daniel Burkhoff

LIVE CASE SESSION III: LEFT MAIN DISEASE
(Sponsored by Asian Pacific Society of Interventional Cardiology)
Moderator: Paul S. Teirstein
Co-Moderator: Andrejs Englis
Live Case Discussants: Balram Bhargava, Kenneth Chin, Chia-Yu Chou, Yaling Han, Duncan H. K. Ho, Takeshi Kimura, Manish A. Parikh, Takahiko Suzuki, Hideo Tamai

9:30 AM - Asan Medical Center
10:30 AM - Columbia University Medical Center
11:30 AM - Rabin Medical Center

SPECIAL SESSION: DRUG-ELUTING VS. BARE METAL STENT SELECTION: LATE BREAKING REGISTRIES AND EMERGING DATA
Moderators: Martin B. Leon, Gregg W. Stone
12:10 PM - SCARR Update: Outcomes of Drug-Eluting Compared to Bare Metal Stents in the Country of Sweden
Stefan K. James
12:20 PM - Late Breaking DES Registry - Western Denmark: Outcomes of Drug-Eluting Compared to Bare Metal Stents in Western Denmark (2-Year Follow-Up)
Lisette Oikkels Jensen
12:30 PM - Late Breaking DES Registry - Asan Medical Center DES Registry: Outcomes of Drug-Eluting Compared to Bare Metal Stents from Two Academic Hospitals in Korea (1- and 3-Year Follow-Up)
Seung-Jung Park
12:40 PM - NY State Database: Outcomes of Drug-Eluting Compared to Bare Metal Stents in New York
Edward L. Hannan
12:50 PM - Late Breaking Registry - STENT Registry: Outcomes of Drug-Eluting Compared to Bare Metal Stents from Multiple US Hospitals (2-Year Follow-Up)
Bruce R. Brodie
1:00 PM - Late Breaking Registry - GHOST: Outcomes of Drug-Eluting Compared to Bare Metal Stents from the Guthrie Health System (2- to 3-Year Follow-Up)
Kishore Harjai
1:10 PM - First Report Investigation - EVENT: Implications of Changing PCI Practice and Stent Use Patterns Between 2004 and 2006 on Clinical Outcomes
Neal S. Kleiman
1:20 PM - First Report Investigation - TAXUS Landmark Analysis: Impact of Long-Term Clopidogrel Usage on Death, Myocardial Infarction, and Stent Thrombosis
Gregg W. Stone
TUESDAY \ OCTOBER 23, 2007

1:30 PM - Moderated Discussion and Q&A
Panel Moderators: Martin B. Leon, Gregg W. Stone
Discussants: Bruce R. Brodie, Donald Cutlip, Edward L. Hannan, Kishore Harjai, Stefan K. James, Lisette Okkels Jensen, Neal S. Kleiman, Roxana Mehran, Seung-Jung Park, Patrick W. Serruys, Charles A. Simonton, Bram Zuckerman

INTERVENTIONAL PHARMACOLOGY
Moderator: Maurice Buchbinder
2:00 PM - Prognostic Impact of Hemorrhagic Complications and Myocardial Infarction in ACS and PCI: Establishing Priorities
Sunil V. Rao
2:15 PM - Aspirin and Thienopyridine Optimization in ACS and PCI: Dose Duration and Point-of-Care Testing
Adnan Kastrati
2:30 PM - Glycoprotein IIb/IIIa Inhibitors: Evolving Role in Interventional Cardiology
David F. Kong
2:45 PM - Unfractionated and Low-Molecular-Weight Heparins: Recent Trials, and Current Use Recommendations
Neal S. Kleiman
3:00 PM - Direct Anti-Thrombins: Use in Stable and Unstable Coronary Syndromes
Harvey D. White
3:15 PM - Factor Xa Inhibitors: From Oasis to Integration in an Interventional Environment
Shamir R. Mehta

LIVE CASE SESSION IV: CHRONIC TOTAL OCCLUSIONS
Moderator: Maurice Buchbinder
Co-Moderator: Takahiko Suzuki
Live Case Discussants: Louis A. Cannon, Charles Chan, Chia-Yu Chou, Angela Hoye, Roger J. Laham, Kazuaki Mitsudo, Masahiko Ochiai, Shigeru Saito, Etso Tsuchikane
3:30 PM - Columbia University Medical Center Heart Institute
4:30 PM - Saint Luke’s Mid America Heart Institute
5:30 PM - Carolinas Medical Center
6:30 PM - Adjourn

ENDOVASCULAR THEATER
8:00 AM-6:30 PM
Lower Level

SFA AND ILIAC INTERVENTION
Moderator: Giancarlo Biamino
Co-Moderator: Erich Minar
Panel Discussants: Daniel G. Clair, Anthony J. Galeo, Amir Motarjeme
8:00 AM - Selection Between Revascularization Options for Peripheral Vascular Disease: Critical Review of the 2007 TASC Classifications
Patrick J. Peeters
8:25 AM - Moderated Panel Discussion
8:30 AM - A Data-Driven Therapeutic Algorithm for Choosing Among Currently Available Tools for SFA Intervention
Giancarlo Biamino
8:55 AM - Moderated Panel Discussion
9:00 AM - The Future of SFA Endovascular Intervention: A 5-Year Forecast
John R. Laird, Jr
9:25 AM - Moderated Panel Discussion

LIVE CASE SESSION III: SFA AND IliACS
Moderator: Giancarlo Biamino
Co-Moderator: Erich Minar
9:30 AM - Ochsner Medical Center
10:30 AM - Clinique Louis Pasteur
12:00 PM - Break

RENA L AND MESENTERIC INTERVENTION
Moderator: Christopher J. Cooper
Co-Moderator: Kenneth Rosenfield
Panel Discussants: John R. Laird, Jr, Erich Minar, Robaayah Zambahari
2:00 PM - A Critical Appraisal of Renal Intervention: Do the Data Support Widespread Use?
Christopher J. Cooper
2:25 PM - Moderated Panel Discussion
2:30 PM - Is Embolic Protection in Renal Intervention Ready for Prime Time? Review of the Data and Technical Challenges
Andrew Holden
2:55 PM - Moderated Panel Discussion

3:00 PM - Mesenteric Intervention 2007: Overview of Indications, Anatomic Evaluation, Technique, and Outcomes
Greg Mishkel
3:25 PM - Moderated Panel Discussion

LIVE CASE SESSION IV: RENALS
Moderator: Christopher J. Cooper
Co-Moderator: Kenneth Rosenfield
Live Case Discussants: Rajesh M. Dave, Andrew Holden, Massoud A. Leesar, Oscar A. Mendiz, Charles D. O’Shaughnessy, Robert D. Safian, Peter A. Schneider, Thomas A. Sos, Thomas Zeller
3:30 PM - Ochsner Medical Center
5:00 PM - Riverside Methodist Hospital
6:30 PM - Adjourn

STRUCTURAL HEART DISEASE THEATER
8:00 AM-6:30 PM
Lower Level

ADULT CONGENITAL HEART DISEASE II: SHUNTS AND SEPTAL DEFECTS
Moderator: Ziyad M. Hijazi
8:00 AM - Anatomy, Evaluation, and Procedural Guidance of Atrial and Ventricular Septal Intervention Using TEE and ICE
Charles S. Kleinman
8:20 AM - A Comprehensive Tutorial for ASD Closure: Indications, Techniques, Clinical Outcomes
John F. Rhodes
8:40 AM - Muscular VSD Closure in the Adult: Clinical Spectrum and Catheter-Based Closure
Zahid Amin
8:50 AM - Post-Infarct VSD Closure: Indications, Techniques, and Clinical Outcomes
Eustaquio Onorato
9:00 AM - Patent Ductus Arteriosus: Diagnosis, Treatment Indications, and Interventional Therapies
Ziyad M. Hijazi
9:15 AM - Pulmonary Ateriovenous Malformations and Coronary AV Fistulae: Diagnosis, Treatment Indications, and Interventional Therapies
Lee N. Benson
**LIVE AND TAPED CASE SESSION III**
Moderator: Zyad M. Hijazi
Co-Moderator: Richard Smalling
Live Case Discussants: Stephen J. D. Brecker, Jeffrey C. Hellinger, David P. Lee, Chaim Lotan, Reginald I. Low, Francesco Maisano, Michael Mooney, Charles E. Mullins, Jason H. Rogers

4:00 PM - Columbia University Medical Center
4:30 PM - Taped Cases
5:00 PM - Adjourn

**HEALTH AND HUMAN SERVICES TOWN HALL MEETING**
8:00 am - 5:00 PM
Room 207AB
Directors: Michael Domanski, Aaron V. Kaplan, Mitchell W. Krucoff, Roxana Mehran, Steve Phurrough, Gregg W. Stone, Bram Zuckerman

**PERSPECTIVES AND NEW DIRECTIONS IN 2007/2008**

**HOT TOPICS 2007/2008 (GENERAL)**

**BARRIERS TO NEW DEVICE DEVELOPMENT AND APPROVAL**
Moderator: Mitchell W. Krucoff
8:30 AM - CDHR Perspectives
Daniel G. Schultz
9:40 AM - CDER Perspectives
Douglas C. Throckmorton
9:50 AM - CMS Perspectives
Steve E. Phurrough
10:00 AM - Industry Perspectives
Paul LaViolette
10:10 AM - Moderated Discussion and Q&A
Panel Moderator: Mitchell W. Krucoff

**THE CHALLENGES OF CLINICAL RESEARCH**
Moderator: Roxana Mehran
10:45 AM - FDA Perspectives
Bram Zuckerman
10:52 AM - NHLBI Perspectives
Michael Domanski
10:59 AM - US Physician Perspectives
Roxana Mehran
11:06 AM - European Physician Perspectives
Keith D. Dawkins
11:13 AM - Industry Perspectives
Scott Ward
11:20 AM - Moderated Discussion and Q&A
Panel Moderator: Roxana Mehran
Discussants: Donald S. Baim, Ashley B. Boam, David A. Cox, Keith D. Dawkins, Michael Domanski, Andrew Farb, Robert P. Fiorentino, Donald Hagler, Matthew G. Hillebrener, David E. Kandzari, William D. Knopf, John L. Petersen, Steve E. Phurrough, Mary E. Russell, Gerrit-Anne van Es, Scott Ward, Bram Zuckerman
12:00 PM - Break

**AVOIDING ADVERSE DEVICE AND DRUG EFFECTS: OVERREACTION OR NOT STRINGENT ENOUGH?**
Moderator: Aaron V. Kaplan
1:00 PM - CDHR Perspectives
Donna-Bea Tillman
1:07 PM - CDER Perspectives
Douglas C. Throckmorton
1:14 PM - Cardiac Safety Critical Path
Mitchell W. Krucoff
1:21 PM - Statistical Limitations in Safety Evaluation
Stuart J. Pocock
1:28 PM - Perspectives from a Journal Editor
Phil B. Fontanarosa
1:35 PM - Moderated Discussion and Q&A
Panel Moderator: Aaron V. Kaplan

**LIVE AND TAPED CASES SESSION IV**
Live Case Moderator: John G. Webb
Co-Moderator: Ted Feldman
Live Case Discussants: Joseph P. Carrozza, Jr, A. Marc Gillinov, James A. Goldstein, Michael J. Mullin, Sheryl F. Nagueh, Wesley R. Pedersen, Matthew J. Price, Charanjit S. Rihal, Jochen Wohlrle

3:30 PM - Swedish Heart and Vascular Institute
SESSION III: HOT TOPICS 2007/2008
(SPECIFIC)
REGULATORY PATHWAYS FOR PERCUTANEOUS AORTIC VALVES
Moderator: Martin B. Leon
2:15 PM - FDA Perspectives
Matthew G. Hlilbrener
2:20 PM - Industry Perspectives
Jodi J. Akin
2:25 PM - Moderated Discussion and Q&A
Panel Moderator: Martin B. Leon

REGULATORY PATHWAYS FOR PERCUTANEOUS MITRAL VALVE REPAIR
Moderator: Stephen G. Ellis
2:45 PM - FDA Perspectives
Julie A. Swain
2:50 PM - Industry Perspectives
Ferolyn T. Powell
2:55 PM - Moderated Discussion and Q&A
Panel Moderator: Stephen G. Ellis
Discussants: Fernando Aguel, Donald S. Bain, James I. Fann, Matthew G. Hlilbrener, Didier F. Loulmet, Mehrmet C. Oz, Steve E. Phurrough, Ferolyn T. Powell, Stanton Rowe, John S. Sapirstein, Lars G. Svansson, Frederick G. St. Goar, Julie A. Swain

ENDOVASCULAR PATHWAYS FOR DEVICE APPROVALS, INVESTIGATION, AND REIMBURSEMENT
Moderator: Michael R. Jaff
3:15 PM - FDA Perspectives
David S. Buckles
3:20 PM - Industry Perspectives
Mary Bellack
3:25 PM - CMS Perspectives
Steve E. Phurrough
3:30 PM - Moderated Discussion and Q&A
Panel Moderator: Michael R. Jaff

REVOLUTIONARY DIRECTIONS IN THE DES APPROVAL PROCESS AND POST-MARKET SURVEILLANCE: NEW DIRECTIONS SINCE THE DECEMBER 2006 SPECIAL PANEL MEETING
Moderator: Roxana Mehran
4:00 PM - Introductory Remarks I
Ashley B. Boam
4:08 PM - Introductory Remarks II
William H. Maisel
4:16 PM - Introductory Remarks III
Krishna Sudhir
4:24 PM - Moderated Discussion and Q&A
Panel Moderator: Roxana Mehran
Discussants: Ashley B. Boam, Donald Cutlip, Michael Domanski, Hesha Jani Duggirala, Andrew Farb, Thomas Gross, Elizabeth J. Hlilbrener, Mitchell W. Krucoff, William H. Maisel, Steve E. Phurrough, Campbell Rogers, John Sombreg, Krishna Sudhir, Lilly Q. Yue, Bram Zuckerman
5:00 PM - Adjourn

MORNING CONCURRENT SESSIONS

GUIDELINES AND EVIDENCE-BASED MEDICINE REVIEW II: PERCUTANEOUS CORONARY INTERVENTION AND DRUG-ELUTING STENTS
8:00 AM-11:50 AM Room 151AB
Revascularization in Patients with Stable Coronary Artery Disease
Moderators: Gregory J. Dehmer, Sidney Smith
8:00 AM - Indications for Revascularization in Patients with Stable Angina and Silent Ischemia
Bernard J. Gersh
8:15 AM - What New Insights Does COURAGE Bring to the Approach to Stable Ischemic Heart Disease?
Eric R. Bates
8:25 AM - Should Clinical Practice Change After COURAGE?
Bonnie H. Weiner
8:35 AM - Perspectives on PCI in Silent Ischemia: COURAGE, ACIP, and SWISS II
Matthias E. Pfisterer
8:47 AM - Evaluation and Revascularization of Patients before Non-Cardiac Surgery: Guideline Review and Critical Appraisal
Barry F. Uretsky
8:59 AM - TCT-103: Nationwide Trends in the Utilization of Coronary Artery Bypass Surgery (CABG) in the United States
M. Reza Movahed et al
9:09 AM - TCT-104: Temporal Trends in Coronary Revascularization Procedures, Outcomes, and Costs: Results From the US Medicare Program
Jason W. Ryan et al
9:19 AM - Controversial and Unsettled Guideline Issues in Patients with Stable Coronary Artery Disease: The European Perspective
Jean Marco
9:34 AM - Moderated Discussion and Q&A
Panel Moderators: Gregory J. Dehmer, Sidney Smith
Discussants: Eric R. Bates, Bernard J. Gersh, Michael J. Lim, Jean Marco, M. Reza Movahed, Matthias E. Pfisterer, Jason W. Ryan, Barry F. Uretsky, Bonnie H. Weiner

Drug-Eluting vs. Bare Metal Stent Issues and Adjunct Pharmacology
Moderators: Alice K. Jacobs, Spencer B. King III
John McB. Hodgson
10:09 AM - SCAAR Update and the National Response to “Home-Grown” Registry Data
Stefan James
10:21 AM - Perspectives on the Relative Impact of a Severe Low Frequency Event (Stent Thrombosis) vs. a Less Severe, More Frequent Event (Restenosis): Cost, Quality of Life, and Survival
John W. Hirshfeld, Jr
10:33 AM - TCT-105: Outcomes and Complications with Off- vs. On-Label Use of Drug-Eluting Stents: Results from the STENT Registry
Bruce R. Brodie et al
10:43 AM - Adjunct Pharmacology Issues I: Role of Aspirin and Clopidogrel Compliance in Stent Selection
Sidney Smith
10:55 AM - Adjunct Pharmacology Issues II: Chronic Management of the Stent Patient Requiring Warfarin
Neal S. Kleinman
11:07 AM - TCT-105: Comparison of Outcomes Between Patients Undergoing Percutaneous Coronary Stent Implantation with Eptifibatide and Abciximab: An Analysis Using Propensity Score Methods
Jean-Pierre Dery et al
11:17 AM - Controversial and Unsettled Guideline Issues in Stent Selection: The European Perspective
Sigmund Silber
Tuesday October 23, 2007

11:32 AM - Moderated Discussion and Q&A
Panel Moderators: Alice K. Jacobs, Spencer B. King III
Discussants: Bruce R. Brodie, Jean-Pierre Dery, John W. Hirshfeld, Jr, John McB. Hodgson, Stefan James, Laura Mauri, Sigmund Silber, Sidney Smith, David O. Williams
11:50 AM - Adjourn

INTERVENTIONAL PATHOBIOLOGY: INSIGHTS AND CLINICAL IMPLICATIONS
8:00 AM-12:00 PM
Room 147AB

Animal Models and Drug-Imeriting Stents
Moderators: Elazer R. Edelman, Renu Virmani
8:00 AM - The Spectrum of Animal Models to Study Atherosclerosis and Pathologic Responses to Intravascular Implants: Rabbits and Pigs and Mice, Oh My!
Juan F. Granada
8:10 AM - Animal Model Metrics to Predict Stent Safety and Efficacy: How Accurate Are They?
Keith A. Robinson
8:20 AM - In Vitro Assessment of Endothelialization: From Structure to Function
Renu Virmani
8:30 AM - Vascular Responses to Drug-Imeriting Stents I: Novel Clues to Stent Thrombosis
Aloke Finn
8:40 AM - Vascular Responses to Drug-Imeriting Stents II: Which of the New Devices Look Safer?
Renu Virmani
8:50 AM - Designing a Safer Drug-Imeriting Stent: Novel Insights from the Animal Laboratory
Elazer R. Edelman
9:00 AM - TCT-107: Defective Insulin Signaling Induces a Relative Resistance to Rapamycin via Loss of mTOR Regulation of p27Kip1 Protein Levels
T. Cooper Woods et al
9:10 AM - TCT-108: Increased Tissue Factor Expression After DES Implants in Porcine Coronary Arteries May Contribute to Late Stent Thrombosis
Go Haraguchi et al
9:20 AM - Moderated Discussion and Q&A
Panel Moderators: Elazer R. Edelman, Renu Virmani
Discussants: Aloke Finn, Juan F. Granada, Go Haraguchi, Keith A. Robinson, T. Cooper Woods

Ischemic Heart Disease
Moderators: Nicolas A. F. Chronas, Robert A. Kloner
9:40 AM - Novel Observations from the Development and Rupture of Vulnerable Plaque: Implications for Detection and Intervention
Greg L. Kaluza
9:50 AM - Plaque Rupture vs. Erosion: Histoanatomy, Frequency, and Risk Factors
Erling Falk
10:00 AM - Experimental Study of Reperfusion Injury in Acute Myocardial Infarction: Past Lessons Learned and Future Prospects
Robert A. Kloner
10:10 AM - Insights From Animal Investigation of Angiogenesis and Cell Therapy: Are We Growing New Blood Vessels and Myocytes?
Stefanie Dimmelner
Stefano Galli et al
10:30 AM - Moderated Discussion and Q&A
Panel Moderators: Stefanie Dimmelner, Robert A. Kloner
Discussants: Erling Falk, Stefano Galli, Greg L. Kaluza

Structural Heart Disease
Moderators: Daniel Burkhoff, Michael C. Fishbein
10:45 AM - Aortic and Mitral Valve Disease: Relevance of Pathology to Percutaneous Valve Replacement and Repair
Elena Ladhic
10:55 AM - Structure of the Atrial and Ventricular Septum: Implications for Percutaneous Closure of Septal Defects in Congenital Heart Disease and Post-MI
Robert S. Schwartz
11:05 AM - Morphology and Geometry of the Left Atrial Appendage and Its Role in Thromboembolic Disease: Implications for Exclusion and Stroke Prevention
Steven L. Almany
11:15 AM - The Pathology of Heart Failure and Insights from Experimental Models to Device Efficacy (VADs, Resynchronization, and Contractility Approaches, etc)
Daniel Burkhoff
11:25 AM - Atrial Arrhythmia Ablation: Expected and Surprising Tissue Reactions
Michael C. Fishbein
11:35 AM - TCT-110: Noninvasive Imaging of the Human Coronary Sinus and Its Relationship to Mitral Annulus and Coronary Arteries in Normal and Mitral Regurgitation Patients
Olivier Dubreuil et al
11:45 AM - Moderated Discussion and Q&A
Panel Moderators: Daniel Burkhoff, Michael C. Fishbein
Discussants: Steven L. Almany, Olivier Dubreuil, Elena Ladhic, Robert S. Schwartz
12:00 PM - Adjourn

PLAQUE MODIFICATION AND DEBUHLING IN THE CORONARY AND PERIPHERAL CIRCULATIONS: AHEROTOMY, AHEROTOMY, AND LASER
Dedicated to the Memory of Gregory A. Braden, MD
8:00 AM - Coronary Plaque Modification and Modulation: What Are the Indications?
Steven R. Bailey
8:10 AM - When (and Why) to Use Cutting and Scoring Balloons: Intuition or Evidence-Based Medicine?
Jorge F. Saucedo
8:20 AM - Plaque Modulation During Peripheral Artery Intervention: Rationale, Devices, and Results
Dierk Scheinert
8:30 AM - TCT-111: The Effect of Debuking Pre-Drug-Imeriting Stent for Bifurcated Coronary Lesions in Unprotected Left Main: Subanalyses of the PERFECT Registry
Yuji Oikawa et al
8:40 AM - Moderated Discussion and Q&A
Panel Moderators: Gary Gershony, Dierk Scheinert
Discussants: Steven R. Bailey, Yuji Oikawa, Jorge F. Saucedo

Directional Aherotomry (Silverhawk)
Moderators: David E. Allie, Rajesh M. Dave
8:55 AM - Silverhawk Aherotomry in Peripheral Occlusive Disease: Technique Evolution and Long-Term Results
Lawrence A. Garcia
9:10 AM - Coronary Experiences with Silverhawk Aherotomry: Time to Reconsider?
Gregory C. Robertson

www.TCT2007.com
9:20 AM - First-in-Man Outcomes with the OCT-Navigated Nighthawk Atherocath
Pawel E. Buszman

R. Stefan Kiesz et al

9:40 AM - Moderate Discussion and Q&A
Panel Moderators: David E. Allie, Rajesh M. Dave
Discussants: Pawel E. Buszman, Lawrence A. Garcia, R. Stefan Kiesz, Gregory C. Robertson

 Coronary and Peripheral Atherectomy
Moderators: Eulogio Garcia, Thomas Zeller

9:55 AM - Selective or Frequent Use of High Speed Rotational Atherectomy during Percutaneous Coronary Intervention? DESPERADO Results
D. Christopher Metzger

10:05 AM - Tips and Tricks for High Speed Rotational Atherectomy Use Prior to DES Implantation
Eulogio Garcia

10:15 AM - Orbital Atherectomy: Results of the US Registry in Peripheral Arterial Disease and Initial Coronary Experiences
Jeff Chambers

10:25 AM - The Pathway Medical Device: 6-Month Results from the European Gen-1 Registry and Preliminary Results with the Gen-2 Device
Thomas Zeller

10:35 AM - TCT-113: Orbital Atherectomy for Percutaneous Treatment of Below-the-Knee Vascular Stenosis: Results of the OASIS Multicenter Study
Khusrow Niazi et al

10:45 AM - Moderate Discussion and Q&A
Panel Moderators: Eulogio Garcia, Thomas Zeller
Discussants: Jeff Chambers, D. Christopher Metzger, Khusrow Niazi

Excimer Laser Photoablation
Moderators: Roger Gammon, On Topaz

11:00 AM - When to Consider Lasers in the Coronary Circulation
Jacques J. Koolen

11:10 AM - Excimer Laser in Coronary Chronic Total Occlusions
On Topaz

11:20 AM - Results of the CELLO Trial (Turbo Booster in SFA Lesions)
Rajesh M. Dave

11:30 AM - Moderated Discussion and Q&A
Panel Moderators: Roger Gammon, On Topaz
Discussants: Rajesh M. Dave, Jacques J. Koolen

LUNCHTIME ACTIVITIES
12:15 PM - 1:45 PM

CONFlict of interest in Cardiovascular Interventional Investigation and Practice
Room 201
Chair: Richard L. Popp

12:15 PM - Introduction, Session Goals, and Background
Richard L. Popp

12:20 PM - Where is the Conflict? Physicians as Enrollers of Their Own Patients in Investigational Studies
Chaim Lotan

12:25 PM - Where is the Conflict? The Company Paid/Equity Holding Advisor as Cath Lab Purchasing Agent
Alan C. Yeung

12:30 PM - Where is the Conflict? The Company Paid/Equity Holding Advisor as an Investigator in a Study of the Company’s Product
Louis A. Canon

12:35 PM - Where is the Conflict? The Independent Clinical Investigator in an Industry Sponsored Study of Its Product
Steven R. Bailey

12:40 PM - Where is the Conflict? Device Inventors as Investigator of Their Device
Tim A. Fischell

12:45 PM - Where is the Conflict? Company Employees as Speakers about Their Company’s Product
Donald S. Baim

12:50 PM - Case Presentation: A New Device Recently Used in a First-in-Man Study Reported at an International Medical Meeting
Rajesh M. Dave

Panel Moderator: Richard L. Popp
Case Presenter: Louis A. Cannon
Discussants: Steven R. Bailey, Donald S. Baim, Tim A. Fischell, Peter J. Fitzgerald, Chaim Lotan, Alan C. Yeung

1:10 PM - Moderated Discussion and Q&A
Panel Moderator: Richard L. Popp
Discussants: Steven R. Bailey, Donald S. Baim, Louis A. Cannon, Tim A. Fischell, Peter J. Fitzgerald, Chaim Lotan, Alan C. Yeung

NEW DIRECTIONS in LIpID MANAGEMENT in PATIENTS with Atherosclerosis, ACS, and PCI
Room 202A
Chairs: LeRoy E. Rabbani, H. Robert Superko

12:15 PM - Pleiotropic Effects of Statins in Patients with Atherosclerosis
Michael Haude

12:20 PM - Statin Therapy in ACS and AMI: Timing and Intensity
LeRoy E. Rabbani

12:25 PM - How Low Should LDL be Driven?
James H. Chesebro

12:30 PM - Safety of Long-Term Statins: From Myositis to ALS: A Critical Appraisal
Sidney Smith

12:35 PM - Can the Statin/Clopidogrel Interaction Issue Finally Be Put to Rest?
Stephen R. Steinshubl

12:40 PM - HDL-Based Therapeutics for Atherosclerosis
H. Robert Superko

12:45 PM - Re-Examination of the Role of Statins in the PCI Patient
Germano Di Sciascio

12:50 PM - Lessons Learned from the Torcetrapib Trials
E. Murat Tuzcu

12:55 PM - Is Hypertriglyceridemia the New Risk Factor? (and How to Treat It)
Mark Goldberger

1:00 PM - Special Considerations for Lipid Management in the Diabetic Patient
Mark Goldberger
1:05 PM - Case Presentation: Diagnosing and Treating Refractory Hyperlipidemia in a Patient with Premature Atherosclerosis
Panel Moderators: LeRoy E. Rabbani, H. Robert Superto
Case Presenter: Peter J. Casterella
Discussants: James H. Chesebro, Germano Di Sciascio, Mark Goldberger, Michael Haude, Stephen R. Steinshubl, E. Murat Tuzcu

SFA AND INFRA-POPLITEAL DISEASE: WHAT IS THE STANDARD OF CARE?
Room 202B
Moderator: James D. Joye

12:30 PM - Is Stenting Now the Gold Standard for Short and Long Lesions in the SFA?
Hans Krankenberg

12:35 PM - Stent Fracture after Bare Metal and Drug-Eluting Peripheral Stents: Magnitude of the Problem and Consequences
Dierk Scheinert

FELLOWS LUNCH: MEDICAL EDUCATION AND TESTING IN THE US
Room 209ABC
Moderators: Joseph D. Babb, Gloria Weisz

12:15 PM - Interventional Cardiology Training Programs: Structure, Function and Evaluation
Joseph D. Babb

12:25 PM - Q&A

12:30 PM - Certification and Recertification Issues in Interventional Cardiology
David P. Faxon

12:40 PM - Q&A

12:45 PM - Vascular Medicine and Endovascular Therapy Training
Kenneth Rosenfield

1:00 PM - The Vascular Boards
Michael R. Jaff

1:10 PM - Q&A

1:15 PM - Integrating Endovascular Training Within the Interventional Cardiology Program Curriculum
Jeffrey J. Popma

1:25 PM - Q&A

1:30 PM - The Role of High Fidelity Simulation in Training and Certification
Gloria Weisz

1:40 PM - Moderated Discussion and Q&A
Panel Moderators: Joseph D. Babb, Gloria Weisz
Discussants: David P. Faxon, Michael R. Jaff, Jeffery J. Popma, Kenneth Rosenfield

CASE REVIEWS WITH THE EXPERTS

Acute Infarct Angioplasty and the Thrombus-Containing Lesion I
Room 150A
David A. Cox, Simon R. Dixon, Mark A. Turco, Bernhard Witzenbichler

Angioplasty Potpourri: Anatomic and Clinical Oddities
Room 144B
Fernando Alfonso, H. Vernon Anderson, Jeffrey A. Brinker, Chian-Jen Chen

Bifurcation Disease: Technique Selection and the Step-by-Step Approach II
Room 152A
Jiyan Chen, Frederic S. Resnic, Huay Cheem Tan, Damras Tresukosol

Complex Carotid and Brachiocephalic Interventions II
Room 149AB
Alberto Cremonesi, Robert D. Safian, Luigi Salemme, Jiri J. Vitek

Evolving Strategies for Iliofemoral Disease
Room 143C
Rajesh M. Dave, Anthony J. Galeo, Rosli Mohd Ali, Michael H. Wholey

My Worst Complications: Endovascular Intervention II
Room 150B
Robert M. Bersin, Mark W. Burket, Thomas A. Ischinger, Jean-Claude Laborde

My Worst Complications: Coronary Intervention II
Room 150B
Antonio L. Bartorelli, Joseph P. Carozza, Jr, Tarlochan Singh Kler, Michael Mooney

Structural Heart Disease II: My Worst Complications: ASD, PFO, and VSD Misadventures
Room 144A
Peter S. Fail, Ignacio Inglessis-Azuaje, Jan R. Resar, Jochen Wohrle
Renal Artery Stenting With and Without Protection
Room 143A
Bernard De Bruyne, Michel Henry, Robaayah Zambahari, Thomas Zeller

2:30 PM - TCT-96: Cytotoxic T Lymphocyte Antigen 4 Gene Polymorphism Associated with ST-Segment Elevation Acute Myocardial Infarction
Hon-Kan Yip et al

2:40 PM - From Genes and Biomarkers to Clinical Perspectives and Metabolomics: Emerging Tools for Future Clinicians
Frank J. Giordano

2:55 PM - Moderated Discussion and Q&A
Panel Moderators: W. Craig Hooper, Michael Simons
Discussants: James H. Chesebro, Frank J. Giordano, Hon-Kan Yip

Emerging Themes
Moderators: James H. Chesebro, H. Robert Superko

3:10 PM - Genetic Variation, Sex, Age, and Ethnicity: Implications for Cardiovascular Disease
W. Craig Hooper

3:25 PM - The Role of Genomics in Healthy Disparities: Implications for Race-Based Medicine, and What is Normal?
George A. Mensah

3:40 PM - Genetic Network Analysis of Restenosis
Euan Ashley

3:55 PM - TCT-98: Diagnostic and Prognostic Values of Platelet Glycoprotein Ib/IIa Gene Polymorphism in the Pathogenesis of In-Stent Restenosis
Helmy H. El-Ghawaby et al

4:05 PM - Moderated Discussion and Q&A
Panel Moderators: James H. Chesebro, H. Robert Superko
Discussants: Euan Ashley, Roger Hajjar, W. Craig Hooper, George A. Mensah

Emerging Clinical Applications
Moderators: Hina W. Chaudhry, Frank J. Giordano

4:20 PM - Multi-Biomarker Panels: Implications for Cardiovascular Disease Management Using an Integrative Family History, Genomic, and Proteomic Approach
H. Robert Superko

4:35 PM - Featured Lecture: Genetic Approaches to the Prevention of Ischemic Heart Disease and the Treatment of Myocardial Infarction
Hina W. Chaudhry

4:50 PM - Immunomodulation, HDL, and Vaccines for Atherosclerosis
Kathryn Momary

5:05 PM - Gene Therapy for Endstage Ischemic Heart Disease: Current Status and Future Directions
Duncan J. Stewart

5:20 PM - Gene Therapy for Peripheral Vascular Disease: Current Status and Future Directions
Brian H. Annex

5:35 PM - TCT-97: Gene Transfer of Sarco/Endoplasmic Reticulum Calcium ATPase Inhibits Neointima Formation in Human Mammary Arteries While Augmenting Endothelial Cell Proliferation
Roger Hajjar et al

5:45 PM - Moderated Discussion and Q&A
Panel Moderators: Hina W. Chaudhry, Frank J. Giordano

6:00 PM - Adjournal

TOP INTERVENTIONAL TRIALS OF THE LAST YEAR: DIGGING BENEATH THE SURFACE
2:00 PM-6:00 PM
Room 151AB

Trials Investigating the Appropriateness of PCI
Moderators: Roxana Mehran, David O. Williams

2:00 PM - The COURAGE Trial
Eric R. Bates

2:10 PM - The OAT Trial
Eric R. Bates

2:20 PM - TCT-134: Treatment of Patients with Single Lesion in the Proximal Segment of Left Anterior Descending Artery Suffering from Chronic Stable Angina: Drug-Eluting Stents vs. Surgical Treatment with Left Internal Mammary Artery Grafting
Eleftherios Tsiamis et al

2:30 PM - Critical Appraisal: How Should These Trials Change Practice?
Jeffrey J. Popma

2:42 PM - Moderated Discussion and Q&A
Panel Moderators: Roxana Mehran, David O. Williams
Discussants: Eric R. Bates, Larry S. Dean, Michael J. Lim, Jeffrey J. Popma, Helmut Schuhlen, Eleftherios Tsiamis

Studies Investigating the Appropriate Use of Drug-Eluting Stents
Moderators: Howard C. Herrmann, David O. Williams
5:02 PM - TCT-137: Safety and Efficacy of Switching from Either Unfractionated Heparin or Enoxaparin Plus a Glycoprotein IIb/IIIa Inhibitor to Bivalirudin Monotherapy in Patients with Non-ST Elevation Acute Coronary Syndromes Managed with an Invasive Strategy: Results from the Randomized ACUITY Trial
Harvey D. White et al

5:12 PM - FINESSE
Stephen G. Ellis

5:22 PM - CARESS
Dariusz Dudek

5:32 PM - Critical Appraisal: How Should These Trials Change Practice?
Steven R. Steinbruehl

5:44 PM - Moderated Discussion and Q&A
Panel Moderators: Dean J. Kereiakes, Steven R. Steinbruehl
Discussants: Dariusz Dudek, Stephen G. Ellis, Frederick Feit, Expedito E. Ribiero, Allan M. Ross, Ulf Stenestrand, Harvey D. White

6:00 PM - Adjourn

BEST OF ENDOVASCULAR INTERVENTIONAL ABSTRACTS
Room 147AB

SFA Intervention
Moderators: Mark C. Bates, Hans Krankenberg
Discussants: Adrian A. Ebner, Nicholas Morrissey, Robert M. Schainfeld, Matthew R. Selmon

2:00 PM - TCT-84: Long-Term Results of Stenting TASC C Lesions in the SIROCCO II Study: Multicenter, Prospective, Double-Blinded, Randomized, Two-Arm Feasibility Clinical Investigation of the Cordis Sirolimus Coated SMART™ Nitinol Self-Expandable Stent for the Treatment of Obstructive Superficial Femoral Artery Disease
Dierk Scheinert et al

2:15 PM - TCT-87: Interim Report on the Zilver(R) PTX™ Clinical Trial
Mark W. Burket et al

2:30 PM - TCT-86: Diagnostic Accuracy of Renal Pressure Measurements to Assess the Significance of Renal Artery Stenosis: Comparison with Intravascular Ultrasound, Quantitative Angiography, and Duplex Ultrasound
Massoud A. Leesar et al

2:45 PM - TCT-85: Severe Calcification and Length of Stented Segments Are Independent Risk Factors for Stent Fractures
Jacqueline Sax et al

Endovascular Intervention
Moderators: Amir Motarjeme, Michael H. Wholey
Discussants: R. Stefan Kiesz, Mahmood K. Razavi, Luigi Salemme, James P. Zidar

3:00 PM - TCT-88: Treating Below-the-Knee Critical Limb Ischemia with Drug-Eluting Stents: Early and Late Clinical Outcomes
Andrew Feiring

3:15 PM - TCT-89: Long-Term Durability of Endoluminal Stenting for Obstructive Lesions of the Subclavian Artery: Multicenter Registry
Sunao Nakamura et al

3:30 PM - TCT-90: The Long-Term Prognosis of Patients with Small Abdominal Aortic Aneurysms Following Surgery or Surveillance: 12-Year Final Follow-Up of Patients Enrolled in the UK Small Aneurysm Trial
Roger M. Greenhalgh et al

3:45 PM - TCT-91: Increased Incidence of Disease-Related Complications with the Use of SilverHawk Atherectomy for the Treatment of Infragenicular Peripheral Arterial Disease
Luis A. Guzman et al

Carotid Intervention
Moderators: Alberto Cremonesi, Peter S. Fial
Discussants: Franz Wolfgang Amann, Nicola Corvaja, Zvonimir Krajcer, Fayaz Shafi

4:00 PM - TCT-92: Three-Year Follow-Up After Carotid Artery Stenting in High Surgical Risk Patients: The BEACH and CABERNET Trials
L. Nelson Hopkins et al

William A. Gray et al

4:30 PM - TCT-94: Closed- or Open-Cell Stents in Carotid Artery Stenting? Short-Term Outcome of Patients Undergoing Carotid Stenting According to Stent Type
Dimitrios N. Nikas et al

4:45 PM - TCT-95: Hyperperfusion Syndrome Following Carotid Artery Stenting: The Largest Single-Operator Series to Date
Hutton P. Brantley et al

5:00 PM - Adjourn
SPECIAL EVENING SESSION

BREAKTHROUGHS IN CARDIAC SURGERY: WHAT THE INTERVENTIONALIST NEEDS TO KNOW
6:00 PM-8:00 PM
Room 149AB
Moderators: Steven F. Bolling, Mehmet C. Oz, Craig R. Smith

6:00 PM - When is Minimally Invasive Robotic Surgery Better than Stents for the LAD? When Should Hybrid Procedures Be Considered?
Sudhir Srivastava
6:15 PM - Q&A
6:20 PM - Surgical vs. Endograft Management of Thoracic Aortic Aneurysms
Leonard N. Girardi
6:35 PM - Q&A
6:40 PM - Repairing the Aortic Valve: Science Fiction or Reality?
Allan S. Stewart
6:55 PM - Q&A
7:00 PM - Transcatheter Aortic Valve Replacement: Advantages and Limitations of Transapical vs. Femoral Access
Mathew Williams
7:15 PM - Q&A
7:20 PM - Percutaneous Mitral Valve Repair is the Future for Many Patients
Mehmet C. Oz
7:35 PM - Q&A
7:40 PM - Why Minimally Invasive Mitral Valve Repair Will Remain the Gold Standard
Michael Argenziano
7:55 PM - Q&A
8:00 PM - Adjourn

EVENING SYMPOSIA
8:00 PM-10:00 PM
Refer to pages 101-104 for complete program schedule.

In Memoriam

Gregory A. Braden, MD

Gregory A. Braden, MD, a pioneer in the treatment of patients with complex coronary artery disease and emerging interventional devices, died on August 13, 2007, at the age of 50.

Dr. Braden was a yearly faculty member at the annual TCT Symposium in addition to numerous other courses sponsored by the Cardiovascular Research Foundation.

He was a superb clinician as well as a dedicated academic interventional cardiologist.

We will greatly miss Greg's talents and insights, inspiration, camaraderie, and heartwarming humor.
Cardiovascular Research Foundation

The Cardiovascular Research Foundation (CRF) is dedicated to improving the quality of life of patients with cardiovascular disease by advancing the development and use of safe, effective, and minimally invasive cardiovascular treatments. We work with partners in diverse fields and at various stages to translate knowledge and ideas into improvements in patient care. From academic researchers and individual investigators to medical device and pharmaceutical companies, to medical societies and independent health professionals, CRF has the experience and expertise to focus and advance your vision.

**Preclinical Research**: Investigating scientific models to enhance the development of cardiovascular disease therapies.

**Clinical Trials Management**: Evaluating new therapies in a full spectrum of clinical research trials.

**Education and Physician Training**: Educating medical professionals and the public to enhance patient outcomes.

*Stop by the Cardiovascular Research Foundation Booths on the L Street Bridge*
WEDNESDAY \ OCTOBER 24, 2007

**BREAKFAST MEETINGS**
7:00 AM-8:00 AM
Refer to pages 104-105 for complete program schedule.

**PHYSICIAN TRAINING CENTER**
9:00 AM-5:00 PM
Lower Level

Hands on Hearts, Specialty Device Training, TeachImage™
Refer to pages 96-97 for details.

**MAIN ARENA**
8:00 AM-6:15 PM
Ballrooms ABC, Level 3

**PLENARY SESSION 16: LIVE CASE SESSION V**
Moderator: Gregg W. Stone
Co-Moderator: Ted Feldman
8:00 AM - HELIOS Heart Center
8:30 AM - Columbia University Medical Center
9:00 AM - University of Colorado Hospital
9:30 AM – King’s College Hospital

**PLENARY SESSION 17: PCI CONTROVERSY IV**
Moderator: Gregg W. Stone
10:00 AM - A “Balanced” Perspective on Transcatheter Aortic and Mitral Valve Therapies: Managing the Conundrum of Patient Need, Evolving Technology, Physician Training, and Clinical Trials
Robert O. Bonow
10:15 AM - “No Holds Barred” Panel Discussion
Discussants: Don Bobo, Steven F. Bolling, Robert O. Bonow, Ted Feldman, Martin B. Leon, Ferolyn T. Powell, Alan Schwartz, John G. Webb, Bram Zuckerman

**PLENARY SESSION 18: LATE BREAKING CLINICAL TRIALS III**
Moderator: Gregg W. Stone
“BLOCKBUSTER” TRIAL OF THE DAY: HORIZONS AMI
10:30 AM - Balancing Pharmacologic and Interventional Strategies in Patients with Acute Coronary Syndromes and Myocardial Infarction
Christopher P. Cannon
10:50 AM - HORIZONS AMI: A Prospective, Randomized Comparison of Bivalirudin vs. Heparin Plus Glycoprotein IIb/IIIa Inhibitors During Primary Angioplasty in Acute Myocardial Infarction: 30-Day Results
Gregg W. Stone
11:05 AM - Critical Appraisal of the HORIZONS AMI Trial
Michel E. Bertrand
11:10 AM - Panel Discussion
Panel Moderator: Jeffrey J. Popma
11:30 AM - DEDICATION STENT: A Prospective, Randomized Comparison of Drug-Eluting and Bare Metal Stents in Acute Myocardial Infarction: 8-Month Clinical and Angiographic Results
Henning Kelbaek
11:42 AM - Critical Appraisal of the DEDICATION STENT Trial
Bruce R. Brodie
11:45 AM - TITAX AMI: A Prospective, Randomized Trial Comparing a Titanium-Nitride-Oxide Coated Stent and a Paclitaxel-Eluting Stent in Acute Myocardial Infarction: 1-Year Clinical Results
Pasi Karjalainen
11:57 AM - Critical Appraisal of the TITAX AMI Trial
Christian M. Spaulding

**LATE BREAKING STUDIES AND FIRST REPORT INVESTIGATIONS**
Moderators: John McB. Hodgson, Erick Schampaert
12:00 PM - ENDEAVOR SAFETY: Adjudicated Pooled Meta-Analysis of the Early and Late Safety of a Zotarolimus-Eluting Stent
Laura Mauri
12:12 PM - Critical Appraisal of ENDEAVOR SAFETY Meta-Analysis
Mitchell W. Krucoff
12:15 PM - BIFURCATIONS Bad Krozingen: A Prospective, Randomized Trial of Provisional and T-Stent Techniques in Patients with Bifurcation Disease: 9-Month Angiographic and 12-Month Clinical Results
Miroslaw Ferenc
12:27 PM - Critical Appraisal of the BIFURCATIONS Bad Krozingen Trial
Yves R. Louvard
12:30 PM - CACTUS: A Prospective, Randomized Comparison of Crush vs. Provisional T Stenting in Bifurcated Coronary Lesions: Angiographic and 30-Day Results
Antonio Colombo
12:42 PM - NORDIC STENT TECHNIQUE: A Prospective, Randomized Trial of the Crush and Culotte Techniques in Patients with Bifurcation Disease: 6-Month Clinical Results
Matti J. Niemela
12:54 PM - Critical Appraisal of the CACTUS and NORDIC STENT TECHNIQUE Trials
Jeffrey W. Moses
12:59 PM - CHREDIT: A Prospective, Randomized Trial of Selective vs. Routine Paclitaxel-Eluting Stent Use in Patients with Multivessel Disease: Cost-Effectiveness Analysis at 12 through 24 Months
Massimo Mancone
1:11 PM - Critical Appraisal of the CHREDIT Trial
David J. Cohen
1:14 PM - PACCOCATH ISR 1 and 2: A Prospective, Randomized Trial of a Paclitaxel-Eluting Balloon in In-Stent Restenosis Lesions: 2-Year Results
Bruno Scheller
1:26 PM - Critical Appraisal of the PACCOCATH ISR 1 and 2 Trials
Keith D. Dawkins
1:29 PM - PEPCAD I SVD and PEPCAD II: Investigations of a Paclitaxel-Eluting Balloon in Small Vessels and In-Stent Restenosis Lesions: 6-Month Clinical and Angiographic Results
Martin Unverdorben
1:41 PM - Critical Appraisal of the PEPCAD I SVD and PEPCAD II Studies
Antonio Colombo
1:44 PM - MIST I Final and MIST III: Sham-Controlled Randomized Evaluation of PFO Closure to Prevent Migraine: Long-Term and Crossover Results
Andrew J. Dawson
1:56 PM - Critical Appraisal of the MIST I Final and MIST III Trials
Jonathan M. Tobis
PLENARY SESSION 19: PCI INDICATIONS
III: WHEN PCI THERAPY IS INDICATED FOR CORONARY ARTERY DISEASE
Moderator: Martin B. Leon
DEBATE: BARE METAL STENTS VS. DRUG-ELUTING STENTS
2:15 PM - BMS as the First Choice for Majority of Patients Jean Marco
2:30 PM - DES as the First Choice for Most Patients Patrick W. Serruys
2:45 PM - Panel Discussion Discussants: Antonio Colombo, Jean Marco, Patrick W. Serruys, David O. Williams

PLENARY SESSION 20: LIVE CASE SESSION VI
3:00 PM - Rush University Medical Center
3:30 PM - Max Heart and Vascular Institute
4:00 PM - Minneapolis Heart Institute
4:30 PM - University of Colorado Hospital

TCT AWARD PRESENTATION
Moderator: Martin B. Leon
5:00 PM - TCT 2007 Thomas J. Linnemeier Spirit of Interventional Cardiology Young Investigator Award Gregg W. Stone

PLENARY SESSION 21: PCI CONTROVERSIES V
Moderator: Martin B. Leon
5:15 PM - Vulnerable Plaque Pathophysiology, Detection, and Therapy: What Are the Critical Data Gaps? Does Focal or Regional Interventional Therapy Stand a Chance? Valentín Fuster
5:30 PM - “No Holds Barred” Panel Discussion Discussants: Valentín Fuster, Juan F. Granada, James E. Muller, Harry R. Phillips, Christodoulou I. Stefanidis, Renu Virmani, Sergio Waxman
5:45 PM - Will Stem Cell Therapies Become a Meaningful Alternative for Refractory Ischemia and/or Heart Failure in the Future? Stephen E. Epstein
6:00 PM - “No Holds Barred” Panel Discussion Discussants: Daniel Burkhoff, Nabil Dib, Stephen E. Epstein, Moshe Y. Flugelman, Warren Sherman, Doris A. Taylor
6:15 PM - Adjourn

CORONARY THEATER
8:00 AM-6:30 PM Lower Level

JIM SPECIAL SESSION
Moderator: Antonio Colombo
PERCUTANEOUS AORTIC VALVE REPLACEMENT
8:00 AM - Percutaneous Aortic Valve Replacement I: Device Overviews and Global Results with the Edwards and CoreValve Prostheses Susheel Kodali
8:15 AM - Percutaneous Aortic Valve Replacement II: A Detailed Review of the Transfemoral Procedure with Essential Tips and Tricks for Success Jeffrey W. Moses

LIVE CASE SESSION V
8:30 AM - HELIOS Heart Center
Moderator: Antonio Colombo Co-Moderator: Jeffrey W. Moses Live Case Discussants: Alexandre Abizaid, Andrea Abizaid, David Antonucci, Anders M. Galloe, Ioannis Iakovou, Ross Prpic, Bernard Reimers, Bruno Scheller, Glenn Van Langenhove

COMPLEX CORONARY INTERVENTION
10:00 AM - Unprotected Left Main Stenting: Current Experience, Case Selection, and Literature Review Alaide Chieffo
10:20 AM - The Individualized Approach to Bifurcation Lesions: A Case-Based Review Demonstrating Current Recommendations Azeem Labib
10:40 AM - Three Interesting Teaching Cases: What You Don’t See Every Day Antonio Colombo

EUROPCR SPECIAL SESSION
Moderators: Jean Marco, Patrick W. Serruys
THE DRUG-ELUTING STENT DEBATE: HAVE WE MOVED BEYOND THE SAFETY CONCERNS?
11:00 AM - Pro: The Benefits Are Real, the Safety Issues Manageable Stephan Windecker
11:15 AM - Contra: Safety Concerns Still Dictate Treatment Decisions Stefan K. James

LIVE CASE SESSION VI
11:30 AM - Institut Hospitalier Jacques Cartier
Moderator: Patrick W. Serruys Co-Moderator: Jean Marco Live Case Discussants: Kevin J. Beatt, Giancarlo Bianino, Joost Daemen, Bernard De Bruyne, Jose M. de la Torre, Robert J. de Winter, Gerrit J. Laarman, Alec Vahanian, Stefan Verheyne
PERCUTANEOUS AORTIC VALVE REPLACEMENT IS HERE: ARE WE READY?
1:00 PM - Pro: CE Mark Is Here, Reimbursement Is Coming: Patients Benefit Patrick W. Serruys
1:15 PM - Contra: Surgery Is Still the Benchmark Patrick Nataf

EUROPCR DIDACTIC SESSION: EUROPEAN PERSPECTIVES: COMPLEX CORONARY INTERVENTION
1:30 PM - Multivessel Disease and Left Main Revascularization: Lessons Learned from Euro Heart Survey Sigmund Silver
1:45 PM - Long-Term Follow-Up After Multivessel Drug-Eluting Stents: Impact of Gender Bernard De Bruyne

INTERVENTIONAL POTPOURRI
Moderator: Jeffrey W. Moses
2:00 PM - Optimal Management of Simple and Complex Multivessel Disease: Deciding Between Medical, Surgical, and PCI Strategies Keith D. Dawkins
2:20 PM - Cath Lab Misadventures: When Disaster Strikes (Management of Perforations, Vessel Closure, and Other “Rich Emotional Experiences”) John S. Douglas, Jr
2:35 PM - The Transradial Approach to Coronary Intervention: Rationale and a Step-by-Step Guide Martial Hamon
2:55 PM - Perspectives on Access Site Closure Devices: Penetration Patterns, Patient Selection, Value-Added Justification, and an Assessment of Current and Future Devices
Robert J. Applegate

3:15 PM - Septal Ablation for Hypertrophic Cardiomyopathy: Patient Selection, Technique, Clinical Outcomes, and Physician Training Requirements
William Spencer

LIVE CASE SESSION V: UNUSUAL CASES
Moderator: Jeffrey W. Moses
Co-Moderator: Jeffrey J. Popma
Live Case Discussants: Jorge A. Belardi, John S. Douglas, Jr, Run-Lin Gao, James B. Hermiller, Jr, Jacques J. Koolen, D. Christopher Metzger, Masato Nakamura, Sigmund Silber, George W. Vetrovec

3:30 PM - King’s College Hospital
4:30 PM - Max Heart and Vascular Institute
5:30 PM - Minneapolis Heart Institute
6:30 PM - Adjourn

ENDOVASCULAR THEATER
8:00 AM-6:30 PM
Lower Level

ABDOMINAL AND THORACIC AORTIC ANEURYSMS
Moderator: Roy K. Greenberg
Panel Discussants: Vivek Gupta, Lindsay S. Machan, James F. McKinsey
8:00 AM - Management Considerations for Patients with Aortic Aneurysms: Screening, Preprocedural Assessment, Therapeutic Options and Follow-Up Testing
J. Michael Bacharach
8:25 AM - Moderated Panel Discussion
8:30 AM - Abdominal Aortic Endograft State-Of-The-Art: Device Innovation and Limitations and Future Solutions
Roy K. Greenberg
8:55 AM - Moderated Panel Discussion
9:00 AM - Thoracic Aortic Aneurysm and Dissection: Natural History and Results of Surgical and Device-Based Intervention
Christoph A. Nienaber
9:25 AM - Moderated Panel Discussion

LIVE CASE SESSION V: AORTIC AND THORACIC ANEURYSMS
Moderator: Roy K. Greenberg
Co-Moderator: Christopher K. Zarins
Live Case Discussants: Jacques Busquet, Elliot L. Chaikof, David H. Deaton, Hugo F. Londero, Takao Ohki, Juan C. Parodi, Allan S. Stewart, Frank J. Veith, Grayson H. Wheatley

9:30 AM - Baptist Cardiac and Vascular Institute
11:00 AM - Columbia University Medical Center
12:00 PM - Break

ENDOVASCULAR POTPOURRI
Moderator: Krishna Rocha-Singh
Co-Moderator: Mahmood K. Razavi
Panel Discussants: Lindsay S. Machan, Luigi Salemme, Frederick G. St. Goar
2:00 PM - Stop The Madness! A Non-Interventional Perspective of Endovascular Therapies
Elizabeth V. Ratchford
2:25 PM - Moderated Panel Discussion
2:30 PM - Critical Limb Ischemia: Have Emerging Data Established Percutaneous Intervention as the Default Therapy?
Dierk Scheinert
2:55 PM - Moderated Panel Discussion
3:00 PM - Pharmacologic and Interventional Management Options for Iliofemoral DVT: When Is an Aggressive Approach Warranted?
Mahmood K. Razavi
3:25 PM - Moderated Panel Discussion

LIVE CASE SESSION VI: UNUSUAL CASES
Moderator: Krishna Rocha-Singh
Co-Moderator: Mahmood K. Razavi
Live Case Discussants: Roger Gammon, Lawrence A. Garcia, Gary Gershony, Lindsay S. Machan, Thomas O. McNamara, Nicholas Morrissey, Frederick G. St. Goar, Eugenio Roblin, Jacques J. Theron
3:30 PM - Baptist Cardiac and Vascular Institute
5:00 PM - Presbyterian Hospital of Dallas
6:30 PM - Adjourn

STRUCTURAL HEART DISEASE THEATER
8:00 AM-6:30 PM
Lower Level

ADULT CONGENITAL HEART DISEASE III: OBSTRUCTIVE LESIONS AND MORE
Moderator: William E. Hellenbrand
8:00 AM - The Growing Subspecialty of Adult Congenital Heart Disease: An Integrated Approach to Complex Lesion Assessment and Therapy Alternatives (Surgery or Interventional Repair)
Marlon Rosenbaum
8:30 AM - Coarctation of the Aorta: Clinical Presentation, Interventional Treatment, and Clinical Outcomes
William E. Hellenbrand
8:45 AM - Closure of Large Vascular Connections with Plugs, Occluders, and Other Appliances
Eric Horlick
9:00 AM - Stenosis of the Right Ventricular Outflow Tract, Pulmonary Valve, and Branch Pulmonary Arteries: Treatment Indications and Transcatheter Alternatives (Balloons, Stents, and Stent-Valves)
Philip Bonhoeffer

LIVE AND TAPED CASE SESSION V
Moderator: William E. Hellenbrand
Co-Moderator: Carlos E. Ruiz
Live Case Discussants: Peter J. Casterella, William J. French, John M. Lasala, Didier F. Loulmet, Igor F. Palacios, Augusto D. Pichard, Ramon Quesada, Campbell Rogers, Niel F. Starksen
9:30 AM - Rush University Medical Center
10:30 AM - Taped Case
11:00 AM - HELIOS Heart Center
12:00 PM - Break

STRUCTURAL HEART DISEASE: A POTPOURRI OF TOPICS
Moderator: Horst Sievert
2:00 PM - Alcohol Septal Ablation for Obstructive Hypertrophic Cardiomyopathy: Pathophysiology, Treatment Indications, Technique Variations, and Clinical Outcomes
William Spencer
2:30 PM - Left Atrial Appendage Closure for Stroke Prevention: Rationale, Treatment Indications, Clinical Outcomes, and New Device Alternatives
Peter C. Block
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2:45 PM - Transcatheter Treatment of Peri-Valvular Leaks: Diagnosis, Treatment Indications, Techniques, and Clinical Outcomes
Eulogio Garcia

3:00 PM - Transcatheter “Exclusion” of Left Ventricular Aneurysms: Concept, Devices, and Early Clinical Results
Horst Sievert

3:15 PM - The “Cross-Training” of Structural Heart Disease Therapists: Is There a Role for Cardiac Surgeons? (my Personal Experiences)
Mathew Williams

MORNING CONCURRENT SESSIONS

PLATELET INHIBITION II: NEW INSIGHTS INTO GLYCOPROTEIN IIB/IIIA INHIBITOR USE
8:00 am-12:10 pm
Room 145AB

From Bench to Bedside
Moderators: Howard C. Herrmann, Dean J. Kereiakes
8:00 am - Anti-inflammatory Effects of GP Iib/IIa Inhibitors: In Vitro Assessment and Relevance to Clinical Outcomes
Jorge F. Saucedo
8:12 am - Relationship Between Platelet Reactivity and Stent Thrombosis: Implications for GP Iib/IIa Inhibitors
Paul A. Gurbel
8:27 am – Moderated Discussion and Q&A
Panel Moderators: Howard C. Herrmann, Dean J. Kereiakes
Discussants: Paul A. Gurbel, Jorge F. Saucedo

Impact of Adjunct Pharmacology on Results with GP Iib/IIa Inhibitors
Moderators: Howard C. Herrmann, Dean J. Kereiakes
8:40 am - Impact of Clopidogrel Preloading on GP Iib/IIa Efficacy in ACS and PCI
David F. Kong
8:55 am - Role of Systemic Overdosing and Renal Insufficiency in Bleeding Complications After GP Iib/IIa Inhibitors
Frank V. Aguirre
9:10 am - Moderated Discussion and Q&A
Panel Moderators: Howard C. Herrmann, Dean J. Kereiakes
Discussants: Frank V. Aguirre, David F. Kong

GP Iib/IIa Inhibition in ACS and AMI
Moderators: David F. Kong, Harvey D. White
9:25 am - Are Half-Dose Lytics Plus GP Iib/IIa Inhibitors Preferred to Full-Dose Lytics in the Patient Undergoing Facilitated or Rescue PCI?
Allan M. Ross
9:40 am - Contemporary Role of GP Iib/IIa Inhibitors in High- and Low-Risk Patients Undergoing PCI (ACUTY PCI, ISAR REACT II, REPLACE-2, and Others)
Helmut Schuhlen

LIVE AND TAPE CASE SESSION VI
Moderator: Horst Sievert
Co-Moderator: Igor F. Palacios
Live Case Discussants: Zahid Amin, Steven R. Bailey, Jeff Chambers, Adrian A. Ebner, Peter S. Fail, Ignacio Inglessis-Azujae, Morris Mosseri, Carlos Pedra, E. Murat Tuzcu

3:00 PM - Columbia University Medical Center
4:30 PM - Rush University Medical Center
5:30 PM - Taped Case
6:30 PM - Adjourn

BOARD REVIEW COURSE WITH SELF ASSESSMENT FOR INTERVENTIONAL CARDIOLOGY AND ENDOVASCULAR MEDICINE, PART 4: ENDOVASCULAR ESSENTIALS
8:00 AM-6:00 PM
Room 146ABC

Carotid, Vertebral, Subclavian and Thoracic Aortic Disease
Moderators: Michael R. Jaff, Nicholas Morrissey
8:00 AM - Welcome and Introduction: Description of the Endovascular Board Review Day
Michael R. Jaff
8:10 AM - Approach to the Patient with Carotid Artery Disease
Michael R. Jaff
8:35 AM - Carotid Artery Stenting: Technical Approach
Daniel J. McCormick
9:00 AM - Intracranial Intervention and Acute Stroke Therapies
Philip M. Meyers
9:20 AM - Subclavian and Vertebral Arterial Disease
Krishna Rocha-Singh
9:45 AM - Diseases of the Thoracic Aorta and Aortic Arch
Frank J. Criado

6:00 PM - Adjourn

Venous Disease Oddities and Endovascular Complications
Moderator: Michael R. Jaff
4:25 PM - Endovascular Treatment of Venous Disease
Robert M. Schainfeld
4:50 PM - Unusual Vascular Disorders, Clinical Syndromes, and Anatomic Variants
John R. Bartholomew
5:15 PM - Vascular Access and Complications of Endovascular Procedures
Alan Lumsden
5:45 PM - Q&A
9:55 AM - Upstream Routine vs. Deferred Selective GP IIb/IIIa Inhibitors in ACS: Insights and Recommendations from EVEREST, ACUITY, and Others
Harvey D. White

10:10 AM - Moderated Discussion and Q&A
Panel Moderators: David F. Kong, David Antoniucci
Discussants: Allan M. Ross, Helmut Schuhlen

Bolus Only GP IIb/IIIa Inhibition During PCI: Has the Time Come?
Moderators: David Antoniucci, David F. Kong
10:25 AM - Bolus IIb/IIIa Inhibitors I: Rationale and Registry Experiences
Jonathan D. Marmur
10:37 AM - Bolus IIb/IIIa Inhibitors Plus Infusion vs. Bolus Only GP IIb/IIIa Inhibition During PCI: The EASY Trial
Olivier F. Bertrand
10:52 AM - Intercontinental Abciximab During PCI: Rationale and Evidence
Jochen Wohrle
11:04 AM - Moderated Discussion and Q&A
Panel Moderators: David F. Kong, David Antoniucci
Discussants: Olivier F. Bertrand, Jonathan D. Marmur, Jochen Wohrle

Hot Topics and Important Patient Subgroups
Moderators: Dean J. Kereiakes, David F. Kong
11:19 AM - Age Dependent Effects of Abciximab: Insights from ISAR REACT II
Julinda Mehillsi
11:31 AM - Do GP IIb/IIIa Inhibitors Improve Outcomes Following Drug-Eluting Stents in Diabetic Patients?
Eugenia Nikolovsky
11:43 AM - GP IIb/IIIa Inhibitors for Acute Stroke: A Meta-Analysis
Alfonso Ciccone
11:55 AM - Moderated Discussion and Q&A
Panel Moderators: Dean J. Kereiakes, David F. Kong
Discussants: Alfonso Ciccone, Julinda Mehillsi, Eugenia Nikolovsky
12:10 PM - Adjoin
ADVANCED MEDICAL THERAPIES FOR THE INTERVENTIONALIST: TREATMENT OF DIABETES, HYPERLIPIDEMIA, HYPERTENSION, AND HEART FAILURE

8:00 AM - 12:00 PM
Room 147AB
Moderator: Michael E. Farkouh

Managing Diabetes
Moderators: Bernard J. Gersh, H. Robert Superko
8:00 AM - Diabetes, Glycemic Control and Cardiovascular Disease: Recommendations in Light of the T2D Controversy
Steven B. Feinstein
8:15 AM - New Advances in the Management of Diabetes: The Pipeline
Norman E. Lepor
8:30 AM - TCT-114: Efficacy of Triple Antiplatelet Therapy for Diabetic Patients after Percutaneous Coronary Intervention
Yaling Han
Discussants: James H. Chesebro, Steven B. Feinstein, Norman E. Lepor, Alfredo Rodriguez
8:45 AM - Moderated Discussion and Q&A
Panel Moderators: Bernard J. Gersh, H. Robert Superko
Discussants: James H. Chesebro, Steven B. Feinstein, Norman E. Lepor, Alfredo Rodriguez

Managing Hyperlipidemia
Moderators: Michael E. Farkouh, Bernard J. Gersh
9:00 AM - HDL Therapy: Life after Torcetrapib
H. Robert Superko
9:15 AM - Statins and LDL: How Low Do We Go?
Michael Haude
9:30 AM - TCT-115: Effect of Lipid Lowering Therapy on Progression of Intermediate Coronary Atherosclerotic Plaque Evaluated by Virtual Histology Intravascular Ultrasound
Moderator: Kenya Nasu
9:45 AM - Panel Discussion with Audience Q&A
Moderators: Michael E. Farkouh, Bernard J. Gersh

Managing Hypertension
Moderators: Michael E. Farkouh, Vandana S. Mathur
10:00 AM - Guidelines for Management of Hypertension: Keeping it Simple
Clive Rosendorff
10:15 AM - Role for Renin Inhibitors in the Modern Management of Hypertension
Franz H. Messerli
10:30 AM - Panel Discussion with Audience Q&A
Moderators: Michael E. Farkouh, Vandana S. Mathur
Discussants: Andrea Abizaid, James H. Chesebro, Franz H. Messerli, Clive Rosendorff

Managing Heart Failure
Moderators: JoAnn Lindenfeld, Robert C. Bourge
10:45 AM - Heart Failure Refractory to Medical Therapy: Treatment Failure or Failure to Treat?
Ulrich P. Jorde
11:00 AM - Role of BNP Monitoring in the Management of Heart Failure
Mario Deng
11:15 AM - Panel Discussion with Audience Q&A
Moderators: Robert C. Bourge, JoAnn Lindenfeld
Discussants: Mario Deng, Ulrich P. Jorde, Marvin A. Konstam

Medical Therapy
Moderators: Jeffrey A. Brinker, H. Robert Superko
Discussants: Antonio L. Bartorelli, Jorge Gaspar
11:30 AM - TCT-116: Impact of Transfusion on 1-Year Ischemic Events and Mortality Among Patients with Acute Coronary Syndromes Undergoing Percutaneous Coronary Intervention
Steven V. Manoukian et al
11:45 AM - TCT-117: Is N-acetylcysteine Effective for Prevention of Contrast-Induced Nephropathy?
Cezar S. Staniloae et al
12:00 PM - Adjourn

LUNCHTIME ACTIVITIES
12:15 PM – 1:45 PM

HOT TOPICS, HOT LUNCHES

CONTROVERSIES IN ADJUNCT PHARMACOLOGY
Room 201
Moderator: George D. Dangas
12:15 PM - Aspirin and Thienopyridine Resistance: Diagnosis, Implications, and Practical Recommendations
Matthew J. Price
12:20 PM - Myths about Antiplatelet Resistance
Víctor L. Serebrany
12:25 PM - Clopidogrel Loading, Dosing, and Timing in PCI and ACS
Dominik J. Angiolillo
12:30 PM - Duration of Antiplatelet Therapy after Bare Metal and Drug-Eluting Stents
LeRoy E. Rabbani
12:35 PM - Importance of Bleeding Complications and Evaluation of Bleeding Risk
Eugenia Nikolsky
12:40 PM - Antiplatelet and Antithrombin Agents in the Patient Undergoing Cardiac Surgery: Why Surgeons Are Concerned
Mark W. Connolly
12:45 PM - Iib/IIa Inhibitors in ACS and PCI: Still the Default Therapy for All Diabetics, ACS, and AMI?
Jorge F. Saucedo
12:50 PM - Low Molecular Weight Heparin in ACS and PCI: When to Consider
Jonathan D. Marmor
12:55 PM - Bivalirudin During ACS and PCI: Time to Eliminate Heparin and Iib/IIa Inhibitors?
Timothy A. Sanborn
1:00 PM - Critique of High-Profile Pharmacotherapy Trials: What to Look Out For
Helen Parise
1:05 PM - Case Presentation and Discussion: Adjunct Pharmacology in a 62-Year-Old Patient with Recurrent Stent Thrombosis and Thienopyridine Resistance
Moderator: George D. Dangas
Case Presenter: Nick Curzen
1:15 PM – Moderated Discussion and Q&A
Panel Moderator: George D. Dangas
RENUMARY INTERVENTION: 
UNSETTLED ISSUES
Room 202A
Moderator: John R. Laird, Jr
12:15 pm - Clinical Implications of Renal Artery Stenosis: Over-Hyped or the Real Silent Killer?
Elizabeth V. Ratchford
12:20 pm - Position Statement I: Stenting Should be the Default Strategy for Renal Artery Stenosis
Peter A. Schneider
12:25 pm - Position Statement II: Renal Artery Stenting Should Be Reserved for Medical Failures
Christopher J. Cooper
12:30 pm - Position Statement III: Embolic Protection Is Beneficial During Renal Artery Stenting
Andrew Holden
12:35 pm - Position Statement IV: Embolic Protection Is Unnecessary During Renal Artery Stenting
Hans Krankenberg
12:40 pm - Review of Completed and Ongoing Randomized Trials of Renal Artery Intervention
Mark C. Bates
12:45 pm - Top Five No-Nonsense Tips and Tricks for Successful Renal Artery Stenting
John R. Laird, Jr
12:50 pm - Outcomes of Renal Artery Stenting Based on IVUS and Physiologic Guidance
Massoud A. Leesar
12:55 pm - In-Stent Renal Artery Stenosis: Frequency, Implications, and Treatment
Thomas Zeller
1:00 pm - Case Presentation: Treatment of Renal Artery Aneurysms
Moderator: John R. Laird, Jr
Case Presenter: Thomas O. McNamara
Discussants: Mark C. Bates, Christopher J. Cooper, Andrew Holden, Hans Krankenberg, Massoud A. Leesar, Elizabeth V. Ratchford, Peter A. Schneider, Thomas Zeller
1:10 pm - Moderated Discussion and Q&A
Panel Moderator: John R. Laird, Jr
Discussants: Mark C. Bates, Christopher J. Cooper, Andrew Holden, Hans Krankenberg, Massoud A. Leesar, Thomas O. McNamara, Elizabeth V. Ratchford, Peter A. Schneider, Thomas Zeller

CHRONIC KIDNEY DISEASE AND CONTRAST ADMINISTRATION: IMPLICATIONS FOR THE PCI PATIENT
Room 202B
Moderator: Roxana Mehran
12:15 pm - Introduction and Session Goals
Roxana Mehran
12:20 pm - Prognostic Implications of Chronic Kidney Disease
Vandana S. Mathur
12:25 pm - Prognostic Implications of Contrast Nephropathy in the PCI Patient
Norman E. Lepor
12:30 pm - Does Choice of Contrast Media Affect the Risk of Contrast Nephropathy?
Jeffrey A. Brinker
12:35 pm - Cath Lab Strategies to Reduce Contrast Load
Robert J. Applegate
12:40 pm - Nephrogenic Sclerosing Fibrosis: Pathogenesis, Prevention, and Treatment
Carlo Briguori
12:45 pm - N-Acetylcysteine: The Data and How to Use It
Antonio L. Bartorelli
12:50 pm - Does Bicarbonate Reduce Contrast Nephropathy?
Charles J. Davidson
12:55 pm - When Should Venovenous Hemofiltration be Considered?
John W. Hirshfeld, Jr
1:00 pm - Targeted Renal Therapy to Prevent Contrast Nephropathy
Giora Weisz
1:05 pm - Case Presentation: A 49-Year-Old Diabetic Man with Acute Anterior Myocardial Infarction and a Creatinine of 4.0 mg/dl
Moderator: Roxana Mehran
Case Presenter: George W. Vetrovec
Discussants: Robert J. Applegate, Antonio L. Bartorelli, Carlo Briguori, Jeffrey A. Brinker, Charles J. Davidson, John W. Hirshfeld, Jr, Norman E. Lepor, Vandana S. Mathur, Giora Weisz
1:15 pm - Moderated Discussion and Q&A
Panel Moderator: Roxana Mehran
Discussants: Robert J. Applegate, Antonio L. Bartorelli, Carlo Briguori, Jeffrey A. Brinker, Charles J. Davidson, John W. Hirshfeld, Jr, Norman E. Lepor, Vandana S. Mathur, George W. Vetrovec, Giora Weisz

FELLOWS LUNCH: REIMBURSEMENT ISSUES IN INTERVENTIONAL CARDIOLOGY
Sponsored by Society for Cardiovascular Angiography and Interventions
Room 209ABC
Moderators: Christopher U. Cates, Carl L. Tommaso
12:15 pm - Basic Primer on the Payment System: From Public Insurance to Private Payers, from RVUs to Technical and Professional Charges
Wayne Powell
12:40 pm - CPT Codes in Interventional Cardiology
Joseph D. Babb
1:10 pm - Specific Billing Issues Related to Coronary and Vascular Procedures: Diagnostic and Interventional
Carl L. Tommaso
1:30 pm - Moderated Discussion and Q&A
Panel Moderators: Christopher U. Cates, Carl L. Tommaso
Discussants: Joseph D. Babb, Wayne Powell

CASE REVIEWS WITH THE EXPERTS

Acute Infarct Angioplasty and the Thrombus-Containing Lesion II
Room: 149AB
Dariusz Dudek, Mun K. Hong, Upendra Kaul, Thomas D. Stuckey

Acute Stroke and Intracranial Intervention
Room 152A
Alex Berenstein, Philip M. Meyers, Bernhard Reimers, Jacques G. Theron

Chronic Total Occlusions: Advanced Treatment Strategies II
Room 150A
Yasushi Asakura, Jaap N. Hamburger, Tomaiko Hinohara, Gerald S. Werner

Complex Coronary Intervention
Emphasizing Advanced Techniques and Procedural Strategy II
(Sponsored by China Interventional Therapeutics)
Room 143A
Moderator: Run-Lin Gao
Case Presenters: Jyian Chen, Yaling Han, Shu-Zheng Lu, Yue-Jin Yang

BELONG IN EVIDENCE BASED MEDICINE · CHALLENGE CONVENTIONAL WISDOM · TRANSFORM YOUR THINKING
Intravascular Imaging (IVUS and Beyond): Shifting Paradigms and Procedural Guidance
Room 143C
Jose Costa, Costantino R. Costantini, Eftrain Gaxiola, Giulio Guagliumi

My Worst Complications: Endovascular Intervention III
Room 143B
Bruce H. Gray, Zvonimir Krajcic, James F. McKinsey, Patrick J. Peeters

My Worst Complications: Coronary Intervention III
Room 150B
J.J.R.M. (Hans) Bonnier, Samuel M. Butman, Alan W. Heldman, Aaron V. Kaplan

Structural Heart Disease III: Complex Anatomy and Advanced Techniques
Room 144A
Eric Horlick, Paul Kramer, Daniel J. McCormick, Eustaquio Onorato

SESSIONS

WEDNESDAY / OCTOBER 24, 2007

APPROACHES

INTERVENTIONAL HEART FAILURE II:
ENDOVASCULAR AND SURGICAL APPROACHES
2:00 PM-5:20 PM
Room 151AB
Moderators: Daniel Burkhoff, Ileana L. Pina
Cardiac Monitoring Devices for CHF
Moderators: Robert C. Bourge, JoAnn Lindenfeld
2:00 PM - HF-ACTION
Daniel R. Bensimhon
2:10 PM - Bioreactance-Based Noninvasive Cardiac Output Monitoring During Stress Test
Matthew S. Mauer
2:20 PM - Overview of Chronic Invasive Pressure Monitoring
JoAnn Lindenfeld
2:35 PM - CHRONICLE and Optival: Invasive Measures of Pressure vs. Thoracic Fluid Volume for Detection of Volume Overload
Robert C. Bourge
2:47 PM - Clinical Studies with a Left Atrial Pressure Sensor: Savacor
Neal L. Egler
2:57 PM - Clinical Studies with a Pulmonary Artery Pressure Sensor I: Ramon Medical
Keyur H. Parikh
3:07 PM - Clinical Studies with a Pulmonary Artery Pressure Sensor II: Cardiomems
William T. Abraham
3:17 PM - Chronic Monitoring of Left Ventricular Pressure: Transoma
Lynn Zwiers
3:27 PM - Vital Sensors: A Novel Microsensor for Pressure Measurement
David H. Solomon
DEBATE: ROLE OF INVASIVE PRESSURE MONITORING FOR MANAGEMENT OF CHRONIC HEART FAILURE
3:37 PM - Invasive Pressure Measurements Will Be Proven Essential for Keeping Heart Failure Patients Out of the Hospital!
Robert C. Bourge
3:49 PM - Nonsense: All I Need is a Good Scale and a Compliant Patient!
Mark Dunlap
4:01 PM - Rebuttal

BEST OF STRUCTURAL HEART DISEASE ABSTRACTS: FOCUS ON TRANSCATHETER VALVE THERAPEUTICS
2:00 PM-5:00 PM
Room 147AB

Percutaneous Aortic Valves
Moderators: Philip Bonhoeffer, Maurice Buchbinder
Discussants: Louis A. Cannon, Chaim Lotan, David Paniagua, Wesley R. Pedersen
2:00 PM - TCT-118: Transarterial Percutaneous Aortic Valve (PAV) Insertion: Canadian Single Centre Experience
Sanjeevan Pasupati et al
2:15 PM - TCT-119: 6-Month to 1-Year Clinical Outcomes Following Retrograde Percutaneous Aortic Valve Replacement in High-Risk Patients: A Report from the REVIVAL-II Trial
Susheel Kodali et al
2:30 PM - TCT-120: Transapical Aortic Valve Implantation in High-Risk Surgical Patients: Medium-Term Results
Michael A. Borger et al
2:45 PM - TCT-121: 6-Month Echo Assessment of Prosthetic Aortic Valve Function Following Transcatheter Aortic Valve Replacement: A Report from the REVIVAL-II Trial
Matthew Williams et al

Percutaneous Mitral Valves
Moderators: Jason H. Rogers, Allan Schwartz
Discussants: Jose A. Condado, Richard R. Heuser, Niel F. Saltzkan, Zoltan G. Tur
3:00 PM - TCT-122: Redilation of Balloon Expandable Aortic Valves (BEAV): What Do We Know?
Sanjeevan Pasupati et al
3:15 PM - TCT-123: Significant Reverse Remodeling of the Left Ventricle 1-Year After Percutaneous Mitral Repair with the MitraClip™ Device
Michael J. Rinaldi et al
3:30 PM - TCT-124: Percutaneous Treatment of Functional Mitral Regurgitation: Interim Evolution Study Results with the Monarc System
Karl H. Kuck et al
3:45 PM - TCT-125: Percutaneous Trans-Coronary Venous Repair of Mitral Valve Using CARILLON™ Device: Initial Single-Center Experience
Tomasz Siminiak et al

Miscellaneous
Moderators: Jan Harnik, James R. Margolis
Discussants: George S. Hanzel, Saibal Kar, David W. M. Muller, Steven J. Yakubov
4:00 PM - TCT-126: Long-Term Durability and Safety of Percutaneous Septal-Sinus Shortening
Jason H. Rogers et al
4:15 PM - TCT-127: Percutaneous Reduction of Periprosthetic Leaks: A Promising Alternative to Repeat Surgery
Jeannot Potvin et al
4:30 PM - TCT-128: Indications, Description, and Results of Percutaneous Transcatheter Repairs of Mitral Paravalvular Regurgitations
Marcelino Cortes et al
4:45 PM - TCT-129: Long-Term Follow-Up of Percutaneous Closure of Left Atrial Appendage
GianPaolo Ussia et al
5:00 PM - Adjourn

APPROACHES

APPROACHES
4:09 PM - Moderated Discussion and Q&A
Panel Moderators: Daniel Burkhoff, Ileana L. Pina

Abstract Session: Therapeutics in Heart Failure
Moderators: Daniel Burkhoff, Ileana L. Pina
Discussants: Keyur H. Parikh, Richard Smalling, Jie Wang

4:20 PM - TCT-130: PROTECT I: A Prospective Feasibility Trial Investigating the Use of the IMPELLA® RECOVER® LP 2.5 System in High-Risk PCI Patients
William O’Neill

4:35 PM - TCT-131: First-in-Man Use of the Reitan Catheter Pump (RCP) for Circulatory Support in Patients Undergoing High-Risk Percutaneous Coronary Intervention (PCI)
Martin T. Rothman

4:50 PM - TCT-132: Safety and Feasibility of Percutaneous Autologous Skeletal Myoblast Transplantation for Ischemic Cardiomyopathy: 1-Year Results of the CAUSMIC Trial
Nabil Dib

5:05 PM - TCT-133: Heart Failure Improvement After Autologous Bone Marrow Mononuclear Cell (ABMMC) Transplantation
Jorge Tuma-Mubarak

5:20 PM - Adjourn

EVENING SYMPOSIA
8:00 PM-10:00 PM
Refer to page 104-105 for complete program schedule.
Save the dates for these important meetings.

Fifth International CHRONIC TOTAL OCCLUSION SUMMIT
February 21-22, 2008
New York Marriott
Marquis Hotel
New York, NY

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FOURTH INTERNATIONAL CONFERENCE ON
Cell Therapy for Cardiovascular Diseases
January 16-18, 2008
Columbia University · Alfred Lerner Hall
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## MODERATED COMPLEX CASE REVIEW SESSIONS

### MONDAY, OCTOBER 22

10:00 am-3:00 pm  
Exhibit Hall, 2nd Level

**Coronary Cases**  
Moderators: Fernando Alfonso, Charles D. O’Shaughnessy, Gary L. Schaer  
10:00 am - Ventricular Assist Device Use in a Patient with Severe Aortic Stenosis and Left Main Disease  
Alessandro S. Bortone  
10:15 am - Acute Myocardial Infarction Associated with Left Main Occlusion  
Song Lin  
10:30 am - Stent Thrombosis in a Pregnant Woman Who Refused CABG  
Lee Sang Rok  
10:45 am - Stent Lost in the Left Main for Twelve Years  
Douglas Bogart

**Structural Heart Disease Cases**  
Moderators: Peter J. Casterella, Thomas K. Jones, Carlos Pedra  
11:00 am - Closure of a Very Large Coronary Fistula to RV  
Howaida G. El-Said  
11:15 am - Percutaneous Closure of PDA and VSD  
Bal Goyal  
11:30 am - Interventional Management of Sinus of Valsalva Aneurysm Rupture  
Ajit Mehta  
11:45 am - PDA Stenting Through an Umbilical Artery  
Ashwin Mehta

**Coronary Cases**  
Moderators: Mark A. Apfelbaum, Tian-Hai Koh, David W.M. Muller  
2:00 pm - Multiple Stent Thromboses After AMI  
Marian Bystroń  
2:15 pm - Multiple Stent Thromboses After BMS Implantation  
Francis Almeda  
2:30 pm - Multiple Stent Thromboses After CTO Treatment  
Costantino Costantini  
2:45 pm - Simultaneous DES and BMS Thrombosis  
Diego D. Grinfeld  
3:00 pm - Adjoin

### TUESDAY, OCTOBER 23

10:00 am-3:00 pm  
Exhibit Hall, 2nd Level

**Coronary Cases**  
Moderators: Daniel H. Berrocal, Karel T. Koch, Sim Kui-Hian  
10:00 am - Transradial Approach to PCI in the Setting of Cardiogenic Shock  
Chih-Yuan Fang  
10:15 am - Primary Stenting Followed by Percutaneous Aortic Valvuloplasty  
Aleem Khand  
10:30 am - Intracoronary Injection of TNK During Primary PTCA  
Costantino Costantini  
10:45 am - Treatment of AMI in a Patient with Abdominal Aortic Occlusion  
Norimasa Taniguchi

**Endovascular Cases**  
Moderators: Henning Rud Andersen, Hugo F. Londero, Thomas A. Sos  
1:00 PM - Endovascular Approach to Tadem Subclavian and Carotid Stenosis  
Joanna J. Wyrzykowska  
1:15 PM - Management of Restenosis After Stenting a Totally Occluded Brachiocephalic Trunk  
Jennifer Franke  
1:30 PM - Renal Stenting Complicated By Perforation  
Massoud A. Leesar  
1:45 PM - Recanalization of Subclavian Vein Occlusion via AV Fistula  
Jose M. Garcia

**Coronary Cases**  
Moderators: Mark A. Apfelbaum, Tian-Hai Koh, David W.M. Muller  
2:00 pm - Multiple Stent Thromboses After AMI  
Marian Bystroń  
2:15 pm - Multiple Stent Thromboses After BMS Implantation  
Francis Almeda  
2:30 pm - Multiple Stent Thromboses After CTO Treatment  
Costantino Costantini  
2:45 pm - Simultaneous DES and BMS Thrombosis  
Diego D. Grinfeld  
3:00 pm - Adjoin

**Structural Heart Disease Cases**  
Moderators: Stephen J. D. Brecker, D. S. Gambhir, Charles E. Mullins  
1:00 pm - Kissing Stents for the Treatment of Pulmonary Stenosis  
Vaikom Mahadevan  
1:15 pm - ASD Corrected With Implantation of Three Amplatzer Devices  
Paul Gordon  
1:30 pm - Retrieval of Embolized VSD Occluder Device (First Case)  
Gianpaola Ussia  
1:45 pm - Retrieval of Embolized VSD Occluder Device (Second Case)  
Rajeev Rathi
## Coronary Cases

**Moderators:** Steven L. Almany, Upendra Kaul, Robert J. Whitbourn

**2:00 PM** - Retrieval of an Embolized Stent  
Mark E. Lanzieri

**2:15 PM** - Complex PCI in a Patient with Type C Interrupted Aortic Arch  
Sim Ming

**2:30 PM** - Retrieval of a Stent Lodged at the LAD Ostium  
Rahul Patil

**2:45 PM** - Left Main Trifurcation Intervention Complicated with Thrombus  
Han-Mo Yang

**3:00 PM** - Adjourn

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### Wednesday, October 24

**10:00 AM-3:00 PM**  
Exhibit Hall, 2nd Level

#### Coronary Cases

**Moderators:** Jose A. Condado, Alan W. Heldman, Arthur Teow Hin Tan

**10:00 AM** - Retrograde Approach for Recanalization of a CTO Using the “Lasso Loop”  
Alexander Ossiyev

**10:15 AM** - Bilateral Approach for CTO with the “Knuckle” Wire Technique  
Masashi Kimura

**10:30 AM** - Sub-Intimal Tracking and Retrograde Re-Entry in a Complex CTO Case  
Asif Qasim

**10:45 AM** - PCI for CTO in a SVG Using Rotational Atherectomy  
Jimmy Lim

#### Structural Heart Disease Cases

**Moderators:** George S. Hanzel, Michael J. Mullen, Brian Whisenant

**11:00 AM** - Management of Multiple Coronary Fistula After Failed Surgical Attempt  
Toru Kataoka

**11:15 AM** - VSD Closure in a Patient with Previous Mitro and Aortic Valve Replacement  
Stephane Noble

**11:30 AM** - Thrombin Occlusion of Pulmonary Artery Perforation  
Philipp Kahler

**11:45 AM** - Catheter Based Treatment of LV to LA Fistula After Mitral Valve Replacement  
Reda Ibrahim

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#### Endovascular Cases

**Moderators:** Nicola Corvaja, David H. Deaton, Roger M. Greenhalgh

**1:00 PM** - Endovascular Treatment of a Delayed Diagnosis of Aorta Aneurysm Rupture  
Marcelo Cantarelli

**1:15 PM** - Management of Superior Mesenteric Artery Aneurysm  
Michael Wholey

**1:30 PM** - Aortic Graft Disruption Corrected With PFO Occluder  
Steven Goldberg

**1:45 PM** - Multiple Interventional Approaches to Treat Obstructive Lower Extremity Disease  
Taketsugu Tsuchiya

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### Coronary Cases

**Moderators:** Fausto Feres, Ben He, Expedito Ribeiro

**2:00 PM** - Management of DES Thrombosis with Implantation of a Different DES  
Sandhir B. Prasad

**2:15 PM** - Late Thrombosis Documented by Angioscopy  
Masamichi Yano

**2:30 PM** - Stent Displacement Due to Late Stent Fracture  
Muhammad Rahman

**2:45 PM** - Stent Fracture and Aneurysm Formation After DES Implantation  
Chee Wo Wu

**3:00 PM** - Adjourn
TCT CLOSING SESSION: CASE REVIEWS, COMPLICATIONS, AND BRAIN TEASERS, FEATURING “INTERVENTIONAL JEOPARDY”
8:00 am-12:00 pm
Room 207AB

GREATEST CASES FROM AROUND THE WORLD: THE WINNERS OF THE MOST CHALLENGING CASE COMPETITION
Moderator: Alexandre Abizaid
Discussants: Fernando Alfonso, Steven L. Almany, Michael B. Collins, David A. Cox, Issam D. Moussa, Charles A. Simonton
8:00 am - Retrograde CTO Recanalization with Multiple Complications
Chiung-Jen Wu
8:10 am - Retrograde CTO via Ulnar Access
Anuj Bhasin
8:20 am - DES Strut Fracture with Resulting Aneurism
Alaide Chieffo
8:30 am - A New Technology for Cardiac Arrest
Goran K. Olivecrona
8:40 am - Stent Embolization with Two Management Strategies
Afzalur Rahman
8:50 am - An Access Site Nightmare
Ajay J. Kirtane

THE BEST TCT 2007 LATE BREAKING TRIALS REVISITED: A CRITICAL REAPPRAISAL OF THEIR LIKELY IMPACT
9:00 am: Moderator: Gregg W. Stone
Discussants: Antonio Colombo, Fausto Feres, William A. Gray, Martin B. Leon, Jeffrey W. Moses, Erick Schampaert, Sigmund Silber

THE EXPERTS UNDRESSED: MY MOST AMAZING, HORRIFIC, OR SURPRISING CORONARY CASE OF THE YEAR
Moderator: Jeffrey W. Moses
Discussants: Joseph P. Carrozza, Jr, Augusto D. Pichard, Jeffrey J. Popma, Martin T. Rothman, Paul S. Teirstein, Mark A. Turco
10:00 am - Case #1
Antonio Colombo
Imagine . . . holding an accurate model of your patient’s heart in your hands.

Practice . . . a structural heart disease intervention using this heart.

See . . . a demonstration of the transformation of a routine cardiac CT into a heart in your hands.

Hands on Hearts in the Physician Training Center

This year, Hands on Hearts offers two unique experiences to put a heart in your hands.

- Hands on anatomical instruction showing a variety of pathologies
- Accurate physical models of living patients’ hearts made using new 3-D technology

These sessions are individualized, involving one-on-one interaction to address specific questions and learn new technologies.

→ Please visit the Physician Training Center, located on the lower level.
PHYSICIAN TRAINING CENTER

The Physician Training Center, located on the lower level at the entrance of the theaters, will be devoted to hands-on interactive technical training and will highlight coronary, endovascular, and structural (valvular and congenital) heart disease interventions.

The Physician Training Center will consist of three distinct areas, each offering a unique educational experience:
- Hands on Hearts
- TeachImage™
- Specialty Device Training

HANDS ON HEARTS

Imagine . . . holding an accurate model of your patient’s heart in your hands . . .
Practice . . . a structural heart disease intervention using this heart . . .
See . . . a demonstration of the transformation of a routine cardiac CT into a heart in your hands . . .

This year Hands on Hearts offers two unique experiences to put a heart in your hands.
The session is individualized, involving one-on-one interaction to address specific questions and learn new technologies.
First, a hands-on anatomical instruction will be provided by experts in cardiac pathology using human cadaver hearts showing a variety of pathologies. From the collection of the CVPath Institute, Inc, Gaithersburg, MD, comes unique heart specimens and experts to help increase your knowledge of normal and abnormal cardiac pathological findings. Participants can view and examine heart specimens with coronary, valvular, and congenital heart disease pathologies. Interventionalists can enhance their understanding of anatomy, the maladies of their patients, and the nature of many interventions by this opportunity to interact one-on-one with experts using hearts from an amazing library of actual-case hearts.

Second, accurate physical models of living patients’ hearts can now be made using new 3-D printing technology that transforms medical images into a heart model you can hold, examine, and practice a structural heart disease intervention. From the 3-D Lab of the Interventional Cardiology Group at the University of Colorado comes multiple physical models from patients with a variety of defects, such as ASD, VSD, valvular abnormalities and vascular abnormalities, immediately subsequent to executed transcatheter interventions. Participants see how these models are produced from cardiac CT images of the patient and then can practice interventions on the model. Participants will then better understand the interaction of catheter shape and anatomy, closure devices and defects, and potential challenges and complications that can be predicted by practicing on the patient’s model rather than the real patient. Computer graphics experts and interventional cardiologists will introduce you to this novel approach and give you a chance to practice. Participants will then better understand the interaction of catheter shape and anatomy, closure devices and defects, and potential challenges and complications that can be predicted by practicing on the patient’s model rather than the real patient. Computer graphics experts and interventional cardiologists will introduce you to this novel approach and give you a chance to practice.

Pathologies to be demonstrated include:
- ASD (large with deficient rims, fenestrated)
- VSD (post-surgical patch dehiscence, muscular, post-MI, post-AVR)
- Prosthetic mitral perivalvular defect
- Aortic ulceration
- Large abdominal aortic aneurysm
- Aortic-LA fistula
- Single ventricle
- Normal heart
- Pre- and post-percutaneous AVR
- Congenital PA stenosis

TEACHIMAGE™
TeachImage™ consists of a suite of online learning tools combined with a series of integrated lectures led by physician experts. TeachCTA™ features interactive CT angiography cases that allow users to meet society mentoring guidelines. Immediate feedback enables participants to compare their interpretations with those of experts. TeachFFR™ provides interactive case studies, “Guess the FFR” exercises, and a library of narrated presentations on the subject of fractional flow reserve as it relates to complex multivessel disease. Each case study provides interactive Q&A sessions and audio annotations by a leading physician. TeachIVUS™ has more than 300 cases and a growing library of narrated presentations. The user will be able to identify a variety of IVUS parameters in simulation mode and instantly compare his/her analysis to an expert’s.

SPECIALTY DEVICE TRAINING

CORDIS CORPORATION: BIOLOGICS DELIVERY SYSTEMS

NOGA XP Cardiac Navigation System Plus Mapping and Injection Catheters

Sessions consist of a half-hour overview of the next generation of products, a half-hour demonstration of the NOGA XP System by a clinical specialist, and an open discussion and Q&A. Please visit the Biologics Delivery Systems Specialty Device Training pavilion to register.

MONDAY, OCTOBER 22
Sessions begin at 10:00 AM, 12:00 PM, and 2:00 PM
Walk-up demonstration at 4:00 PM

TUESDAY, OCTOBER 23
Sessions begin at 9:00 AM, 11:00 AM, 1:30 PM, and 3:30 PM

Wednesday, October 24
10:00 AM-5:00 PM
CORDIS ENDOVASCULAR, A DIVISION OF CORDIS CORPORATION, A JOHNSON & JOHNSON COMPANY

Cordis OPTEASE® Retrievable Vena Cava Filter and Cordis TRAPEASE® Permanent Vena Cava Filter

Each 2-hour session consists of a physician didactic and case review, and a hands-on in-service. Upon completion of the workshop, attendees will be certified to use the OPTEASE® Retrievable Vena Cava Filter and the TRAPEASE® Permanent Vena Cava Filter. Sessions are designed for 20 attendees. To register, please visit the Cordis Endovascular Specialty Device Training pavilion or the Cordis booth in the Exhibit Hall, Level 2.

MONDAY, OCTOBER 22 (ONLY)
Sessions begin at 10:00 AM, 12:00 PM, and 2:00 PM

Cordis PRECISE® Pro™ RX Nitinol Stent and Cordis ANGIOGUARD® RX Emboli Capture Guidewire System

Each 2-hour session consists of a physician didactic and case review, and a hands-on in-service. Upon completion of the workshop, attendees will be certified to use the PRECISE® PRO™ RX. Sessions are designed for 20 attendees. To register, please visit the Cordis Endovascular Specialty Device Training pavilion or the Cordis booth in the Exhibit Hall, Level 2.

TUESDAY, OCTOBER 23 (ONLY)
Sessions begin at 9:00 AM, 11:00 AM, 1:00 PM, and 3:00 PM

FRONTRUNNER® XP CTO Catheter and OUTBACK® LTD™ Re-Entry Catheter

Sessions consist of a half-hour overview of the CTO Technology provided by a physician expert, a half-hour discussion of challenging cases followed by Q&A, and a half-hour hands-on demonstration of the FRONTRUNNER® XP CTO Catheter and OUTBACK® LTD™ Re-Entry Catheter. Upon completion of the workshop, attendees will be certified to use the FRONTRUNNER® XP CTO Catheter and OUTBACK® LTD™ Re-Entry Catheter. Sessions are designed for 20 attendees. To register, please visit the Cordis Endovascular Specialty Device Training pavilion or the Cordis booth in the Exhibit Hall, Level 2.

WEDNESDAY, OCTOBER 24 (ONLY)
Sessions begin at 9:00 AM, 11:00 AM, 1:00 PM, and 3:00 PM

FOXHOLLOW TECHNOLOGIES, INC

NightHawk™ Plaque Excision System and New Novel Technologies

Each 1-hour session consists of didactic presentations, Q&A, hands-on test stations, and expert physician interaction. Please visit the FoxHollow Specialty Device Training pavilion to register.

MONDAY, OCTOBER 22
10:00 AM-5:00 PM
TUESDAY, OCTOBER 23
9:00 AM-5:00 PM
WEDNESDAY, OCTOBER 24
9:00 AM-5:00 PM

ST. JUDE MEDICAL

Proxis Embolic Protection System

Each session includes a 45-minute didactic session with a physician expert and a 45-minute in-service on the Proxis Embolic Protection System with a clinical specialist. Please visit the St. Jude Medical Specialty Device Training pavilion to register.

TUESDAY, OCTOBER 23
Sessions begin at 9:00 AM, 11:00 AM, 1:30 PM, and 3:30 PM
WEDNESDAY, OCTOBER 24
Sessions begin at 9:00 AM, 11:00 AM, 1:30 PM, and 3:30 PM
SATELLITE SYMPOSIA

SUNDAY, OCTOBER 21

BREAKFAST MEETINGS

Early Clinical Experience of Enhanced Intracoronary Drug Delivery Using ClearWay™ RX Catheter to Treat AMI and ACS Patients
Sponsored by Atrium Medical Corporation
Room 143C, Washington Convention Center
Moderator: C. Michael Gibson
7:00 AM - Benefits of Intracoronary and PCI: Local Drug Delivery for AMI Patients
C. Michael Gibson
7:20 AM - Early US Clinical Experience Using ClearWay™ RX Catheter in AMI Patients
Jeffrey J. Popma
7:30 AM - Early US Clinical Experience Using ClearWay™ RX Catheter in AMI Patients
Thomas Scott
7:40 AM - Early European Clinical Experience Using ClearWay™ RX Catheter in AMI Patients
Diana A. Gorog
7:50 AM - Q&A
8:00 AM - Adjourn

Optimizing Medical Therapy for Treatment of Angina in the Era of Intervention
Sponsored by the Cardiovascular Research Foundation and educational partner
Thorntons Medial Communications
Supported through an educational grant by CV Therapeutics, Inc
Room 143B, Washington Convention Center
Moderator: William E. Boden
7:00 AM - Welcome
William E. Boden
7:05 AM - Medical Therapy for Patients with Angina Pectoris and Coronary Artery Disease
Who Do Not Get Revascularized: The “Rational” Interventionalist’s Perspective
Frederick F. Feit
7:25 AM - Reducing Clinical Events and Ischemia in the Post-PCI Patient with Persistent Symptoms
William E. Boden
7:45 AM - Q&A
William E. Boden
8:00 AM - Adjourn

EVENING SATELLITE SYMPOSIA

Impella: Redefining the Standards of Circulatory Support for Acute Heart Failure
Sponsored by ABIOMED, Inc
Renaissance Washington, DC Hotel, Renaissance Ballroom
Moderators: Mark B. Anderson, Eberhard Grube, Jose P.S. Henriques, Magnus Ohman, William O’Neill, Fred Resnic
7:30 AM - Reception and Registration
8:00 PM - Welcome
William O’Neill
8:05 PM - Future Perspectives of Circulatory Support in Acute Heart Failure: Rationale for a Continuum of Care
Magnus Ohman
8:20 PM - Bridging the Gap Between Cardiology and Surgery: What Makes Sense for Our Patients?
Eberhard Grube
8:35 PM - Protecting the Heart Under Stress During High-Risk Interventions: How Far Can We Push the Limit?
Fred Resnic
8:50 PM - Recovering the Dysfunctional Heart: Is it Time for a Paradigm Shift in Management of ACS?
Jose P.S. Henriques
9:05 PM - Recovering the Failing Heart: The Surgeons Can Still Pick It Up When Cardiologists Give Up
Mark B. Anderson
9:20 PM - Late Breaking Clinical Trials with Minimally Invasive Circulatory Support Technology: IMPRESS, PROTECT, and RECOVER: What Does it All Mean?
William O’Neill
9:35 PM - Panel Discussion
10:00 PM - Adjourn

Delivering Safety to Today’s Patients
Sponsored by Biosensors International, Devax, Inc, and Xtent, Inc
Renaissance Washington, DC Hotel, Grand Ballroom South
Moderators: Peter J. Fitzgerald, Gregg W. Stone
7:00 PM - Reception and Registration
8:00 PM - Welcome
Gregg W. Stone
8:05 PM - Current Perspective on Drug-Eluting Stent Safety
Peter J. Fitzgerald
8:20 PM - XTENT Custom NX Drug-Eluting Stent System
Bernard De Bruyne
8:35 PM - Devax Axcess Bifurcation Stent
Stefan Verheyne
8:50 PM - Biosensors BioMatrix Biolimus A9-Eluting Coronary Stent: A Next Generation Drug-Eluting Stent for Treatment of Coronary Artery Disease
Stephan Windecker
9:05 PM - An Evidence-Based Approach to Safety: What We Have Learned from Preclinical Studies of Drug-Eluting Stents
Renu Virmani
9:20 PM - Analysis of the Current Data: Biolimus A9 Trials and Registries
Eberhard Grube
9:35 PM - Closing Remarks
Gregg W. Stone
9:40 PM - Q&A
10:00 PM - Adjourn

Carotid Stenting: Focus on Technique and Reducing Stroke
Sponsored by Cardiovascular Research Foundation and educational partner
WakeHeart Cerebrovascular and Peripheral Research LLC
Supported through an educational grant from Boston Scientific Corporation, Cordis® Cardiac and Vascular Institute™, ev3, WakeMed Health and Hospitals*
*Commercial supporters as of 9/21/07
Grand Hyatt, Independence Ballroom
Moderators: Ravish Sachar, Jay S. Yadav
7:00 PM - Reception and Registration
8:00 PM - Welcome
Jay S. Yadav
8:05 PM - Timing, Location, and Characterization of Strokes in CAS: A Review of Current Data
William A. Gray
SATELLITE SYMPOSIA

8:15 PM - Approaching the High-Risk Patient: Symptomatic Patients and Octogenarians
Christopher J. White

8:25 PM - Accessing the Carotid for Intervention: How Do We Reduce the Risk?
Jay S. Yadav

8:35 PM - Alternatives to the Aortic Arch: Radial/Brachial Approaches
Tiff Mann

8:40 PM - Embolic Protection Devices: The Pros and Cons
Gary Ansel

8:50 PM - Is it Possible to Match Stent to Anatomy?
Rajesh M. Dave

9:00 PM - Post-Dilating the Lesion: The Moment of the Greatest Risk (and Opportunity)
Ravish Sachar, Matthew Hook

9:10 PM - Putting it All Together: Complex Case Presentations
Ravish Sachar, Matthew Hook

9:45 PM - What is the Most Effective Focus of Future Iteration? Designing New Trials and Devices
Kenneth Rosenfield

9:55 PM - Closing Remarks
Ravish Sachar

10:00 PM - Adjourn

Acute STEMI: Overcoming Periprocedural Challenges in Patients Undergoing PCI

Sponsored by i3 CME
Supported through an educational grant from PDL BioPharma, Inc.
Marriott Metro, Ballroom
Moderator: William E. Boden

7:00 PM - Reception and Registration

8:00 PM - Welcome
William E. Boden

8:05 PM - Challenges to Achieving Optimal Quality of Care and Outcomes in STEMI
William E. Boden

8:30 PM - Question and Answer Session
William E. Boden

8:35 PM - Contemporary Reperfusion Strategies for STEMI: Insights from Recent Clinical Trials
Stephen G. Ellis

9:05 PM - Q&A
Stephen G. Ellis

9:10 PM - Minimizing Periprocedural Complications: Practical Issues and Recommendations
Tim A. Fischell

9:35 PM - Q&A
Tim A. Fischell

9:40 PM - Real World Challenges in Interventional Cardiology: Case Review and Audience Response Panel

10:00 PM - Adjourn

Making Your Case: Up-to-Date Answers for Developing Trends in PCI

Sponsored by INNOVIA Education Institute, LLC
Supported through an educational grant from sanofi-aventis, US
Grand Hyatt, Constitution Ballroom
Moderator: C. Michael Gibson

7:00 PM - Reception and Registration

8:00 PM - Welcome and Symposium Overview
C. Michael Gibson

8:05 PM - New Guidelines, Studies, and Interventions in PCI
Steven R. Steinhubl

8:20 PM - Recent Trends in PCI: Evidence from National Registries
Eric D. Peterson

8:35 PM - Interactive Case Studies: Interactive Discussion of Case Studies Provided by Symposium Participants with a Focus on STEMI, NSTEMI, and Elective Interventions (PCI/Peripheral)
C. Michael Gibson

9:30 PM - PCI in 2007: Take Away Messages
Ehtisham Mahmud

9:45 PM - Q&A
C. Michael Gibson

10:00 PM - Adjourn

MONDAY, OCTOBER 22

BREAKFAST MEETINGS

Strategies to Reduce Vascular Access Complications

Sponsored by Abbott Vascular
Room 143B, Washington Convention Center
Moderators: Steven R. Bailey, Benjamin W. Starnes, Zoltan G. Turi

7:00 AM - Good Access = Good Hemostatis
Zoltan G. Turi

7:20 AM - The Arterial Healing Impact of Closure Devices
Steven R. Bailey

7:40 AM - Patient Selection and Access Site Complications
Benjamin W. Starnes

8:00 AM - Adjourn

Advanced Endovascular Techniques for the Treatment of Infrapopliteal Disease

Sponsored by the Cardiovascular Research Foundation
Supported through an educational grant by Edwards Lifesciences
Room 149AB, Washington Convention Center
Moderator: Krishna Rocha-Singh

7:00 AM - Challenges to Techniques and Technologies for the Treatment of Infrapopliteal Disease: An Overview
Krishna Rocha-Singh

7:05 AM - Evolving Strategies for the Use of Nitinol Stents and Nitinol Stent Grafts for Femoropopliteal Occlusive Disease
John R. Laird, Jr

7:20 AM - Adjunct Therapies to PTA: Have Extracranial Atherectomy, Cryoplasty, and Laser Atherectomy Shown Their Values?
Lawrence A. García

7:40 AM - Bare Metal Stents, Drug-Eluting Stents, Bioabsorbable Stents: Evolving Therapies for Infrapopliteal Occlusive Disease
Thomas O. McNamara

7:55 AM - Q&A

8:00 AM - Adjourn

Management of Peripheral Arterial Disease: Challenges and Conquests

Sponsored by the Cardiovascular Research Foundation
Supported through an educational grant from Spectranetics
Room 144B, Washington Convention Center
Moderator: Michael R. Jaff

7:00 AM - Challenges and Options in Managing Infrapopliteal Arterial Disease
James Joyce

7:15 AM - When to Intervene in Below-Knee Peripheral Arterial Disease
Robert M. Bersin

7:30 AM - Technical Strategies for Endovascular Intervention in Critical Limb Ischemia
Gary Ansel

7:45 AM - Strategies for Management of In-Stent Restenosis
Tony Das

8:00 AM - Adjourn
**SATELLITE SYMPOSIA**

**The Coherex FlatStent™: The Future of PFO Closure**

Sponsored by Coherex Medical, Inc  
Room 144C, Washington Convention Center  
Moderators: David R. Holmes, Martin B. Leon, Mark Reisman, Robert J. Sommer, Jonathan M. Tobis, Brian Whisenant  
7:00 AM - New Frontiers: Structural Heart Surgery in the Interventional Suite  
Martin B. Leon  
7:10 AM - The Coherex FlatStent™ PFO Closure System: Device Design and Preclinical Testing  
Brian Whisenant  
7:20 AM - Initial Experience with the Coherex FlatStent  
Jonathan M. Tobis  
7:30 AM - Establishing a Migraine PFO Research Program: Real World Issues  
Robert J. Sommer  
7:40 AM - Optimizing Patient Selection and Clinical Trial Design in Migraine  
Mark Reisman  
7:50 AM - The Potential Global Impact of an Approved Migraine Indication for PFO  
8:00 AM - Adjourn  

**DES Safety Summit: A Clinical Update**

Sponsored by Cordis® Cardiac and Vascular Institute™  
Room 150A, Washington Convention Center  
Moderator: David G. Rizik  
Each session will be followed by five minutes of Q&A  
7:00 AM - Assessing the Landscape of Stent Thrombosis  
David G. Rizik  
7:20 AM - The Role of Antiplatelet Therapy Resistance in the Modern DES Era  
Daniel I. Simon  
7:40 AM - Higher Risk Patients  
Raj Makkar  
8:00 AM - Adjourn  

**Performing Aortic Valve Replacement in the Cath Lab**

Sponsored by CoreValve, Inc  
Room 143C, Washington Convention Center  
Moderator: Maurice Buchbinder  
7:00 AM - The CoreValve ReValving System: Technology Update and Patient Selection  
Maurice Buchbinder  
7:15 AM - Case Presentation: Learning Curve Considerations  
Raoul Bonan  
7:25 AM - Case Presentation: Sizing Considerations  
Peter Dejaegere  
7:45 AM - Q&A  
8:00 AM - Adjourn  

**Optical Coherence Tomography: Current Applications and Future Development**

Sponsored by LightLab Imaging, Inc  
Room 144A, Washington Convention Center  
Moderator: Gary S. Mintz  
7:00 AM - Openings Comments  
Gary S. Mintz  
7:05 AM - Identification of vulnerable plaques by OCT  
Takashi Akasaka  
7:17 AM - Evolving Technologies for Coronary Imaging  
Peter J. Fitzgerald  
7:29 AM - OCT for Stent Evaluation  
Evelyn Regar  
7:41 AM - OCT for BEYOND: Intracoronary Light-Based Imaging  
Sergio Waxman  
7:53 AM - Q&A  
8:00 AM - Adjourn  

**Contrast Media Use in High-Risk Patients: The Latest Data**

Sponsored by NACCMÉ  
Supported through an educational grant from Bracco Diagnostics Inc  
Organized by HMP Communications  
Room 150B, Washington Convention Center  
Moderator: Jonathan S. Reiner  
7:00 AM - Contrast-Induced Nephropathy: Who is a High-Risk Patient?  
Cindy L. Grines  
7:15 AM - Safety of Angiographic Contrast Media in High-Risk Patients: Data from the CARE Study  
Jonathan S. Reiner  
7:30 AM - Reducing Risk in Patients with Renal Impairment Undergoing Cardiac Angiography  
Roxana Mehran  
7:45 AM - Q&A  
8:00 AM - Adjourn  

**Antiplatelet Therapy for ACS: Weighing Long-Term Outcome vs. Short-Term Risk**

Sponsored by Potomac Center for Medical Education  
Supported through an educational grant from Schering Plough Corp  
Room 143A, Washington Convention Center  
Moderator: C. Michael Gibson  
7:00 AM - Welcome  
C. Michael Gibson  
7:05 AM - Antiplatelet Therapy: Anti-Ischemic Benefits Versus Bleeding Risk  
C. Michael Gibson  
7:20 AM - Rationale for Role of Antiplatelet Therapy  
Paul A. Gurbel  
7:35 AM - Advances in Antiplatelet/ Antithrombotic Therapy in ACS and PCI  
David J. Moliterno  
7:50 AM - Q&A and Concluding Remarks  
C. Michael Gibson  
8:00 AM - Adjourn  

**Clinical Aspects of Transradial Access**

Sponsored by Terumo Interventional Systems  
Room 154AB, Washington Convention Center  
Moderator: Jeffrey J. Popma  
7:00 AM - Decreased Complications and Increased Clinical Efficiency in Certain Types of Procedures and Patients  
Jeffrey J. Popma  
7:15 AM - The Need for Increased Training to Establish Clinical Proficiency in Transradial Access  
John T. Coppola  
7:30 AM - How Simulator Training Can Speed the Adoption of a Steeper Learning Curve in Transradial Access  
Yves R. Louvard  
7:45 AM - Use of Transradial Access in the STEMI Patients  
Jean Fajadet  
8:00 AM - Adjourn  

**EVENING SATELLITE SYMPOSIA**

**What Leads to Optimal Outcomes? What We Have Learned: CAPTURE 3500 Predictors**

Sponsored by Cardiovascular Research Foundation  
Supported through an educational grant from Abbott Vascular  
Renaissance Washington, DC Hotel, Renaissance Ballroom  
Moderator: William A. Gray
Managing It Today, Planning for Tomorrow: Optimizing Antiplatelet Therapy in PCI
Sponsored by INNOVIA Education Institute
Supported through an educational grant from AstraZeneca LP
Renaissance Washington, DC Hotel, Congressional Ballroom
Moderators: Peter B. Berger, David J. Moliterno
7:00 PM - Reception and Registration
8:00 PM - Welcome
David J. Moliterno
8:05 PM - Antiplatelet Therapy Before PCI: How Much and When?
David J. Moliterno
8:25 PM - Platelet Inhibition and Variable Response: Implications for Patient Outcomes
Peter B. Berger
8:45 PM - Panel Discussion
9:05 PM - Antiplatelet Therapy After PCI: How Much and How Long?
Adnan Kastrati
9:25 PM - New Antiplatelet Therapies: Arrival of the Next Generation
Steven R. Steinhardt
9:45 PM - Q&A and Closing Remarks
10:00 PM - Adjourn

New Evidence in DES Outcomes: The Road Traveled Since the World Congress of Cardiology 2006
Sponsored by Cordis® Cardiac and Vascular Institute™
Organized by Cardiovascular Research Foundation
Grand Hyatt, Constitution Ballroom
Moderator: Christian Spaulding
7:00 PM - Reception and Registration
8:00 PM - Year in Review: The Headlines on Clinical Practice
Christian Spaulding
8:25 PM - Understanding the Drug-Eluting Stent Evidence: The Latest Data Set on PCI to Date
Stephan Windecker
8:50 PM - My Experience with Drug-Eluting Stents: Applying the Evidence to Clinical Practice
Jeffrey W. Moses
9:05 PM - Where Does the Road Lead Next? The Future of Sirolimus-Eluting Stents
Lowell F. Satler
9:20 PM - Q&A
9:45 PM - Adjourn

The New Era in Drug-Eluting Stents
Sponsored by Medtronic, Inc
Renaissance Washington, DC Hotel, Grand Ballroom
Moderator: Martin B. Leon
7:00 PM - Reception and Registration
8:00 PM - Critical insights from the Pivotal ENDEAVOR IV Trial: Subset Analyses, IVUS Findings, Case Examples, and Perspectives on the Future
Martin B. Leon
8:10 PM - Thoughts on PCI Safety: Do Future Generation Products Solve This Concern
Stephan Windecker
8:25 PM - Reconciling Angiographic and Clinical Results After Stent Treatment: A Critical Appraisal and Recommendations for Clinical Assessments of Future Stents
Jeffrey J. Popma
8:45 PM - Will Next Generation Anti-Platelet Agents Impact Clinical Outcomes After DES Treatment
Peter B. Berger
9:05 PM - Updated Status Report on Clinical Outcomes with Medtronic Stent Clinical Program: Clinical Trial Experiences and “Real World” Outcomes
Alan C. Yeung
9:25 PM - Q&A
10:00 PM - Adjourn

Critical Challenges and Landmark Advances in Vascular Interventional Management
Sponsored by University of the Massachusetts School of Medicine Office of Continuing Education
Supported through an educational grant from The Medicines Company
Organized by CMEDUCATION Resources, LLC
Marriott Metro, Ballroom
Moderator: Deepak L. Bhatt
8:00 PM - Where Metal Meets Thrombus and Endothelium: A State of the “Union”
Keynote Address
Deepak L. Bhatt
8:30 PM - The Evolving Antithrombotic Landscape for Patients with ST-Elevation Myocardial Infarction: What’s on the HORIZON
Gregg W. Stone
8:55 PM - Getting in the Stream of Antithrombotic Therapy for ACS: What Do The Trials Tell Us? To Switch or Not to Switch: If, When, How, To What? These Are the Questions
Ron Waksman
9:20 PM - Bleeding, Mortality, and Risk Profiling for Invasive Vascular Management of ACS
Steven V. Manoukian
9:45 PM - Where Metal Meets Thrombus and Vascular Endothelium: A Case Study Analysis of Upstream Interventions
Deepak L. Bhatt, Steven V. Manoukian, Gregg W. Stone, Ron Waksman
10:00 PM - Adjourn

TUESDAY, OCTOBER 23

BREAKFAST MEETINGS
Metallic Stents vs. DES: Philosophies and Case Discussions
Sponsored by Abbott Vascular
Room 150A, Washington Convention Center
Moderators: Stephen G. Ellis, Gregory J. Mishkel
7:00 AM - Introduction and Market Overview
Stephen G. Ellis, Gregory J. Mishkel
7:05 AM - Changes in Today’s Practice; Stent Thrombosis and Healing Mechanisms
Stephen G. Ellis, Gregory J. Mishkel
**SATellite Symposia**

7:20 AM - Role of Bare Metal Stents vs. First Generation DES
   Stephen G. Ellis, Gregory J. Mishkel

7:40 AM - Second Generation DES
   Stephen G. Ellis, Gregory J. Mishkel

7:55 AM - Closing Remarks
   Stephen G. Ellis, Gregory J. Mishkel

8:00 AM - Adjourn

**The AngioSculpt® Scoring Balloon Catheter: New Innovations for the Treatment of Challenging Coronary and Peripheral Lesions**

Sponsored by AngioScore, Inc
Room 143A, Washington Convention Center
Moderator: Martin B. Leon

7:00 AM - Welcome
   Martin B. Leon

7:03 AM - Overview of the AngioSculpt Technology Platform for Coronary and Peripheral Vascular Disease
   Martin B. Leon

7:15 AM - Emerging Role of the AngioSculpt Device for the Treatment of Coronary Bifurcations and Other Complex Lesion Subsets
   Patrick Whitlow

7:25 AM - Long-Term Results with the AngioSculpt Scoring Balloon for the Treatment of Critical Limb Ischemia: The Belgian Experience
   Patrick J. Peeters

7:35 AM - Importance of the AngioSculpt in the “Toolbox” of a Comprehensive Endovascular Interventionalist
   Rajesh Dave

7:45 AM - Next Generation Devices and a Drug-Coated AngioSculpt Balloon
   Gary Gershony

7:50 AM - Closing Remarks
   Martin B. Leon

8:00 AM - Adjourn

**Hemodynamics, Electrolytes, Acute Kidney Injury: Novel Considerations in Contrast Selection**

Sponsored by Center for Biomedical Communications, Inc (CBC)
Supported through an educational grant from GE Healthcare
Organized by PAREXEL MMS
Room 143B, Washington Convention Center
Moderator: Peter A. McCullough

7:00 AM - Introductory Remarks
   Peter A. McCullough

7:05 AM - What Every Clinician Should Know About Iodinated Contrast Media
   Charles J. Davidson

7:20 AM - CTA or Invasive Coronary Angiography: What Would You Do in This Case?
   James K. Min

7:35 AM - Acute Kidney Injury After Contrast: A Serious Problem by Any Name
   Peter A. McCullough

7:50 AM - Questions and Closing Remarks

8:00 AM - Adjourn

**The Role Of Heparin Bonded Devices In The Treatment Of Lower Limb Arterial Disease**

Sponsored by Gore and Associates
Room 149AB, Washington Convention Center
Moderator: Tom Keefe

7:00 AM - Transcending Mechanical Solutions with the Gore PROPATEN Vascular Graft
   Richard Neville

7:20 AM - SFA Endoluminal Bypass with the Gore WIABAHN® Endoprosthesis with Heparin Bioactive Surface
   Tanvir Bajwa

7:40 AM - Questions

8:00 AM - Adjourn

**COOL IT: Experience in Cooling Cardiac Arrest STEMI Patients**

Sponsored by Medivance, Inc
Room 143C, Washington Convention Center
Moderator: Michael R. Mooney

7:00 AM - The Application of Hypothermia in the Newest Treatment for STEMI Post-Cardiac Arrest: Why and How They Can Be Done Simultaneously for Best Outcomes?
   Michael R. Mooney

7:15 AM - Role of Intensivists for the Critical Patient Management Immediately Following Cardiac Intervention
   William M. Parham, III

7:30 AM - Implementation of Simultaneous Treatments for STEMI and Therapeutic Hypothermia: Treatment Protocols from Rural to Tertiary as well as Those Presenting at Tertiary Center
   Barbara Unger

7:45 AM - Questions

8:00 AM - Adjourn

**Solutions to Coronary Chronic Total Occlusions**

Sponsored by Medtronic, Inc
Room 150B, Washington Convention Center
Moderator: William Lombardi

7:00 AM - Opening Remarks and Introductions
   William Lombardi

7:05 AM - Practical Techniques and Approaches to CTOs
   William Lombardi

7:15 AM - Lesion Specific Approaches to CTOs
   James Zidar

7:25 AM - Approaching CTOs in an Emerging Market: Experience from India
   Ibrahim Alrashdan

7:35 AM - Case Review: Panel Discussion
   Ibrahim Alrashdan, William Lombardi, James Zidar

7:55 AM - Questions

8:00 AM - Adjourn

**AngioJet®: A Safe Therapy and Independent Predictor for Lowering Stent Thrombosis**

Sponsored by Possis Medical
Room 144A, Washington Convention Center
Moderator: Cindy L. Grines

7:00 AM - AngioJet in STEMI
   Cindy L. Grines

7:20 AM - AngioJet in STEMI & SVGs
   George Sianos

7:40 AM - AngioJet and Late Stent Thrombosis
   Fadi A. Matar

8:00 AM - Adjourn

**Nine Cases That Will Change Your Practice: FFR Case Review**

Sponsored by Radi Medical Systems
Room 152B, Washington Convention Center
Moderator: Morton J. Kern

7:00 AM - Opening Comments
   Morton J. Kern

7:05 AM - Angiographic Conundrums: Ostial and Branch Lesions
   Morton J. Kern

7:20 AM - MVD and Use in Complex Patients
   Nico Pijs

7:35 AM - Dilemmas in Practice: SVG and CABG
   Augusto D. Pichard

7:50 AM - Questions

8:00 AM - Adjourn
EVENING SATELLITE SYMPOSIA

The Science Behind Stent Leadership
Sponsored by Abbott Vascular
Renaissance Washington, DC Hotel, Renaissance Ballroom
Moderator: Patrick W. Serruys
7:00 PM - Reception and Registration
8:00 PM - Introduction to the Meeting
Patrick W. Serruys
8:05 PM - Role of BMS in a DES World
James B. Hermiller, Jr
8:20 PM - SPIRIT II and III 1-Year Update
Patrick W. Serruys
8:40 PM - Intravascular Ultrasound Evaluation of XIENCE™ Results from SPIRIT III
Peter J. Fitzgerald
8:55 PM - The Science Behind Bioabsorbable DES: BVS/ABSORB Update
Dariusz Dudek
9:10 PM - Cardiovascular Disease in Women: Do Meaningful Differences Affect Prognosis and Therapeutic Response Following PCI
Alexandra Lansky
9:25 PM - Q&A
10:00 PM - Adjourn

The Amazing Shrinking Infarct: Results from AMIHOT II: SuperOxygenation Therapy for the Treatment of Acute Myocardial Infarction
Sponsored by TherOx, Inc
Renaissance Washington, DC Hotel, Congressional Ballroom
Moderator: Jack L. Martin
7:00 PM - Reception and Registration
8:00 PM - Introduction
Jack L. Martin
8:05 PM - Super Oxygenated Therapy: Why Does it Work?
J. Richard Spears
8:10 PM - Previous Studies of Ancillary Therapies to PCI in AMI
Simon R. Dixon
8:30 PM - Infarct Size: Is It a Valid Endpoint?
Todd D. Miller
8:45 PM - Remodeling in AMI: The Leiden Experience in AMIHOT I
Hazem Warda
9:00 PM - Results of AMIHOT II: An In-Depth Look
Jack L. Martin
9:20 PM - How Do I Incorporate Super Oxygenated Therapy in the Cath Lab?
D. Christopher Metzger, Ezio Bramucci
9:30 PM - Q&A
10:00 PM - Adjourn

PCI Today: Insights into Short and Long-Term Risk Reduction With Antiplatelet Therapy
Sponsored by Vascular LLC
Supported through an educational grant from Bristol-Myers Squibb Company and sanofi-aventis
Grand Hyatt Hotel, Independence Ballroom A
Moderator: Cindy L. Grines
*A brief question and answer session will follow each presentation.
7:00 PM - Reception and Registration
8:00 PM - Introduction
Cindy L. Grines
8:05 PM - Contemporary PCI Practice Patterns
Christopher P. Cannon
8:30 PM - Our Evolving Understanding of Loading Oral Antiplatelet Therapy
Shamir R. Mehta
8:55 PM - Antiplatelet Therapy Post PCI
Cindy L. Grimes
9:20 PM - Understanding Definitions and Guidelines: An Interventionalist’s Perspective
Donald E. Cutlip
9:45 PM - Case Presentation
Cindy L. Grines
10:00 PM - Adjourn

Preclinical to Patients: The DES Pathway
Sponsored by Boston Scientific Corporation
Renaissance Washington, DC Hotel, Grand Ballroom
Moderator: Keith D. Dawkins
7:00 PM - Reception and Registration
8:00 PM - Welcome and Introductions
Keith D. Dawkins
8:10 PM - Drug Development: What Do We Know About the Actions of Current DES Molecules?
Aloke V. Finn
8:25 PM - Drug-Eluting Stents State of the State – Is There Calm After the Storm?
Keith D. Dawkins
8:40 PM - BSC the Next Platform: What is the Clinical Performance of the Next Generation DES Stent?
Mark A. Turco
8:55 PM - Dual Anti-Platelet Therapy: What Impact Does Dual Antiplatelet Therapy Have on DES Clinical Outcomes?
Steven R. Steinshubl
SATELLITE SYMPOSIA

9:10 PM - Questions & Answers  
Keith Dawkins, Aloke Finn, Mark Turco,  
Steven SteinhuBl
9:30 PM - Adjourn

Clinical Insight: SilverHawk  
Performance in Diabetics and Treating BTK Disease  
Sponsored by FoxHollow Technologies  
Marriot Metro, Ballroom  
Moderator: Roger Gammon
7:00 PM - Reception and Registration
8:00 PM - Forging New Frontiers: Advances in the Treatment of Infrapopliteal Disease  
Roger Gammon
8:30 PM - Anti-Restenosis, Plaque Analysis and the Future  
Daniel Lerner
9:30 PM - European Experiences with SilverHawk  
Thomas Zeller
10:00 PM - Adjourn

WEDNESDAY, OCTOBER 24

BREAKFAST MEETINGS

Closing the Gap: Atrial Defect Interventions in Adults  
Sponsored by AGA Medical Corporation  
Room 144C, Washington Convention Center  
Moderator: Ted E. Feldman
7:00 AM - Opening Comments  
Ted E. Feldman
7:05 AM - How to Setup ACHD Practice  
Ted E. Feldman
7:20 AM - Implant Tips and Tricks  
John M. Lasala
7:35 AM - Adult Patient: Case Study Review  
Howard Hermann
7:50 AM - Q&A
8:00 AM - Adjourn

CLI: Real World Treatment Strategies  
Sponsored by Cardiovascular Research Foundation  
Supported through an educational grant from Abbott Vascular  
Room 150A, Washington Convention Center  
Moderator: Thomas M. Shimshak
7:00 AM - Welcome  
Thomas M. Shimshak
7:05 AM - Diagnosis of Critical Limb Ischemia and Optimal Medical Therapy  
Michael R. Jaff
7:20 AM - Balloon Angioplasty, Cryoplasty, and Stenting for CLI  
Thomas M. Shimshak
7:35 AM - Excisional Atherectomy and Laser Therapy for CLI  
Rajesh M. Dave
7:45 AM - Q&A
8:00 AM - Adjourn

Chronic Total Occlusions: Clinical Evidence, Devices, and Latest Techniques  
Sponsored by Cardiovascular Research Foundation  
Supported through an educational grant from Kensey Nash Corporation  
Room 143A, Washington Convention Center  
Moderators: John S. Douglas, Jr, Charles A. Simonton
7:00 AM - Clinical Evidence for CTO Intervention and Newest Devices  
Charles A. Simonton
7:15 AM - My Favorite Devices and Techniques for Antegrade Approach  
Richard Heuser
7:30 AM - My Favorite Devices and Techniques for Retrograde Approach  
Etsuo Tsuchikane
7:45 AM - Case Examples of CTO Intervention  
John S. Douglas, Jr
8:00 AM - Adjourn

Transcatheter Heart Valve Fundamentals from Science to Patient: Edwards SAPIEN THV  
Sponsored by Edwards Lifesciences  
Room 152A, Washington Convention Center  
Moderator: John G. Webb
7:00 AM - Introduction  
John G. Webb
7:10 AM - Valve Design, Materials, and Process  
Larry Wood
7:30 AM - Delivering the Valve for Procedural and Long-Term Success  
John G. Webb
7:45 AM - Q&A and Conclusion  
John G. Webb, Larry Wood

The GORE HELEX Septal Occluder: An Innovative Tool For Atrial Septal Defect Closure  
Sponsored by Gore and Associates  
Room 154AB, Washington Convention Center  
Moderators: Michael Slack, David Hildick-Smith
7:00 AM - Welcome  
Michael Slack, David Hildick-Smith
7:10 AM - GORE HELEX Septal Occluder in Multi-Fenestrated ASD: A Case Study  
Michael Slack
7:30 AM - GORE HELEX Septal Occluder: A UK Perspective on Stroke and Migraine Treatment  
David Hildick-Smith
7:50 AM - Q&A
8:00 AM - Adjourn

Early Clinical Cerebral Protection Results and Evaluation with the FiberNet EPS  
Sponsored by Lumen Biomedical, Inc  
Room 144B, Washington Convention Center  
Moderator: Subbarao V. Mylavarapu
7:00 AM - Introduction  
Subbarao V. Mylavarapu
7:05 AM - Procedural Evaluation and Highlights of the New Delivery Tactics  
Horst Sievert
7:30 AM - US Carotid Pilot Study Results  
Gary M. Ansel
7:50 AM - A Case in Review with the FiberNet EP System  
Subbarao V. Mylavarapu
8:00 AM - Adjourn

Beyond Angiography: Near-Infrared Spectroscopy and Other Methods for Plaque Characterization  
Sponsored by InfraReDx, Inc  
Room 144A, Washington Convention Center  
Moderators: James E. Muller, Gregg W. Stone, Sergio Waxman, James A. Goldstein
7:00 AM - Overview of Vulnerable Plaque  
James E. Muller
7:10 AM - Characterization of Non-Flow Limiting Coronary Lesions: PROSPECT and Beyond  
Gregg W. Stone
7:20 AM - SPECTACL Trial  
Sergio Waxman
7:30 AM - Clinical Imperatives for Plaque Characterization: Scenarios in which Lesion Interrogation May Be Important  
James A. Goldstein
7:40 AM - Q&A
8:00 AM - Adjourn

MediGuide Medical Positioning System: First Clinical Experience  
Sponsored by MediGuide, Inc  
Room 143C, Washington Convention Center  
Moderator: Martin B. Leon

**THURSDAY, OCTOBER 25**

**BREAKFAST MEETINGS**

Clinical Results from the Appraisal Trial: Novel Systematic Delivery of a c-myc RNA Inhibitor for the Prevention of Restenosis  
Sponsored by Global Therapeutics  
Room 201, Washington Convention Center  
**Moderator:** S. Ward Casscells  
7:00 AM - Welcome  
S. Ward Casscells  
7:05 AM - Overview of NEUGENE® Antisense Drug, Its Method of Action, and What’s Next  
Patrick L. Iversen  
7:15 AM - Results of the APPRAISAL Trial  
Stefan Sack  
7:25 AM - University of Essen IVUS 6-Month Follow-Up of the APPRAISAL Trial  
Sebastian Philipp  
7:35 AM - Outline of Upcoming Clinical Trial  
7:45 AM - Q&A and Closing Remarks  
S. Ward Casscells  
8:00 AM - Adjourn

Acute and Chronic Treatment of Myocardial Infarction Patient  
Sponsored by Medtronic, Inc  
Room 202A, Washington Convention Center  
**Moderator:** Mark A. Turco  
7:00 AM - Welcome  
Mark A. Turco  
7:10 AM - Washington Hospital Center Experience in Treating AMI Patients  
Ron Waksman  
7:20 AM - Case Reviews Using Export Aspiration Catheter  
Charles Isley  
7:40 AM - Managing the AMI Patient Post Procedure  
Robert Dieter  
7:55 AM - Q&A  
Mark A. Turco  
8:00 AM - Adjourn

**SATELLITE SYMPOSIA**

7:00 AM - Medical Positioning System  
**Overview**  
Martin B. Leon  
7:10 AM - First Clinical Experience  
Andreas Jeron  
7:30 AM - Future MPS Applications  
Moshe Y. Flugelman  
7:45 AM - Q&A  
8:00 AM - Adjourn

**Solutions to Peripheral Total Occlusions**  
Sponsored by Medtronic, Inc  
Room 150B, Washington Convention Center  
**Moderators:** John R. Laird, Jr, Dirk Schienert  
7:00 AM - Introduction  
John R. Laird, Jr  
7:05 AM - Treatment Option Overview  
John R. Laird, Jr  
7:20 AM - Crossing CTOs in the SFA  
Dirk Schienert  
7:40 AM - Crossing CTOs in the Iliac  
John R. Laird, Jr  
7:55 AM - Q&A  
John R. Laird, Jr, Dirk Schienert  
8:00 AM - Adjourn

**Functional Mitral Regurgitation and the Left Ventricle: A Reshaping Therapy**  
Sponsored by Myocor®, Inc  
Room 143B, Washington Convention Center  
**Moderator:** Peter Block  
7:00 AM - Welcome  
Peter Block  
7:10 AM - Importance of the Left Ventricle when Treating FMR  
Robert Bourge  
7:30 AM - iCoapsys Pre-Clinical Experience  
Wesley R. Pedersen  
7:50 AM - Q&A  
8:00 AM - Adjourn

**Coronary Computed Tomographic Angiography (CTA) and IVUS/FFR: The New PCI Paradigm**  
Sponsored by Volcano Corporation  
Room 149AB, Washington Convention Center  
**Moderator:** Harvey S. Hecht  
7:00 AM - The New Paradigm of CTA Guided IVUS/FFR for Appropriate, Cost Effective PCI  
Harvey S. Hecht  
7:30 AM - Case Studies  
Harvey S. Hecht  
7:50 AM - Q&A  
8:00 AM - Adjourn

**Proxis: Embolic Protection in SVGs and AMI: Theory, Evidence and Practice**  
Sponsored by St. Jude Medical  
Room 202B, Washington Convention Center  
**Moderator:** Gregg W. Stone  
7:00 AM - From Theory to Evidence  
Gregg W. Stone  
7:15 AM - Advantages and Experiences with Proximal Embolic Protection in SVGs  
Daniel Dadourian  
7:30 AM - Interventional Experiences with Proximal Embolic Protection in AMI  
Karel Koch  
7:45 AM - Q&A  
8:00 AM - Adjourn
Please see the TCT abstract supplement in the American Journal of Cardiology for a complete listing of all authors and the text of each abstract.

TCT-1: Complete vs. Culprit Vessel Percutaneous Revascularization in Patients with Non-ST-Segment Elevation Acute Coronary Syndromes
Anibal A. Damonte et al

TCT-2: Biochemical Assessment of the Atherosclerotic Plaque Necrotic Core Content In Patients with Coronary Artery Disease
Adam Rzdanek et al

TCT-3: ST-Segment Analysis Using Wireless Technology in Acute Myocardial Infarction (STAT-MI) Trial
James Maher et al

TCT-4: Angiographic Findings and Outcomes in Unresponsive Patients with ST-Elevation Myocardial Infarction Resuscitated from Cardiac Arrest
Vinay R. Hosmane et al

TCT-5: Cellular Interventional Therapy for Non-Revascularizable Coronary Artery Disease - How Many Patients are Eligible?
Thomas Kiernan et al

TCT-6: Infarct Size and Myocardial Blood Flow After CD 133+ Stem Cells Therapy in Large Myocardial Infarction: A Randomized Controlled Trial
Alessandro Colombo et al

TCT-7: Results from the Multicenter, Prospective, Randomized, Single-Blind Trial on Intracoronary or Combined Percutaneous Intramyocardial and Intracoronary Administration of Non-Selected Autologous Bone Marrow Cells to Patients After Acute Myocardial Infarction
Mariani Gyongyosi et al

TCT-8: Repeated Autologous Bone Marrow Mononuclear Cell Therapy in Patients with Large Myocardial Infarction
Yao Kang et al

TCT-9: Assessment of Percutaneous Transluminal Septal Myocardial Ablation in Hypertrophic Obstructive Cardiomyopathy: Evaluation by Contrast Enhanced Magnetic Resonance Imaging
Kamaldeep Chawla et al

TCT-10: Pooled Analysis of Three Cardiot Artery Stenting Trials: Major Adverse Events in Patients with Anatomic vs. Physiological Risk Factors
Barry Katzen et al

TCT-11: The CAPTURE Registry: Timing, Distribution, Severity and Type of Stroke Following Carotid Artery Stenting in Symptomatic and Asymptomatic Patients
William Gray et al

TCT-12: New Distal Embolic Protection Device using a Three Dimensional Filter. Fibernet: 1st Carotid Human Study
Michel Henry et al

TCT-13: Evaluation of Proficiency using a Simulator: Results from the Assessment of Operator Performance by the Simbionix Carotid StEnting Simulator Study (ASSESS)
Giora Weisz et al

Robert J. Applegate et al

TCT-15: Relationship Between the Use of Vascular Closure Devices and Development of Retropertitoneal Hemorrhage Following Percutaneous Coronary Intervention
Frederic S. Resnic et al

TCT-16: Extravascular Closure for Patients with High Risk Femoral Anatomy
Mitchell N. Rashid et al

TCT-17: Radial Access PCI Is Associated with Reduced Transfusion and One Year Mortality Rates. M.O.R.T.A.L. Study (Mortality Benefit Of Reduced Transfusion After Angioplasty Using the Arm or Leg)
Alex J. Chase et al

TCT-18: Coronary Plaque Burden is Related to Serum HDL-C Levels, But Not to Other Lipid Parameters: Volumetric Intravascular Ultrasound Analysis
Eduardo Missel et al

Craig Gardner et al

TCT-20: Detection of Lipid Rich Lesions in Human Atherosclerotic Plaques by Intravascular MRI Catheter
Assaf Weiss et al

TCT-21: High Coronary Compliance Differential Between Stenotic and Distal Arterial Segments is Associated with Coronary Artery Disease Instability
Anthony J. White et al

TCT-22: A Prospective, Multicenter Clinical Trial to Evaluate the BioSTAR Bioabsorbable Septal Repair Implant for the Closure of Atrial Level Shunts: The BEST-Study
Michael Mullen et al

TCT-23: Transcatheter Device Occlusion of Atrial Septal Defects with Pulmonary Hypertension - Initial Results from the MAGIC Registry
Scott Lim

TCT-24: Transcatheter Closure of High-Risk Muscular Ventricular Septal Defects with the CardioSEAL Occluder: Mid-Term Follow-Up from the CardioSEAL VSD Registry
Scott Lim et al

Sunil Thanvi et al

TCT-26: DES Use for Bifurcation Lesions Treatment: Is There Any Difference in Clinical Outcomes Between the One- vs. Two-Stent Strategy?
Daniela Trabattoni et al

TCT-27: Comparison of Simple vs. Complex Stenting Strategy for Coronary Artery Bifurcation Lesions in Daily Practice
Zhan Gao et al

TCT-28: Impact of Diabetes on Repeat Revascularization After Unprotected Left Main Stenting in the Drug-Eluting Stent Era. A Report from the French Left Main Taxus Registry
Beatriz Vaquerizo et al

TCT-29: Long-Term Results Comparing Simple vs. Complex Stenting Techniques in the Treatment Of Bifurcational Unprotected Left Main Disease
Primiano Lombardi et al

TCT-30: Association of Severity of Aortic Valve Calcification to Segmental Coronary Artery Disease as Depicted by Number of Significantly Diseased Vessels Using 64 Slice Cardiac CT-Angiography
Shah Azmoon et al

TCT-31: Resonant Balloon Expandable Stent Designed for the Improved Visualization and Implantation in MRI
Erwin Immel et al

TCT-32: Identification of Culprit Vessel in Acute Coronary Syndrome by Cardiac Magnetic Resonance
Chiara Lanzillo

TCT-33: Performance Evaluation of Flat-Panel and 64 Detector Row CT-for Characterization of Vulnerable Plaque
L. Maximilian Buja et al

TCT-34: Drug-Eluting Stents for the Treatment of Chronic Total Occlusion: A Comparison with Sirolimus, Paclitaxel, Zotarolimus, Tacrolimus-Eluting, and EPC Capture Stent: Multicenter Registry in Asia
Sunao Nakamura et al

TCT-35: The Efficacy of Bilateral Approach for the Lesions with Chronic Total Occlusion in Acute Results CART-Registry
Masashi Kimura et al

• TOP PEER-REVIEWED ABSTRACT
TCT-36: Retrograde Recanalisation of Chronically Occluded Coronary Arteries. Initial Multicenter Experience
Georgios Sianos et al

TCT-37: Recanalization of Chronic Total Coronary Occlusions Using the CROSSER System as a First Attempt: The CRAFT-Study
Antonio Colombo et al

TCT-38: Pioglitazone Induced Regression and Shift in Plaque Composition In Coronary Atherosclerosis: Insight from an Intravascular Ultrasound Analysis
Fabrizio Clementi et al

TCT-39: Yellow Plaques Remain After Sirolimus-Eluting Stent Implantation: Angioscopic Comparison with Bare-Metal Stents
Masaki Awata et al

TCT-40: First Results of a New Method for Angiographic Calculation of Coronary Flow Reserve
Harald Rittger et al

TCT-41: A Flow-Guided Concept to Treat Side Branches in True Bifurcation Lesions: A Randomized Clinical Study (Thueringer Bifurcation Study, THUEBIS-Study)
Hubertus von Korn et al

TCT-42: The PATRIOT (Peripheral Approach To Recanalization In Occluded Totals) Study Results
James Joyce et al

TCT-43: Renal Angioplasty and Stenting Under Protection. Limitations. First Human Study with a 3-D Filter: The Fibernet
Michel Henry et al

TCT-44: Endovascular Repair of Thoracic Aortic Aneurysms and Symptomatic Type B Dissections in High-Risk Non-Surgical Patients: Results of a Single-Center Study
Joaquín Solís et al

TCT-45: Chronic Mesenteric Ischemia: Experience With PTA/ Stenting in Celiac and SMA Disease in 99 Patients
David E. Allie et al

TCT-46: Analysis of Left Main Coronary Artery Bifurcation Lesions Treated with Biolimus-Eluting DEVAX AXNESS Plus Nitinol Self-Expanding Stent: Intravascular Ultrasound Results of the AXXENT-Trial
Takao Hasagawa et al

TCT-47: JIM Results of Cappella Sideguard™ for Treatment of Coronary Bifurcations
Eberhard Grube et al

TCT-48: The pH Paradox in Humans: Impact of Rapid Restoration of Local Acid Loading on Reperfusion Injury in Acute Myocardial Infarction
Naoto Kiro et al

TCT-49: Infarct Thickening with Hydroxyapatite Gel Attenuates Left Ventricular Remodeling After MI
Liam P. Ryan et al

TCT-50: Clinical Outcome Following PCI Using Titanium-Nitride-Oxide Coated Stents in Complex Patients
Stephan Windecker et al

TCT-51: Short- and Mid-Term Intravascular Ultrasound Analysis of the New ENDEAVOR CR Zotarolimus-Eluting Stent: Insights from the RESOLUTE Trial
Katsuhisa Waseda et al

TCT-52: Near-to-Complete Short Term Re-endothelialization in Sirolimus-Eluting DES Using Electro-Grafting Technology (eG™)
Renu Virmani et al

TCT-53: Twelve-Month Clinical Outcomes Post Absorbable Metal Stent Implantation in Human Coronary Arteries: Results from the PROGRESS Study
Ron Waksmann et al

TCT-54: Long-Term Outcomes of Patients with Acute Coronary Syndromes and Chronic Renal Insufficiency Undergoing Percutaneous Coronary Intervention and Being Treated with Bivalirudin vs. Heparin Plus a Glycoprotein IIb/IIIa Inhibitor: Results from the Randomized ACUITY Trial
Roxana Mehran et al

TCT-55: Clopidogrel Pretreatment vs. Clopidogrel Exposure Prior to PCI in the ACUITY Trial: Does it Really Matter?
Steve Steinhubl et al

TCT-56: Impact of Anemia on 1-Year Ischemic Events and Mortality Among Patients with Acute Coronary Syndromes Undergoing Percutaneous Coronary Intervention
Steven V. Manoukian et al

TCT-57: Time Course of Neointimal Coverage Following Sirolimus-Eluting Stent Implantation: Up to Two Years Serial Angiographic Study
Masaki Awata et al

TCT-58: The Impact of Stent Thrombosis on the Long-Term Efficacy of Drug-Eluting Stents in Patients with Acute Myocardial Infarction - Insights into the RESEARCH and T-SEARCH Registries
Joost Daemen et al

TCT-59: Four-Year Follow-Up Patients with ST-Segment Elevation Acute Myocardial Infarction Treated with Sirolimus-Eluting Stents: Multicenter Registry
Sunao Nakamura et al

TCT-60: Triple Antiplatelet Therapy Improves Long-Term Outcomes After Percutaneous Coronary Intervention in Patients with Acute Coronary Syndromes
Yaling Han et al

TCT-61: Diabetes as a Predictor for Stent Thrombosis, Myocardial Infarction and Mortality After Coronary Stent Implantation - A Danish Population-Based Cohort Study
Michael Maeng et al

TCT-62: Predictors of Adverse Events in Patients with Unprotected Left Main Disease Treated with Drug-Eluting Stents: Evidence from a Collaborative Meta-Regression
Giuseppe Biondi Zoccai et al

TCT-63: The European Multicenter, Randomized, Double-Blind Study of the Sirolimus-Eluting Stent in the Treatment of Patients with De Novo Coronary Artery Lesions: 5-Year Clinical Outcomes of the E-SIRIUS TRIAL
Henning R. Kelbaek et al

TCT-64: Three-Year Clinical Results from the TAXUS V De Novo Trial: Long-Term Safety and Efficacy of the Paclitaxel-Eluting TAXUS Stent in Complex Lesions
Stephen G. Ellis et al

TCT-65: Safety and Durable Efficacy of the Polymer-Based, Paclitaxel-Eluting TAXUS Stent: Final 5-Year Outcomes from the TAXUS IV Trial
Gregg W. Stone et al

TCT-66: Stent Thrombosis, Myocardial Infarction, and Mortality Following Drug-Eluting and Bare Metal Stent Coronary Interventions in Patients with Diabetes Mellitus
Michael Maeng et al

TCT-67: ABSORB Trial: Twelve Months Results of Clinical Evaluation of the Bioabsorbable Everolimus-Eluting Coronary Stent System in the Treatment of Patients with De Novo Native Coronary Artery Lesions
Patrick W. Serruys et al

TCT-68: Percutaneous Treatment of Unprotected Left Main Coronary Stenoses with Paclitaxel-Eluting Stents. Mid-Term Results of a French Prospective Multicenter Study (FRIEND Register)
Didier Carrié et al

TCT-69: Impact of Sirolimus-Eluting Stent and Paclitaxel-Eluting Stent on the Outcome of Patients with Sirolimus-Eluting Stent Failure: Multicenter Registry
Sunao Nakamura et al

TCT-70: Long-Term Results After Sirolimus-Eluting Stent Implantation for In-Stent Restenosis: Evidence for a Late Catch-Up Phenomenon
Ismail Sheiban et al
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TCT-71: Prevalence and Clinical Implication of Stent Fracture After Sirolimus-Eluting Stent Implantation - The Impact of Lesion Complexity
Kazushige Kadota et al

TCT-72: Long-Term (Up to 5 Years) Clinical Outcomes of Drug-Eluting Stents for Coronary In-Stent Restenosis in the Real World - Insights from the DESIRE-ISR<br>Registry<br>Julio P. Maia et al

• TCT-73: Late and Very-Late Stent Thrombosis Following Elective Drug-Eluting Stent Implantation in Unprotected Left Main Coronary Artery: A Multicentre Registry<br>Alaide Chieffo et al

TCT-74: Dual Antiplatelet Therapy Following Percutaneous Coronary Intervention with Stent Implantation in Patients on Chronic Oral Anticoagulation<br>Renata Rogacka et al

TCT-75: Percutaneous Coronary Interventions in Patients 60 Years of Age: Are We Pushing the Limits?<br>Abid Assali et al

TCT-76: Transfer of ST-Elevation Myocardial Infarction Patients with Cardiogenic Shock for Primary Percutaneous Coronary Intervention<br>Timothy D. Henry et al

TCT-77: Impact of Distal Embolization Occurring During Direct-PCI on Infarct Size and Infarct Transmurality: A Magnetic Resonance Imaging Study<br>Massimo Napodano et al

TCT-78: Coronary Stent Prescription with Computed Tomographic Coronary Angiography<br>Christopher A. Glover et al


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TCT-80: High Clopidogrel Maintaining Dosage Improves Long-Term Clinical Outcomes in Patients with Acute Coronary Syndrome Undergoing Drug Eluting Stent Implantation<br>Yaling Han et al

TCT-81: Variability In P2Y12-Mediated Platelet Reactivity Is Not Associated with Peri-procedural Ischemic Events in Patients on Maintenance Clopidogrel Therapy Treated with Bivalirudin Monotherapy<br>Matthew J. Price et al


TCT-83: Impact of Clostazol on Performance of Drug-Eluting Stent According to Stent Type Subgroup Analysis of DECLARE Trial<br>Seung-Whan Lee et al

TCT-84: Long Term Results of Stenting TASC C Lesions in the SIRCOCCO II Study: Multi-Center, Prospective, Double-Blinded, Randomized, Two-Arm Feasibility Clinical Investigation of the Cordis Sirolimus Coated SMART™ Nitinol Self-expandable Stent for the Treatment of Obstructive Superficial Femoral Artery Disease<br>Dierk Scheinert et al

TCT-85: Severe Calcification and Length of Stented Segments Are Independent Risk-Factors for Stent Fractures<br>Jacqueline Sax et al

TCT-86: Diagnostic Accuracy of Renal Pressure Measurements to Assess the Significance of Renal Artery Stenosis: Comparison with Intravascular Ultrasound, Quantitative Ultrasound, and Duplex Ultrasound<br>Massoud A. Leesar et al

TCT-87: Interim Report on the Zilver(R) PTX(TM) Clinical Trial<br>Gary M. Ansel et al

TCT-88: Treating Below-Knee Critical Limb Ischemia with Drug Eluting Stents. Early and Late Clinical Outcomes<br>Andrew Feiring et al

• TCT-89: Long-Term Durability of Endoluminal Stenting for Obstructive Lesions of the Subclavian Artery: Multicenter Registry<br>Sunao Nakamura et al

• TCT-90: The Long-Term Prognosis of Patients with Small Abdominal Aortic Aneurysms Following Surgery or Surveillance: 12-Year Final Follow-Up of Patients Enrolled in the UK Small Aneurysm Trial<br>R. M. Greenhalgh et al

TCT-91: Increased Incidence of Device-Related Complications with the Use of SilverHawk Atherectomy for the Treatment of Intrainguinal Peripheral Arterial Disease<br>Luis A. Guzman et al

• TCT-92: Three-Year Follow-Up After Carotid Artery Stenting in High Surgical Risk Patients: The BEACH and CABERNET-Trials<br>Christopher J. White et al


TCT-94: Closed- or Open-Cell Stents in Carotid Artery Stenting: Short-Term Outcome of Patients Undergoing Carotid Stenting According to the Stent Type<br>Dimitrios N. Nikas et al

TCT-95: Hyperperfusion Syndrome Following Carotid Artery Stenting: The Largest Single-Operator Series to Date<br>Hulton P. Brantley et al

• TCT-96: Cytotoxic T-Lymphocyte Antigen 4 Gene Polymorphism Associated with ST-Segment Elevation Acute Myocardial Infarction<br>Hor-Kan Yip et al

TCT-97: Gene Transfer of Sarco/Endoplasmic Reticulum Calcium ATPase Inhibits Neointima Formation in Human Mammary Arteries While Augmenting Endothelial Cell Proliferation<br>Roger Hajjar et al

TCT-98: Diagnostic and Prognostic Values of Platelet Glycoprotein IIb/ IIIa Gene Polymorphism in the Pathogenesis of In-Stent Restenosis<br>Helmy H. El-Ghawaby et al

TCT-99: Regional STEMI Networks in Southern California Reduce Door-to-Balloons Time: Pooled Data from 4 Counties<br>Ivan C. Rokos et al

• TCT-100: The FINESSE (Facilitated Intervention with Enhanced Reperfusion Speed to Stop Events) Trial: Results of the Formal Low Molecular Weight Heparin Substudy<br>Gilles Montalescot et al

TCT-101: Primary PCI Performed with Delay <120 Minutes from Diagnosis Seems Acceptable in Terms of Short-Term Clinical Outcomes. Results from EUROTRANSFER Registry<br>Zbigniew Sludak et al

TCT-102: Safety and Efficacy of Bivalirudin With and Without Glycoprotein IIb/IIIa Inhibitors in Patients with Acute Coronary Syndromes Undergoing Percutaneous Coronary Intervention: 1-Year Results from the Randomized ACUITY Trial<br>Harvey D. White et al

TCT-103: Nationwide Trends in the Utilization of Coronary Artery Bypass Surgery (CABG) in the US<br>Muhammad Reza Movahed et al

• TCT-104: Temporal Trends in Coronary Revascularization Procedures, Outcomes, and Costs: Results from the US Medicare Program<br>Jason W. Ryan et al
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TCT-105: Comparison of Outcomes Between Patients Undergoing Percutaneous Coronary Stent Implantation with Eptifibatide and Abciximab: An Analysis Using Propensity Score Methods
Jean-Pierre Dery et al

TCT-106: Outcomes and Complications with Off-Label Use of Drug-Eluting Stents: Results from the STENT-Registry
Bruce R. Brodie et al

TCT-107: Defective Insulin Signaling Induces A Relative Resistance to Rapamycin via Loss of mTOR Regulation of p27Kip1 Protein Levels
T. Cooper Woods et al

TCT-108: Increased Tissue Factor Expression after DES Implantation in Porcine Coronary Arteries May Contribute to Late Stent Thrombosis
Go Haraguchi et al

TCT-109: Influence of Metabolic Syndrome on Coronary Atherosclerosis. Angiographic Evaluation of 500 Patients with Stable and Unstable Angina
Stefano Galli et al

TCT-110: Non-Invasive Imaging of the Human Coronary Sinus and Its Relationship to Mitral Annulus and Coronary Arteries in Normal and Mitral Regurgitation Patients
Olivier Dubreuil et al

TCT-111: The Effect of Debubking Pre-Drug Eluting Stent for Bifurcated Coronary Lesions in Unprotected Left Main: Sub Analyses of PERFECT-Registry
Yui Oikawa et al

TCT-112: First-in-Man Experience with Foxhollow™ Coronary Plaque Excision Device for Treatment of Complex Coronary Bifurcation Lesions
R. Stefan Kiesz et al

TCT-113: Orbital Atherectomy for Percutaneous Treatment of Below the Knee Vascular Stenosis: Results of the OASIS Multicenter Study
Khusrow Niazi et al

TCT-114: Efficacy of Triple Antiplatelet Therapy for Diabetic Patients After Percutaneous Coronary Intervention
Yaling Han et al

TCT-115: Effect of Lipid Lowering Therapy on Progression of Intermediate Coronary Atherosclerotic Plaque Evaluated by Virtual Histology Intravascular Ultrasound
Kenya Nasu et al

TCT-116: Impact of Transfusion on 1-Year Ischemic Events and Mortality Among Patients with Acute Coronary Syndromes Undergoing Percutaneous Coronary Intervention
Steven V. Manoukian et al

TCT-117: Is N-acetylcysteine Effective for Prevention of Contrast-Induced Nephropathy?
Cezar S. Stanioae et al

TCT-118: Transarterial Percutaneous Aortic Valve (PAV) Insertion: Canadian Single Centre Experience
Sanjeevan Pasupati et al

TCT-119: Six-Month to One-Year Clinical Outcomes Following Retrograde Percutaneous Aortic Valve Replacement in High-Risk Patients: A Report from the REVIVAL-II Trial
Susheel Kodali et al

TCT-120: Transapical Aortic Valve Implantation in High-Risk Surgical Patients: Medium Term Results
Michael A. Borger et al

TCT-121: Six-Month Echo Assessment of Prosthetic Aortic Valve Function Following Transcatheter Aortic Valve Replacement: A Report from the REVIVAL-II Trial
Matthew Williams et al

TCT-122: Re-Dilation of Balloon Expandable Aortic Valves (BEAV): What do we Know?
Sanjeevan Pasupati et al

TCT-123: Significant Reverse Remodeling of the Left Ventricle One Year After Percutaneous Mitral Repair with the MitraClip™ Device
Michael Rinaldi et al

TCT-124: Percutaneous Treatment of Functional Mitral Regurgitation: Interim Evolution Study Results with the Monarc System
Karl-Heinz Kuck et al

TCT-125: Percutaneous Trans-Coronary-Valven Repair of Mitral Valve Using CARILLON™ Device. Initial Single-Center Experience
Tomasz Siminak et al

TCT-126: Long-Term Durability and Safety of Percutaneous Septal-Sinus Shortening
Jason Rogers et al

TCT-127: Percutaneous Reduction of Periprosthetic Leaks: A Promising Alternative to Repeat Surgery
Jeanrot Potvin et al

TCT-128: Indications, Description, and Results on Percutaneous Transcatheter Repairs of Mitral Paravalvular Regurgitations
Marcelino Cortés et al

TCT-129: Long-Term Follow-Up of Percutaneous Closure of Left Atrial Appendage
GianPaolo Ussia et al

TCT-130: PROTECT-I: A Prospective Feasibility Trial Investigating the Use of the IMPPELLER RECOVER® LP 2.5 System in High-Risk PCI Patients
William O’Neill et al

TCT-131: First-in-Man Use of the Reitan Catheter Pump (RCP) for Circulatory Support in Patients Undergoing High-Risk Percutaneous Coronary Intervention (PCI)
Martin T. Rothman et al

TCT-132: Safety and Feasibility of Percutaneous Autologous Skeletal Myoblast Transplantation for Ischemic Cardiomyopathy: 1-Year Results of the CAUSMIC Trial
Nabil Dib et al

TCT-133: Heart Failure Improvement After Autologous Bone Marrow Mononuclear Cells (abmmi) Transplantation
Jorge Turra-Mubarack et al

TCT-134: Treatment of Patients with Single Lesion in the Proximal Segment of Left Anterior Descending Artery Suffering from Chronic Stable Angina. Drug-Eluting Stents vs. Surgical Treatment with Left Internal Mammary Artery Grafting
Eleftherios Tsiamis et al

TCT-135: Comparison of Vascular Response to Zotarolimus-Eluting Stent vs. Paclitaxel-Eluting Stent Implantation: IVUS Results from the Zomaxx I Trial
Katsuhisa Waseda et al

TCT-136: Efficacy and Safety at 3 and 5 Years in the Canadian Multicenter, Randomized, Double-Blind Trial of the Sirolimus-Eluting Stent in the Treatment of Patients with De Novo Coronary Artery Lesions (C-SIRIUS)
Erick Schampaert et al

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  - Death or MI: 12%
  - Target Lesion Revascularization (TLR): 77%

- **p = NS**
- **p < 0.0001**

*Large vessels are defined as 3.17 mm to 3.5 mm. Based on pooled analysis from the RAVEL, SIRIUS, E-SIRIUS and C-SIRIUS Trials. These trials were not individually or collectively powered to assess differences in the rates for rare events, such as death, myocardial infarction (MI) or stent thrombosis.

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- **Definite**
  - Acute coronary syndrome AND
  - Angiographic confirmation of ST or occlusion OR
  - Pathologic confirmation of acute stent thrombosis
- **Probable**
  - Unexplained death within 30 days
  - Target vessel MI without angiographic confirmation of ST or other identified culprit lesion

The CYPHER® Stent is indicated for de novo lesions in coronary arteries with sizes between 2.5 mm and 3.5 mm.

Experience You Can Trust.

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Make your first intervention last™
Device Component Description:
The CYPHER® Sirolimus-eluting Coronary Stent (CYPHER® Stent) is a device/drug combination product comprised of two regulated components: a device (a BX VELOCITY® Coronary Stent System) and a drug product (a formulation of sirolimus in a polymer coating). The device component consists of a BX VELOCITY® Stent premounted on an all-polymer-based stent delivery system (SDS), either the RAPTOR™PTCA Dilatation Catheter (Over-the-Wire (OTW)) or the RAPTORRAIL® PTCA Dilatation Catheter (Rapid Exchange (RX)). The range of stent diameters is made possible by varying the number of circumferential “cells” on the stent. The 2.5, 2.75 and 3.0 mm diameter 316L stainless steel stents have six circumferential cells, whereas the 3.5 mm diameter 316L stainless steel stents have seven circumferential cells. The stent is crimped on various size delivery catheter balloons, which are sized from 2.5 to 3.5 mm.

Drug Component Description:
The active pharmaceutical ingredient in the CYPHER® Stent is sirolimus (also known as Rapamycin). Sirolimus is a macrocyclic lactone produced by Streptomyces hygroscopicus. The chemical name of sirolimus is (35,6R,7E,9R,10S,12S,14R,15S,17E,19E,21S,23S,26R,28R,34S)-9, 10, 12, 13, 14, 21, 22, 23, 24, 25, 26, 27, 32, 33, 34,34a-hexadecahydro-9,27-dihydropyrrolo[2,3-f][1,10]axaacyclohentriacontine-1,5,28,29,32,33,34,34a-hexadecahydro-9,27-dihydropyrrolo[2,3-f][1,10]azacyclohentriacontine-1,5,11,13,28,29 (4R,6H,31H)-pentone. Its molecular formula is C515H799NO3 and its molecular weight is 914.2.

The inactive ingredients in the CYPHER® Stent contain polyacryl C and the following two non-erodable polymers: polyethylene-co-vinyl acetate (PEVA) and poly n-butyl methacrylate (PBMA). A combination of the two polymers mixed with sirolimus (67%/33%) makes up the basecoat formulation which is applied to a polyacryl C treated stent. A drug-free topcoat solution of PBMA polymer is applied to the stent surface. The drug/polymer coating is adhered to the entire surface (i.e., luminal and abluminal) of the stent.

Indications:
The CYPHER® Stent is indicated for improving coronary luminal diameter in patients with symptomatic ischemic disease due to discrete de novo lesions of length ≤30 mm in native coronary arteries with a reference vessel diameter of ≥2.5 to ≤3.5 mm.

Contraindications:
Contraindication to the CYPHER® Stent is contraindicated in the following patient types:

- Patients with a hypersensitivity to sirolimus or its structurally related compounds.
- Patients with a known hypersensitivity to polyclorohydrates or polyeilin copolymers.
- Patients in whom antplatelet and/or anticoagulation therapy is contraindicated.
- Patients judged to have a lesion that prevents complete inflation of an angioplasty balloon or proper placement of the stent or delivery catheter.

Warnings:
Please ensure that the inner package has not been opened or damaged as this may indicate the sterile barrier has been breached.

- The use of the product carries the risks associated with coronary artery stenting, including subacute thrombosis, vascular complications, and embolization events.
- Patients with a known hypersensitivity to 316L stainless steel may suffer an allergic reaction to this implant.

Precautions - General Precautions:
- Only physicians who have received adequate training should perform implantation of the stent.
- Stent placement should only be performed at hospitals where emergency coronary artery bypass graft surgery can be readily performed.
- Subsequent stent blockage may require repeat dilation of the arterial segment containing the stent. The long-term outcome following repeat dilation of endothelialized stents is not well-characterized.
- Do not use Ethiodol or Lipiodol contrast media.
- Do not expose the delivery system to organic solvents, such as alcohol, or detergents.

Stent in pediatric patients below the age of 18 years have not been established.
- • Geriatric use: Clinical studies of the CYPHER® Stent did not find that patients age 65 years and over differed with regard to safety and efficacy compared to younger patients.
- • Non-Coronary use: The safety and effectiveness of this product has not been established in the cerebral, carotid, or peripheral vasculature.

Precautions – Lesion/Vessel Characteristics:
The safety and effectiveness of the CYPHER® Stent have not been established in the following patient populations:

- Patients with unresolved vessel thrombus at the lesion site.
- • Patients with coronary artery reference vessel diameter <2.5 mm or >3.5 mm.
- • Patients with lesions located in the saphenous vein graft, in the unprotected left main coronary artery, ostial lesions, or lesions located at a bifurcation.
- • Patients with diffuse disease or poor over distortion to the identified lesions.
- • Patients with a recent acute myocardial infarction where there is evidence of thrombus or poor flow.
- • Patients with more than two overlapping stents.
- • Patients for longer than 24 months follow-up.

Precautions - Drug Interactions:
Several drugs are known to affect the metabolism of sirolimus, and other drug interactions may be inferred from known metabolic effects. Sirolimus is known to be a substrate for both cytochrome P450 IIIA4 and IV, which are responsible for its metabolism. Therapeutic concentrations of sirolimus are usually obtained in transplant patients, but the magnitude and duration of any effect of those concentrations on lipids is not known.

Precautions - Magnetic Resonance Imaging (MRI):
Sirolimus, the active ingredient of the CYPHER® Stent, is a magnetic-susceptibility sensitive contrast agent that is also available in oral formulations. The mean peak systemic blood concentration of sirolimus following placement of up to two CYPHER® Stents (1.05 ng/ml) substantially lower than the therapeutic concentrations usually obtained when sirolimus oral formulations are used as prophylaxis for renal transplant rejection. In clinical studies of CYPHER® Stents when used according to its intended use, there were no reports of immune suppression. However, for patients who receive several CYPHER® Stents simultaneously, it may be possible for systemic concentrations of sirolimus to approach immuno-suppressive levels temporarily, especially in patients who also have hepatic insufficiency or who are taking drugs that inhibit CYP3A4 or P-glycoprotein. This possibility should be considered for such patients, particularly if they are also taking oral sirolimus (or rapamycin), other immunosuppressive agents, or are at risk for immune suppression.

Precautions - Post-Procedural Antithrombotic Therapy:
Ineligible: CYPHER® Stent, dipropyl ether or ticlopidine was administered pre-procedure and for a period of three months post-procedure. Aspirin was administered concurrently with dipropyl ether or ticlopidine and then continued indefinitely to reduce risk of thrombosis.

It is very important that the patient is compliant with the post-procedural antithrombotic recommendations. Early discontinuation of prescribed antithrombotic medication could result in a higher risk of thrombosis, myocardial infarction or death. Prior to Percutaneous Coronary Intervention (PCI), if a surgical or dental procedure is anticipated that requires early discontinuation of antithrombotic therapy, the interventionalist and patient should carefully consider whether a drug-eluting stent and its associated recommended antithrombotic therapy is the appropriate PCI treatment choice. Following PCI, should a surgical or dental procedure be recommended, the risks and benefits of the procedure should be weighed against the possible risk associated with early discontinuation of antithrombotic therapy.

Patients who require early discontinuation of antithrombotic therapy (e.g., secondary to active bleeding) should be monitored carefully for cardiac events. At the discretion of the patient’s treating physician, the antithrombotic therapy should be restarted as soon as possible.

Precautions - Use of Multiple Stents:
The extent of the patient’s exposure to drug and polymer is directly related to the number of stents implanted. Use of more than two CYPHER® Stents will result in the patient receiving larger amounts of drug and polymer than the experience reflected in the clinical studies.

To avoid the possibility of dissimilar metal corrosion, do not implant stents of different materials in tandem wherever overlap or contact is possible.

Several drugs are known to affect the metabolism of sirolimus, and their potential interactions of the stents of different materials in tandem where overlap or contact is possible. Potential interactions of the Stent, clopidogrel or ticlopidine should be considered before implanting a CYPHER® Stent. The sirolimus concentrations are expected to be several fold higher than systemic sirolimus concentrations. Therefore, consideration should be given to the possibility that the presence of a CYPHER® Stent may compromise the healing of coronary artery vascular anastomoses. No such event was observed in the very limited experience from clinical trials.

Precautions - Coronary Artery Surgery – Effect on Anastomoses:
There have been rare reports of bronchial anastomotic dehiscence of transplant anastomoses in long transplant patients who were receiving oral sirolimus therapy. In a vessel that has recently been implanted with a CYPHER® Stent, the sirolimus concentrations are expected to be several fold higher than systemic sirolimus concentrations. Therefore, consideration should be given to the possibility that the presence of a CYPHER® Stent may compromise the healing of coronary artery vascular anastomoses. No such event was observed in the very limited experience from clinical trials.

Precautions - Immune Suppression Potential:
Sirolimus, the active ingredient of the CYPHER® Stent, is an immunosuppressive agent that is also available in oral formulations. The mean peak systemic blood concentration of sirolimus following placement of up to two CYPHER® Stents (1.05 ng/ml) substantially lower than the therapeutic concentrations usually obtained when sirolimus oral formulations are used as prophylaxis for renal transplant rejection. In clinical studies of CYPHER® Stents when used according to its intended use, there were no reports of immune suppression. However, for patients who receive several CYPHER® Stents simultaneously, it may be possible for systemic concentrations of sirolimus to approach immuno-suppressive levels temporarily, especially in patients who also have hepatic insufficiency or who are taking drugs that inhibit CYP3A4 or P-glycoprotein. This possibility should be considered for such patients, particularly if they are also taking oral sirolimus (or rapamycin), other immunosuppressive agents, or are at risk for immune suppression.

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Precautions - Magnetic Resonance Imaging (MRI):
Through non-clinical testing, single and two overlapping CYPHER® Stents have been shown to be MRI safe at field strengths of 3 Tesla or less, and a maximum whole body averaged specific absorption rate (SAR) of 4.0 W/kg for 15 minutes of MRI. Single and two overlapping CYPHER® Stents should not migrate in this MRI environment. Non-clinical testing has not been performed to rule out the possibility of stent migration at field strengths higher than 3 Tesla.

In this testing, single CYPHER® Stents up to 33 mm in length produced a temperature rise of less than 1 degree Celsius (1°C), and two overlapping 33 mm length CYPHER® Stents produced a temperature rise of less than 2 degrees Celsius (2°C) at a maximum whole body averaged specific absorption rate (SAR) of 4.0 W/kg for 15 minutes of MRI. The effect of heating in the MRI environment for stents with fractured struts is not known. The effect of heating in the MRI environment on the drug or polymer coating is not known.

MR imaging quality may be compromised if the area of interest is in the exact same area or relatively close to the position of the stent.

Precaution – Preparation:
• AVOID manipulation of the stent during flushing of the guidewire lumen, as this may disrupt the placement of the stent on the balloon.
• Do NOT apply negative or positive pressure to the balloon during the delivery system preparation.

Precautions - Stent Handling:
• For single use only. Do not resterilize or reuse this product. Note the “Use By” date on the product label.
• Do not remove the stent from the delivery balloon – removal may damage the stent and coating and/or lead to stent embolization. The stent system is intended to perform as a system.
• Do not induce a vacuum on the delivery system prior to reaching the target lesion.
• Special care must be taken not to handle or in any way disrupt the stent on the balloon. This is most important while removing the catheter from the packaging, placing it over the guidewire, and advancing it through the large-bore rotating hemostatic valve and guiding catheter hub.
• Stent manipulation (e.g., rolling the mounted stent with your fingers) may cause coating damage, contamination or dislodgement of the stent from the delivery system balloon.
• Use only the appropriate balloon inflation media. Do not use air or any gaseous medium to inflate the balloon as this may cause uneven expansion and difficulty in deployment of the stent.

Precautions - Stent Placement:
• The vessel should be pre-dilated with an appropriately sized balloon.
• Do not prepare or pre-inflate the balloon prior to stent deployment other than as directed.
• Guiding catheters used must have lumen sizes that are suitable to accommodate the stent delivery system.
• Do not induce a negative pressure on the delivery catheter prior to placement of the stent across the lesion. This may cause premature dislodgement of the stent from the balloon.
• Although the stent delivery balloon catheter is strong enough to expand the stent without rupture, a circumferential tear of the carrier balloon distal to the stent and prior to complete expansion of the stent could cause the balloon to become tethered to the stent, requiring surgical removal. In case of rupture of the balloon, it should be withdrawn and, if necessary, a new balloon catheter exchanged over the guidewire to complete the expansion of the stent.
• Implanting a stent may lead to a dissection of the vessel distal and/or proximal to the stented portion and may cause acute closure of the vessel requiring additional intervention (CABG, further dilatation, placement of additional stents, or other intervention).
• Do not expand the stent if it is not properly positioned in the vessel.
• Placement of the stent has the potential to compromise side branch patency.
• When treating multiple lesions, the distal lesion should be initially stented, followed by stenting of the more proximal lesion(s). Stenting in this order minimizes the need to cross the proximal stent in the placement of the distal stent and may reduce the chances of dislodging the proximal stent, or disrupting stent coating.
• Balloon pressures should be monitored during inflation.
• Do not exceed rated burst pressure as indicated on the product label. Use of pressures higher than those specified on the product label may result in a ruptured balloon with possible intimal damage and dissection.
• Do not attempt to pull an unfolded stent back through the guiding catheter, as dislodgement of the stent from the balloon may occur.
• Stent retrieval methods (use of additional wires, snare and/or forceps) may result in additional trauma to the coronary vasculature and/or the vascular access site.
• Complications may include bleeding, hematoma, or pseudoaneurysm.
• Ensure full coverage of the entire lesion/dissection site so that there are no gaps between stents.

Precautions - Stent/System Removal:
Should unusual resistance be felt at any time during either lesion access or removal of the stent delivery system before stent implantation, the entire system should be removed as a single unit.

When removing the delivery system as a single unit:
• Do not retract the delivery system into the guiding catheter.
• Advance the guidewire into the coronary anatomy as far distally as safely possible.
• Tighten the rotating hemostatic valve to secure the stent delivery system to the guiding catheter; then remove the guiding catheter and stent delivery system as a single unit.

Failure to follow these steps or applying excessive force to the stent delivery system can potentially result in loss or damage to the stent or stent delivery system.

If it is necessary to retain the guidewire in position for subsequent artery/lesion access, leave the guidewire in place and remove all other system components.

Precautions – Post-Procedure:
• Great care must be exercised when crossing a newly deployed stent with an intravascular ultrasound (IVUS) catheter; a coronary guidewire or balloon catheter to avoid disrupting the stent placement, apposition, geometry, and/or coating.
• Through non-clinical testing, single and two overlapping CYPHER® Stents have been shown to be MRI safe at field strengths of 3 Tesla or less. MR imaging quality may be compromised if the area of interest is in the exact same area or relatively close to the position of the stent.
• In the pivotal clinical trial of the CYPHER® Stent, clopidogrel or ticlopidine was administered pre-procedure and for a period of three months post-procedure. Aspirin was administered concomitantly with clopidogrel or ticlopidine and then continued indefinitely to reduce the risk of thrombosis.
• Patients who require early discontinuation of antplatelet therapy (e.g. secondary to active bleeding) should be monitored carefully for cardiac events. At the discretion of the patient’s treating physician, the antplatelet therapy should be restarted as soon as possible.

Drug Information
Mechanism of Action:
The mechanism (or mechanisms) by which a CYPHER® Stent affects neointima production as seen in clinical studies has not been established. Sirolimus inhibits T-lymphocyte activation and smooth muscle and endothelial cell proliferation in response to cytokine and growth factor stimulation. In cells, sirolimus binds to the immunophilin, FK binding protein-12 (FKBP-12). The sirolimus-FKBP-12 complex binds to and inhibits the activation of the mammalian Target of Rapamycin (mTOR), leading to inhibition of cell cycle progression from the G1 to the S phase.

Pharmacokinetics of the CYPHER® Stent:
The pharmacokinetics of sirolimus as delivered by the CYPHER® Stent has been determined in patients with coronary artery disease after implantation of one (n=10) or two (n=9) CYPHER® Stents.
SPIRIT IV
• U.S. clinical trial
• Currently enrolling patients and selecting investigators

SPIRIT V
• International clinical trial
• Currently enrolling patients

SPIRIT WOMEN
• International clinical trial
• Currently enrolling patients and selecting investigators

The XIENCE™ V SPIRIT Family of Trials
Visionary Science

Learn more about our clinical activities at booth #3047, Halls D & E

CAUTION: XIENCE™ V is an investigational device. Limited by Federal (U.S.) law to investigational use only.

AP2926175A
Thrombectomy Catheter System

ThromCat™

US Indication: The ThromCat™ System is indicated for mechanical removal of thrombus in synthetic hemodialysis access grafts and native vessel dialysis fistulae.

EU Indication: The ThromCat™ System is indicated for use for percutaneous transluminal thrombus removal in native coronary arteries and infrainguinal arteries.

Mechanical Thrombectomy Made Simple

- Quick and Easy Set-up
- Excellent Deliverability
- One Button Control
- Completely Disposable

To find out more about Kensey Nash products, visit us at TCT 2007 Booth #6091

US Indication: The ThromCat™ System is indicated for mechanical removal of thrombus in synthetic hemodialysis access grafts and native vessel dialysis fistulae.

EU Indication: The ThromCat™ System is indicated for use for percutaneous transluminal thrombus removal in native coronary arteries and infrainguinal arteries.
SPIRIT IV (U.S.), SPIRIT V (International), XIENCE™ V SPIRIT WOMEN (International) are currently enrolling patients. SPIRIT IV and XIENCE™ V SPIRIT WOMEN are also selecting investigators. For more information, please visit booth #3047, Halls D & E

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