

# CRT 2007 CORONARY

Cardiovascular Revascularization Therapies 2007



13 Concurrent Scientific Meetings

Complex Coronary Interventions

Emerging Devices & Innovative Therapies

ACS & AMI Management

CTO Forum

Drug Eluting Stents In-Depth

March 7 - 9, 2007

Omni Shoreham Hotel  
Washington, DC

[www.CRTonline.org](http://www.CRTonline.org)

Presented by the Cardiovascular Research Institute  
at Washington Hospital Center



Washington  
Hospital Center  
MedStar Health



AMERICAN  
COLLEGE of  
CARDIOLOGY  
FOUNDATION





THE CLEVELAND CLINIC



## Course Chairman:

**Ron Waksman, MD**  
Washington Hospital Center  
Washington, DC

## Course Directors:

**Steven R. Bailey, MD**  
University of Texas Health  
Science Center at San Antonio  
San Antonio, TX

**Gregory A. Braden, MD**  
Braden Consulting  
Winston-Salem, NC

**Kenneth M. Kent, MD**  
Washington Cardiology Center  
Washington, DC

**Augusto D. Pichard, MD**  
Washington Cardiology Center  
Washington, DC

**Jeffrey J. Popma, MD**  
Brigham and Women's  
Hospital  
Boston, MA

**Shigeru Saito, MD**  
Shonan Kamakura  
General Hospital  
Kamakura, JAPAN

**Lowell F. Satler, MD**  
Washington Cardiology Center  
Washington, DC

**Charles A. Simonton, MD**  
The Sanger Clinic  
Charlotte, NC

**Patrick L. Whitlow, MD**  
The Cleveland Clinic  
Foundation  
Cleveland, OH

**William Wijns, MD**  
O.L.V. Hospital  
Cardiovascular Center  
Aalst, BELGIUM

**Alan C. Yeung, MD**  
Stanford University  
Medical Center  
Stanford, CA

## Course Co-Directors:

**Peter B. Berger, MD**  
Geisinger Center for  
Health Research  
Danville, PA

**C. Michael Gibson, MD**  
Beth Israel Deaconess  
Medical Center  
Boston, MA

**Neal S. Kleiman, MD**  
The Methodist DeBakey  
Heart Center  
Houston, TX

## Invited Faculty:

**Alexandre Abizaid, MD, PhD**  
Institute Dante Pazzanese  
de Cardiologia  
Sao Paulo, BRAZIL

**Ashley B. Boam, MSBE**  
U.S. Food & Drug  
Administration  
Rockville, MD

**Howard A. Cohen, MD**  
Lenox Hill Hospital  
New York, NY

**Yaron Almagor, MD**  
Shaare Zedek Medical Center  
Jerusalem, ISRAEL

**Raoul Bonan, MD**  
Montreal Heart Institute  
Montreal, CANADA

**Sidney A. Cohen, MD, PhD**  
Cordis Corporation  
Warren, NJ

**Donald S. Baim, MD**  
Boston Scientific Corporation  
Natick, MA

**J.J.R.M. (Hans) Bonnier, MD**  
Catharina Hospital  
Eindhoven, THE NETHERLANDS

**Antonio Colombo, MD**  
San Raffaele Hospital  
Milan, ITALY

**Eric R. Bates, MD**  
The University of Michigan  
Medical Center  
Ann Arbor, MI

**Steven W. Boyce, MD**  
Washington Hospital Center  
Washington, DC

**Paul J. Corso, MD**  
Washington Hospital Center  
Washington, DC

**Daniel Berrocal, MD**  
Hospital Italiano de  
Buenos Aires  
Buenos Aires, ARGENTINA

**Ashesh N. Buch, MD**  
Washington Hospital Center  
Washington, DC

**Costantino Costantini, MD, PhD**  
Clinica Cardiologica  
Curitiba, BRAZIL

**Deepak Bhatt, MD**  
The Cleveland Clinic  
Foundation  
Cleveland, OH

**Maurice Buchbinder, MD**  
Scripps Memorial Hospital  
La Jolla, CA

**Michael J. Cowley, MD**  
Medical College of Virginia  
Richmond, VA

**Giancarlo Biamino, MD**  
Heart Center Leipzig  
Leipzig, GERMANY

**John M. Capek, PhD**  
Abbott Vascular  
Santa Clara, CA

**David A. Cox, MD**  
Lehigh Valley Hospital  
Bethlehem, PA

**Peter S. Block, MD**  
Emory University Hospital  
Atlanta, GA

**Andrew J. Carter, DO**  
Borgess Medical Device  
Research Laboratory  
Portage, MI

**John S. Douglas, Jr., MD**  
Emory University  
School of Medicine  
Atlanta, GA

**Jean Fajadet, MD**  
Clinique Pasteur  
Toulouse, FRANCE

**Robert Falotico, PhD**  
Cordis Corporation  
Warren, NJ

**Ted E. Feldman, MD**  
Evanston Hospital  
Evanston, IL

**Robert A. Gallino, MD**  
Cardiology Associates, PC  
Washington, DC

**Gary Gershony, MD**  
John Muir Medical Center  
Piedmont, CA

**Eberhard Grube, MD**  
Heart Center Siegburg  
Siegburg, GERMANY

**Martial Hamon, MD**  
Centre Hospitalier  
Universitaire, Caen  
Caen, FRANCE

**Howard C. Herrmann, MD**  
Hospital of the University  
of Pennsylvania  
Philadelphia, PA

**Richard R. Heuser, MD**  
University of Arizona  
College of Medicine  
Phoenix, AZ

**John McB. Hodgson, MD**  
St. Joseph's Hospital &  
Medical Center  
Phoenix, AZ

**David R. Holmes, Jr., MD**  
Mayo Clinic  
Rochester, MN

**Aamir Javaid, MD**  
Washington Hospital Center  
Washington, DC

**David Kandzari, MD**  
Cordis Corporation  
Warren, NJ

**Aaron V. Kaplan, MD**  
Dartmouth-Hitchcock  
Medical Center  
Lebanon, NH

**Osamu Katoh, MD**  
Toyohashi Heart Center  
Toyohashi, JAPAN

**Spencer B. King, III, MD**  
The Fuqua Heart Center  
at Piedmont Hospital  
Atlanta, GA

**Tian-Hai Koh, MD**  
National Heart Center  
Mistri Wing, SINGAPORE

**Jacques Koolen, MD**  
Catharina Hospital  
Eindhoven, THE NETHERLANDS

**Ran Kornowski, MD**  
Rabin Medical Center  
Petach-Tikva, ISRAEL

**Michael J. Kutryk, MD, PhD**  
St. Michael's Hospital  
Toronto, CANADA

**John R. Laird, Jr., MD**  
University of California, Davis  
Sacramento, CA

**Robert J. Lederman, MD**  
National Heart, Lung,  
and Blood Institute  
Bethesda, MD

**Martin B. Leon, MD**  
Cardiovascular Research  
Foundation  
New York, NY

**Frank Litvack, MD**  
Conor Medsystems, Inc.  
Menlo Park, CA

**Ayman A. Magd, MD, PhD**  
Azhar University  
Cairo, EGYPT

**Laura Mauri, MD**  
Brigham and Women's  
Hospital  
Boston, MA

**Shamir R. Mehta, MD**  
Hamilton Health Sciences  
Hamilton, CANADA

**Bernhard Meier, MD**  
Bern University Hospital  
Bern, SWITZERLAND

**Erich Minar, MD**  
Medical University Vienna,  
Angiology  
Vienna, AUSTRIA

**Gary S. Mintz, MD**  
Cardiovascular Research  
Foundation  
New York, NY

**Jeffrey Moses, MD**  
Columbia University New York  
Presbyterian  
New York, NY

**Seung-Jung Park, MD**  
Asan Medical Center  
Cardiac Center  
Seoul, KOREA

**Wesley R. Pedersen, MD**  
Minneapolis Heart Institute  
Minneapolis, MN

**Ramon Quesada, MD**  
Baptist Cardiac & Vascular  
Institute  
Miami, FL

**Nicolaus J. Reifart, MD**  
Kardiologisches Institut  
Bad Soden, Hessen  
GERMANY

**Evelyn Regar, MD**  
Thoraxcenter  
Rotterdam, THE NETHERLANDS

**Keith A. Robinson, PhD**  
American Cardiovascular  
Research Institute  
Norcross, GA

**Alfredo Rodriguez, MD, PhD**  
Sanatorio Otamendi  
Buenos Aires, ARGENTINA

**Campbell D.K. Rogers, MD**  
Cordis Corporation  
Warren, NJ

**Probal Roy, MD**  
Washington Hospital Center  
Washington, DC

**Carlos E. Ruiz, MD, PhD**  
Lenox Hill Heart and Vascular  
Institute  
New York, NY

**Robert K. Schultz, PhD**  
REVA Medical, Inc.  
San Diego, CA

**Lewis B. Schwartz, MD**  
Abbott Vascular Devices  
Abbott Park, IL

**Robert S. Schwartz, MD**  
Minnesota Cardiovascular  
Research Institute  
Minneapolis, MN

**Stuart F. Seides, MD**  
Cardiology Associates, PC  
Washington, DC

**Patrick W. Serruys, MD, PhD**  
Thoraxcenter  
Rotterdam, THE NETHERLANDS

**Samin Sharma, MD**  
Mount Sinai Medical Center  
New York, NY

**John E. Shulze, MBA**  
Biosensors International  
Newport Beach, CA

**Horst Sievert, MD**  
CardioVascular Center  
Frankfurt  
Frankfurt, GERMANY

**Sigmund Silber, MD**  
Cardiology Practice  
and Hospital  
Munich, GERMANY

**Michael C. Slack, MD**  
Children's National  
Medical Center  
Washington, DC

**Ronald J. Solar, PhD**  
Thermopeutix, Inc  
San Diego, CA

**Peter H. Stone, MD**  
Brigham and Women's  
Hospital  
Boston, MA

**Bradley H. Strauss, MD, PhD**  
Sunnybrook Health Sciences  
Center  
Toronto, CANADA

**William O. Suddath, MD**  
Washington Cardiology  
Center  
Washington, DC

**On Topaz, MD**  
McGuire Veterans Affairs  
Medical Center  
Richmond, VA

**Etsuo Tsuchikane, MD, PhD**  
Toyohashi Heart Center  
Aichi, JAPAN

**Renu Virmani, MD**  
CVPath, International  
Registry of Pathology  
Gaithersburg, MD

**John G. Webb, MD**  
St. Paul's Hospital  
Vancouver, CANADA

**Rick Wise**  
Bear Stearns  
New York, NY

**Josiah N. Wilcox, PhD**  
Medtronic Vascular  
Santa Rosa, CA

**David O. Williams, MD**  
Rhode Island Hospital  
Providence, RI

**Bram D. Zuckerman, MD**  
U.S. Food & Drug  
Administration  
Rockville, MD

# Complex Coronary Interventions: Wednesday, March 7, 2007

**Complex Coronary Interventions** will focus on the hottest issues in interventional cardiology. This year, we will feature a dynamic presentation of late breaking trials. On day one, the course will focus on new techniques for the utilization of drug eluting stents including a summary of the "head to head" clinical trials. On day two, the course will focus on guidelines to acute coronary syndrome and interventional devices beyond coronary intervention for ASD closure and percutaneous valve interventions.

**Who should attend?** Interventional cardiologists, fellows, radiologists, nurses, technologists, industry professionals, analysts, and other healthcare professionals who have an interest in the field of interventional cardiology

**Course Directors:** Kenneth M. Kent, MD, Augusto D. Pichard, MD, Jeffrey J. Popma, MD, Lowell F. Satler, MD, Ron Waksman, MD & Patrick L. Whitlow, MD

7:25 am	Welcome and Introduction <i>Ron Waksman, MD</i>	12:30 pm	Lunch
Moderators:	<i>Ron Waksman, MD, Patrick L. Whitlow, MD, &amp; William Wijns, MD</i>	Moderators:	<i>Michael J. Cowley, MD, Eberhard Grube, MD &amp; Ron Waksman, MD</i>
7:30 am	<b>Live Case Demonstrations from Washington Hospital Center, Washington, DC</b> <i>Kenneth M. Kent, MD Augusto D. Pichard, MD Lowell F. Satler, MD William O. Suddath, MD</i>	1:30 pm	Who Should Not Get DES in 2007 <i>Michael J. Cowley, MD</i>
<b>ACC @ CRT</b>		1:45 pm	Mechanisms of Stent Thrombosis: Pathology Reports from Autopsies <i>Renu Virmani, MD</i>
8:00 am	Late-breaking Clinical Trials: A Preview to i2 Summit 2007 <i>Michael J. Cowley, MD</i>	2:00 pm	Stent Thrombosis: The Clinical Problem <i>Ron Waksman, MD</i>
<b>EuroPCR @ CRT</b>		2:15 pm	<b>Debate: Cypher vs. Taxus</b>
8:15 am	<b>Live Case Demonstration from Thoraxcenter, Rotterdam, The Netherlands</b> <i>Patrick W. Serruys, MD, PhD</i>		Cypher is Better in Complex Lesions <i>David Kandzari, MD</i>
9:20 am	<b>Live Case Demonstration from San Raffaele Hospital, Milan, Italy</b> <i>Antonio Colombo, MD</i>		No Differences Between Cypher and Taxus: It's All About Cherry Picking <i>Donald S. Baim, MD</i>
10:20 am	The Top Ten Events in Interventional Cardiology in 2006 <i>William Wijns, MD</i>	2:45 pm	How Accurate Are Late Loss Indices to Correlate Efficacy and Safety of DES? <i>Laura Mauri, MD</i>
10:35 am	Break	3:00 pm	Break
<b>Bifurcation Workshop</b>		3:15 pm	<b>Live Case Demonstrations from Washington Hospital Center, Washington, DC</b> <i>Kenneth M. Kent, MD Augusto D. Pichard, MD Lowell F. Satler, MD William O. Suddath, MD</i>
Moderators:	<i>Maurice Buchbinder, MD &amp; Patrick L. Whitlow, MD</i>	4:00 pm	DES for LM: The Korean Experience <i>Seung-Jung Park, MD</i>
10:50 am	Crush Technique <i>Samin Sharma, MD</i>	4:15 pm	DES for LM: The European Experience <i>Eberhard Grube, MD</i>
11:05 am	Provisional Stenting: Can FFR Help? <i>William Wijns, MD</i>	4:30 pm	Adjourn
11:20 am	Stent Kissing Stent <i>Samin Sharma, MD</i>		
11:35 am	<b>Live Case Demonstrations from Washington Hospital Center, Washington, DC</b> <i>Kenneth M. Kent, MD Augusto D. Pichard, MD Lowell F. Satler, MD William O. Suddath, MD</i>		

# Complex Coronary Interventions: Thursday, March 8, 2007

Moderators: *Maurice Buchbinder, MD & Charles A. Simonton, MD*

8:00 am **Live Case Demonstrations from Washington Hospital Center, Washington, DC**  
*Kenneth M. Kent, MD*  
*Augusto D. Pichard, MD*  
*Lowell F. Sattler, MD*  
*William O. Suddath, MD*

9:00 am Is There a Role for Vessel Preparation in the DES Era?  
*Charles A. Simonton, MD*

9:15 am Should all Diabetic Patients be Referred to Surgery?  
*Spencer B. King, III, MD*

9:30 am Discussion:  
Can We Optimize the PCI and Reduce Complications of DES?  
*Alexandre Abizaid, MD, PhD*  
*Spencer B. King, III, MD*  
*Charles A. Simonton, MD*  
*Ron Waksman, MD*  
*Alan C. Yeung, MD*

9:45 am Break

10:05 am **Live Case Demonstrations from Clinique Pasteur, Toulouse, France**  
*Jean Fajadet, MD*

## SOLACI @ CRT

Moderators: *Alexandre Abizaid, MD, PhD & Alfredo Rodriguez, MD, PhD*

11:00 am Late-breaking Clinical Trials from South America  
*Alexandre Abizaid, MD, PhD*

11:15 am ERACI III: DES in Multiple Vessels vs. Surgery  
*Alfredo Rodriguez, MD, PhD*

11:30 am ACS Management in Latin America  
*Daniel Berrocal, MD*

11:45 am Interesting Cases from Contemporary Practice in South America  
*Constantino Costantini, MD, PhD*

12:00 pm Lunch

## Chronic Total Occlusion Club

Moderators: *Tian-Hai Koh, MD & Patrick L. Whitlow, MD*

1:00 pm Antegrade to Retrograde: An Evolving Technique  
*Richard R. Heuser, MD*

1:15 pm CTO: Wire Based Technology  
*Gregory A. Braden, MD*

1:30 pm CTO: Device Technology  
*Patrick L. Whitlow, MD*

1:45 pm CTO: Interesting Cases  
*Tian-Hai Koh, MD*

Moderators: *Maurice Buchbinder, MD & John S. Douglas, Jr., MD*

2:00 pm Update on SVG Management  
*John S. Douglas, Jr., MD*

2:15 pm The Radial Approach: Rational Techniques and Experience  
*Martial Hamon, MD*

2:30 pm **Live Case Demonstrations from Washington Hospital Center, Washington, DC**  
*Augusto D. Pichard, MD*  
*Lowell F. Sattler, MD*  
*William O. Suddath, MD*  
*Ron Waksman, MD*

3:15 pm Break

3:30 pm High Risk PCI: What Lessons Have We Learned?  
*Ron Waksman, MD*

3:45 pm Percutaneous Valve Repair and Replacement  
*Patrick L. Whitlow, MD*

4:00 pm Update on PFO Closures  
*Horst Sievert, MD*

4:15 pm Alcohol Septal Ablations: Tips and Tricks  
*Kenneth M. Kent, MD*

4:30 pm CTO Recanalization: Core Concepts  
*Osamu Kato, MD*

4:45 pm My Worst Complications  
*Vinjay K. Bahl, MD*  
*John S. Douglas, Jr., MD*  
*Kenneth M. Kent, MD*  
*Horst Sievert, MD*

5:15 pm Adjourn

# Emerging Devices & Innovative Therapies

**Emerging Devices & Innovative Therapies** will present new technologies first-hand from the inventors, engineers, and the principal investigators. The course will cover a variety of novel devices, currently not approved for marketing in the United States. A panel of experts will review the potential of these devices and imaging technologies to be used in the daily practice of cardiovascular intervention.

**Who should attend?** Interventional cardiologists, industry professionals, analysts, fellows, nurses, technologists, and other healthcare professionals who have an interest in the field of interventional cardiology.

**Course Directors:** Steven R. Bailey, MD & Ron Waksman, MD

**\* No continuing education credit will be awarded for this session**

7:55 am	Welcome and Introduction	10:15 am	Nanotechnology and The Nitinol Aortic Valve <i>Steven R. Bailey, MD</i>
Moderators:	<i>Ran Kornowski, MD &amp; Alan C. Yeung, MD</i>		
<b>Imaging</b>			
8:00 am	New Imaging Guidance Technologies <i>Ran Kornowski, MD</i>	10:25 am	Elast Eon-AorTech AVR <i>Carlos E. Ruiz, MD, PhD</i>
8:15 am	Next Generation IVUS <i>Gary S. Mintz, MD</i>	10:35 am	The Self Expanding and Repositioning Sadra Technology <i>Donald S. Baim, MD</i>
8:30 am	Imaging Devices for Plaque Characterization <i>Evelyn Regar, MD</i>	10:45 am	External Radiation as Adjunct Therapy for Aortic Valvuloplasty <i>Wesley R. Pedersen, MD</i>
8:45 am	Robotic Catheterization and Navigation in the Cath Lab <i>Ron Waksman, MD</i>	11:00 am	Edge-to-Edge Evalve Updates from the EVEREST Trials <i>Peter S. Block, MD</i>
<b>Innovation in Percutaneous Valvular Intervention</b>			
Moderators:	<i>Steven R. Bailey, MD, Raoul Bonan, MD, Ted E. Feldman, MD &amp; Carlos E. Ruiz, MD, PhD</i>	11:10 am	Edwards' MOBIUS Leaflet Repair System <i>Maurice Buchbinder, MD</i>
9:00 am	<b>Keynote Lecture:</b> A Unique Perspective on Percutaneous Valve Treatment: A Two Decade Odyssey from Balloons to Stent-Valves <i>Carlos E. Ruiz, MD, PhD</i>	11:20 am	Coronary Sinus Annuloplasty Devices <i>Raoul Bonan, MD</i>
		11:30 am	Mitralign Suture-based Plication Annuloplasty <i>Ted E. Feldman, MD</i>
		11:40 am	Myocor Coapsys System for Ventricular Remodeling with Annulus Reduction <i>Wesley R. Pedersen, MD</i>
<b>Latest Design Development and Snapshots from the Clinical Trials</b>			
9:30 am	Cribier-Edwards Percutaneous Aortic Valve <i>John G. Webb, MD</i>	11:50 am	Micardia: A Magnetic Alloy Enabled Customized Annuloplasty System <i>Maurice Buchbinder, MD</i>
9:45 am	CoreValve <i>Eberhard Grube, MD</i>	12:00 pm	The RF Approach to Treating Mitral Regurgitation: The T QuantumCor System <i>Richard R. Heuser, MD</i>
10:00 am	Break	12:10 pm	Percutaneous Mitral Replacement: Is It Feasible? <i>Howard C. Herrmann, MD</i>

12:20 pm Femoral Aortic Implants  
*John G. Webb, MD*

12:30 pm **Lunch with the Wall Street Analysts,  
Industry and FDA**

Panelists:  
*Robert Falotico, PhD*  
*Ron Waksman, MD*  
*Rick Wise*  
*Bram D. Zuckerman, MD*

3:35 pm The Israeli Parade of New Innovations for  
Interventional Cardiology I  
*Ran Kornowski, MD*

3:50 pm The Israeli Parade of New Innovations for  
Interventional Cardiology II  
*Yaron Almagor, MD*

4:05 pm Scoring Balloon  
*Gary Gershony, MD*

4:20 pm Adjourn

**Bifurcation Solutions**

Moderators: *John G. Webb, MD & Alan C. Yeung, MD*

1:30 pm The Boston Scientific Petal Stent  
*Maurice Buchbinder, MD*

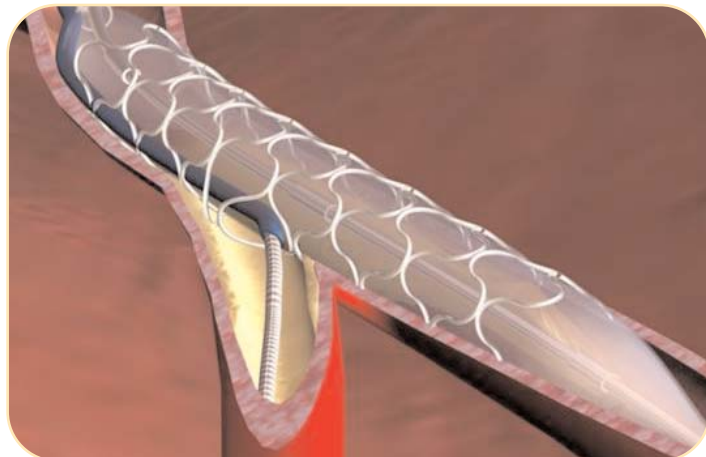
1:40 pm The Guidant/Abbott Frontier Stent  
*David A. Cox, MD*

1:50 pm The Devax AXXESS and AXXESS PLUS Stent  
*Eberhard Grube, MD*

2:00 pm The Tryton Side-branch Stent  
*Aaron V. Kaplan, MD*

2:10 pm The Cappella Sideguard Bifurcation Stent  
*Eberhard Grube, MD*

2:20 pm The Y-med SideKick Stent  
*Ronald J. Solar, PhD*



**Innovations for Structural Heart Disease**

2:30 pm AGA Devices: PFO, PDA, ASD, Vascular Plug,  
and Muscular VSD  
*Howard C. Herrmann, MD*

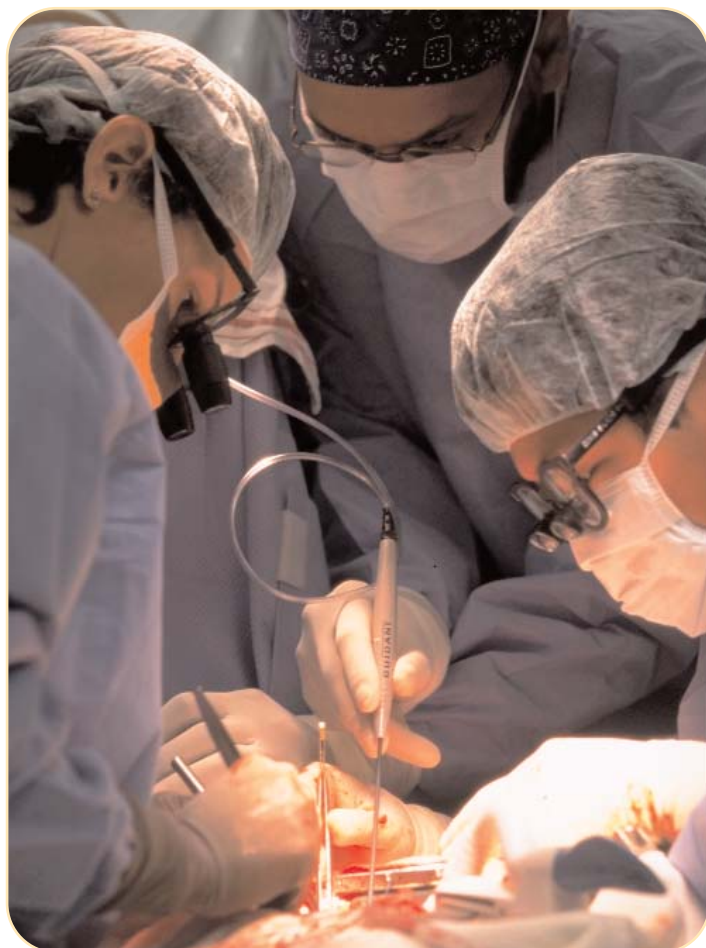
2:40 pm Design Update of NMT for PFO Closure  
*Ramon Quesada, MD*

2:50 pm St. Jude Premere PFO Closure System  
*Michael C. Slack, MD*

3:00 pm Cierra PFX System  
*Ted E. Feldman, MD*

3:10 pm New Devices for Stroke Prevention:  
Atrial Appendage Closure  
*Horst Sievert, MD*

3:20 pm Break



# ACS & AMI Management

**ACS & AMI Management** will be dedicated to the management of acute coronary syndrome and acute myocardial infarction in the ER, Cath Lab, and the CCU. This will include in-depth discussion of the latest guidelines for the treatment of STEMI and NSTEMI, review of the latest trials in the field and presentations of the latest pharmacology agents and devices used for the treatment of ACS and AMI. The symposium will also include sessions on thrombus management, treatment of patients with cardiogenic shock, a review of interesting cases with audience interaction, and a futuristic session on myocardial generation with cell therapy for patients undergoing acute myocardial infarction.

**Who should attend?** General cardiologists, ER specialists, interventional cardiologists, intensive care specialists, primary care physicians, nurses, fellows, industry professionals and other healthcare professionals.

**Course Director:** Ron Waksman, MD

**Course Co-Directors:** Peter B. Berger, MD, C. Michael Gibson, MD & Neal S. Kleiman, MD

7:55 am Welcome and Introduction

## Optimizing Management of Acute Coronary Syndromes

Moderators: *Peter B. Berger, MD & Neal S. Kleiman, MD*

8:00 am Controversies in ESC and ACC/AHA Guidelines  
*Sigmund Silber, MD*

8:15 am ISAR REACT 2: Abciximab in Patients with ACS Undergoing PCI  
*Peter B. Berger, MD*

8:30 am Evolving Utility of Aspirin and Thienopyridines: New Insights into Anti-platelet Resistance and Future Directions  
*Neal S. Kleiman, MD*

8:45 am ACUITY: Bivalirudin in ACS and Acute MI  
*Steven V. Manoukian, MD*

9:00 am OASIS 5 and OASIS 6: Fondaparinux in ACS and AMI - The PCI subsets  
*Ron Waksman, MD*

9:15 am Low-Molecular Weight Heparins in ACS: New Insights from SYNERGY, STEEPLE and EXTRACT  
*Neal S. Kleiman, MD*

9:30 am Glycoprotein IIb/IIIa Inhibitors in PCI and ACS: How Early Should We Give Them?  
*C. Michael Gibson, MD*

9:45 am Is There a Role for Long Term Use of Clopidogrel for Primary and Secondary Prevention After CHARISMA?  
*Deepak Bhatt, MD*

10:00 am Break

10:15 am Will the New Antiplatelet Agents in the Pipeline Replace Clopidogrel?  
*Peter B. Berger, MD*

10:30 am Clopidogrel Dosing and Timing in PCI and ACS: Loading and Chronic Therapy  
*Deepak Bhatt, MD*

10:45 am Insights to the Latest TIMI Trials  
*C. Michael Gibson, MD*

11:00 am Panel Discussion  
What Should be the Upstream Therapy in ACS: Bivalirudin, Low Molecular Heparin, Fondaparinux, IIb/IIIa?  
Moderator:  
*Deepak Bhatt, MD*  
Panelists:  
*David A. Cox, MD*  
*Peter B. Berger, MD*  
*C. Michael Gibson, MD*  
*Neal S. Kleiman, MD*



## Managing Acute MI I

Moderators: *Eric R. Bates, MD & C. Michael Gibson, MD*

- 11:15 am How Are We Doing with Minimizing Door-to-Balloon Time?  
*Eric R. Bates, MD*
- 11:30 am Who Should Get Lytic Therapy Prior to PCI?  
*C. Michael Gibson, MD*
- 11:45 am Debate:  
Superior Strategies for AMI Management:  
No Need for Facilitated Pharmacology  
Pro: *David A. Cox, MD*  
Con: *Deepak Bhatt, MD*
- 12:15 pm Discussion  
*Eric R. Bates, MD*  
*Peter B. Berger, MD*  
*Neal S. Kleiman, MD*  
*Ron Waksman, MD*

12:30 pm Lunch

## Managing Acute MI II

Moderators: *Andrew Farb, MD & Jacques Koolen, MD*

- 1:30 pm Status of Primary PCI in the US:  
Lessons from NRM1  
*Eric R. Bates, MD*
- 1:45 pm Approaches to Shorten Door-to-Balloon Time: Eindhoven Ambulance Triage Program  
*Jacques Koolen, MD*

## Thrombus Management

- 2:00 pm How Often Should Thrombectomy Devices Be Used During Primary Angioplasty?  
*Richard E. Kuntz, MD*
- 2:15 pm Aspiration Devices are Helpful in Thrombus Management in Acute MI  
*David A. Cox, MD*
- 2:30 pm Use of Laser in Rescue AMI  
*Robert A. Gallino, MD*
- 2:45 pm Drug Eluting Stents in AMI: A Proven Strategy?  
*Sigmund Silber, MD*
- 3:00 pm New Strategies and Devices to Manage Cardiogenic Shock  
*Howard A. Cohen, MD*
- 3:15 pm Ventricular Assist Devices for Chronic Heart Failure: Destination and Bridge to Recovery  
*Steven W. Boyce, MD*

- 3:30 pm Passive Ventricular Constraint and Surgical Ventricular Reconstruction  
*Paul J. Corso, MD*

## Myocardial Preservation and Regeneration Post MI

- 3:45 pm Myocardial Preservation Techniques  
*David A. Cox, MD*
- 4:00 pm Ranolazine: Inhibition of the Late Sodium Channel for Chronic Angina  
*Peter H. Stone, MD*
- 4:15 pm Cell Therapy for Myocardial Regeneration  
*Ron Waksman, MD*
- 4:30 pm Adjourn



A forum of experts will review practical techniques on how to safely and effectively canalize a **Chronic Total Occlusion**. The symposium will include an in-depth review of different wires and devices, and will illustrate techniques and strategies to improve their success rate. The forum will include case demonstrations of patients with total occlusion in coronary and peripheral arteries, sessions on how to deal with perforations and other complications as well as alternative therapies for patients who have had a failed procedure.

**Who should attend?** Interventional cardiologists, fellows, nurses, technologists, engineers, industry professionals, and other healthcare professionals interested in how to conquer the next frontier in interventional cardiology.

**Course Directors:** Gregory A. Braden, MD & Charles A. Simonton, MD

7:55 am Welcome and Introduction

## Pathophysiology and Technique

Moderators:

*Gregory A. Braden, MD & Etsuo Tsuchikane, MD, PhD*

8:00 am The Pathology of CTOs: Implications for Successful Wire and Device Crossing  
*Robert S. Schwartz, MD*

8:15 am Clinical and Angiographic Variables Related to Procedural Success: A Moving Target?  
*Tian-Hai Koh, MD*

8:30 am The Spectrum of Guide Wires Available to Recanalize CTOs: How to Choose the Wire  
*Gregory A. Braden, MD*

8:45 am New Advances in the Japanese Approaches to CTO Crossing Techniques  
*Osamu Katoh, MD*

9:00 am PCI by Both Retro and Antegrade Approaches  
*Etsuo Tsuchikane, MD, PhD*

9:15 am Guide Wire Techniques: Parallel Wire, Seesaw Technique and Multiple Wires  
*Nicolaus J. Reifart, MD*

9:30 am Retrograde and CART Techniques  
*Osamu Katoh, MD*

9:45 am Subintimal Tracking and Re-entry Techniques  
*Charles A. Simonton, MD*

10:00 am Advanced CTO Techniques  
Case Review I  
*Osamu Katoh, MD*  
Case Review II  
*Nicolaus J. Reifart, MD*

10:20 AM Break

## Imaging Technology for CTO

Moderators:

*Vinjay K. Bahl, MD & Robert J. Lederman, MD*

10:30 am IVUS Guidance of CTO Recanalization  
*Etsuo Tsuchikane, MD, PhD*

10:40 am Multislice CT Guidance to CTO  
*Wm. Guy Weigold, MD*

10:50 am Real Time MRI Guidance for CTO Recanalization  
*Robert J. Lederman, MD*

11:00 am Imaging of Small Vessels and Plaque Digestion  
*Bradley H. Strauss, MD, PhD*

11:10 am Stereotaxis Navigation Imaging for CTO Recanalization  
*Neal S. Kleiman, MD*

## Catheter Based Devices for CTO I

Moderators:

*Jeffrey Moses, MD & Charles A. Simonton, MD*

11:20 am Guide Catheter Selection, Backup Technique, Anchor Balloon and More  
*Jeffrey Moses, MD*

11:30 am New Laser Wire for Coronary Recanalization  
*On Topaz, MD*

11:40 am Mechanical Devices to Penetrate the Fibrous Cap  
*Gregory A. Braden, MD*

11:50 am **Lunch and Learn: Q & A with the Experts**  
*Gregory A. Braden, MD*  
*Osamu Katoh, MD*  
*Tian-Hai Koh, MD*  
*Jeffrey Moses, MD*  
*Nicolaus J. Reifart, MD*  
*Charles A. Simonton, MD*

### Catheter Based Devices for CTO II

Moderators:

*Jeffrey Moses, MD & Charles A. Simonton, MD*

12:30 pm When and How to Use RF Technology  
*Charles A. Simonton, MD*

12:40 pm When and How to Use Mechanical Devices  
*J.J.R.M. (Hans) Bonnier, MD*

12:50 pm CTO Peripheral Recanalization  
*John R. Laird, Jr., MD*

1:00 pm The Dissection Reentry Concept Technique, Results and Practical Recommendations  
*Nicolaus J. Reifart, MD*

1:10 pm Drug Eluting Stents for CTO  
*David Kandzari, MD*

1:20 pm Advanced CTO Techniques: Case Reviews  
*Osamu Katoh, MD*  
*Jeffrey Moses, MD*

1:50 pm CTO Perspectives: When Not to Start and When to Stop and Try Again  
*Osamu Katoh, MD*

### Complications: A Case-based Review

2:05 pm Procedural Complications I  
*David Kandzari, MD*

2:20 pm Procedural Complications II  
*Charles A. Simonton, MD*

2:35 pm Perforation and Other Complications that Can Occur During CTO Angioplasty  
*Kenneth M. Kent, MD*

2:50 pm Outcome of Complications of CTO  
*Aamir Javaid, MD*

3:05 pm Dye Utilization During CTO Angioplasty: Minimizing, Monitoring and Managing Contrast Nephropathy  
*Probal Roy, MD*

3:20 pm The New Retrograde Approach to CTO Recanalization  
*Osamu Katoh, MD*

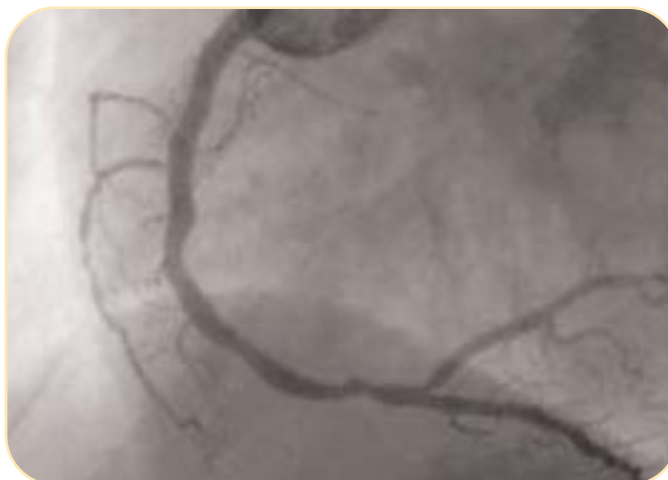
### Advanced CTO Techniques: The Parade of Difficult Cases

3:35 pm *Etsuo Tsuchikane, MD, PhD*

3:50 pm *Gregory A. Braden, MD*

4:05 pm *Robert A. Gallino, MD*

4:20 pm Adjourn



# Drug Eluting Stents In-Depth

**Drug Eluting Stents In-Depth** will feature didactic lectures and discussion on up-to-date data related to new drugs, polymers, stent design, systemic therapy and other modalities to combat restenosis. Also in this symposium, we will report the latest data on clinical trial results, registries and subgroup analyses to better understand their impact on clinical practice. We will also feature a special session on the latest developments in bioabsorbable stents from bench to bedside.

**Who should attend?** Cardiologists, vascular biologists, FDA reviewers, fellows, nurses, analysts, and healthcare professionals who are interested in the latest information on drug eluting stents.

**Course Directors:** Ron Waksman, MD, William Wijns, MD & Alan C. Yeung, MD

7:55 am Welcome and Introduction

Moderators:

*Keith A. Robinson, PhD & Renu Virmani, MD*

8:00 am Autopsy Reports: Insights into Hypersensitivity, Thrombosis and Late Restenosis  
*Renu Virmani, MD*

8:10 am Emerging Drugs and Polymers: Lessons from Preclinical Trials  
*Keith A. Robinson, PhD*

8:20 am The Best Polymer is No Polymer  
*Steven R. Bailey, MD*

8:30 am Early and Late Effects of Durable and Bioabsorbable Polymers  
*Andrew J. Carter, DO*

8:40 am Clinical Trials of Emerging Drugs and Polymers  
*Patrick W. Serruys, MD, PhD*

8:50 am Novel Approaches to Assess Endothelialization and Endothelial Function with DES  
*Renu Virmani, MD*

## US DES Programs: Industry Presentations

Moderators:

*Sigmund Silber, MD & Alan C. Yeung, MD*

9:00 am The CYPHER Program Update  
*Sidney A. Cohen, MD, PhD*

9:10 am The TAXUS Program Update  
*Donald S. Baim, MD*

9:20 am The ENDEAVOR Program Update  
*LeRoy LeNarz, MD*

9:30 am The RESOLUTE Program  
*Josiah N. Wilcox, PhD*

9:40 am Lessons from the ZOMAXX Program  
*Lewis B. Schwartz, MD*

9:50 am The XIENCE Program Update  
*Murthy Simhambhatla, PhD*

10:00 am The BIOLIMUS Program Update  
*John E. Shulze, MBA*

10:10 am The CONOR Program Update  
*Frank Litvack, MD*

10:20 am Break

## Bioabsorbable Stent Symposium

Moderators:

*Steven R. Bailey, MD & Andrew J. Carter, DO*

10:35 am Materials and Design Concepts of Bioabsorbable Stents  
*Andrew J. Carter, DO*

10:45 am The REVA Medical Bioabsorbable Stent Program  
*Robert K. Schultz, PhD*

10:55 am Update on the Development and Clinical Trials of Absorbable Magnesium Stents  
*Ron Waksman, MD*

11:05 am Bioabsorbable Vascular Solutions: The ABSORB Trial  
*Patrick W. Serruys, MD, PhD*

11:15 am The Igaki-Tamai Bioabsorbable Stent  
*Dierk Scheinert, MD*

11:25 am Anti-inflammatory Salicylic Acid Based Biodegradable DES  
*Maurice Buchbinder, MD*

11:35 am The Cordis Program  
*Robert Falotico, PhD*

11:45 am Regulatory Challenges for Biodegradable Stent Approval  
*Ashley Boam, MSBE*

11:55 am Panel Discussion: The Future of the Biodegradable Stent  
*Ashley Boam, MSBE  
Andrew J. Carter, DO  
Patrick W. Serruys, MD, PhD  
Murthy Simhambhatla, PhD  
Ron Waksman, MD*

12:15 pm Lunch

**Lunch and Learn:  
Revisiting Late Stent Thrombosis**

Moderator:

*Laura Mauri, MD & Patrick W. Serruys, MD, PhD*

- 12:30 pm SYNTAX, ARTS I and II:  
Do I Have Second Thoughts on Who Should Be Referred for CABG?  
*Patrick W. Serruys, MD, PhD*
- 12:40 pm Did We Reach a Consensus on the Definition of Late Stent Thrombosis?  
*Laura Mauri, MD*
- 12:50 pm Is the Recent Data on Increased Thrombosis and Death Reliable? How Does it Impact European Practice?  
*Patrick W. Serruys, MD, PhD*
- 1:00 pm Does the Balance Between Restenosis and Thrombosis Favor DES?  
*Donald S. Baim, MD*
- 1:10 pm Are Drug Eluting Stents Safe? A Candid Analysis of the Data  
*Patrick W. Serruys, MD, PhD*
- 1:20 pm Is Prolonged Dual Antiplatelet Therapy the Remedy for Late Stent Thrombosis?  
*Ron Waksman, MD*
- 1:30 pm What is the Take Home Message from the FDA's Perspective?  
*Bram D. Zuckerman, MD*

**DES: Subset of Lesions and Patients - Evidence-based Medicine**

Moderators:

*Sigmund Silber, MD & Alan C. Yeung, MD*

- 1:40 pm DES for SFA and Peripheral Arteries  
*Erich Minar, MD*
- 1:50 pm DES for Unprotected LM  
*Maurice Buchbinder, MD*
- 2:00 pm DES for Patients with Diabetes  
*Ashesh N. Buch, MD*
- 2:10 pm DES for Bifurcations  
*Nicolaus J. Reifart, MD*
- 2:20 pm DES for In-stent Restenosis  
*Ron Waksman, MD*

2:30 pm Are There Any Differences Between TAXUS and CYPHER?  
*Sigmund Silber, MD*

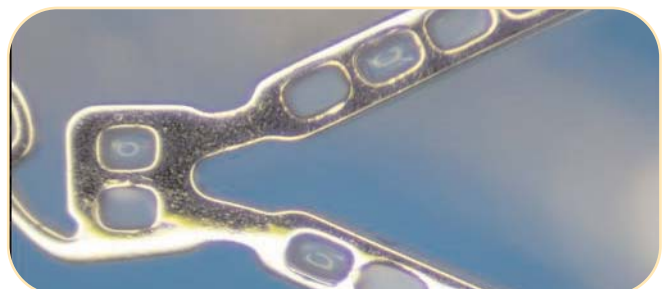
2:40 pm DES for Acute MI  
*Sigmund Silber, MD*

**DES Programs in the Pipeline**

Moderators:

*Steven R. Bailey, MD & Alan C. Yeung, MD*

- 2:50 pm Paclitaxel Coated Balloon Catheter: Is that a Viable Substitute for DES?  
*Nicolaus J. Reifart, MD*
- 3:00 pm Dedicated Bifurcated DES Programs  
*Alan C. Yeung, MD*
- 3:10 pm Progenitor Cells: HEALING II and III  
*Michael J. Kutryk, MD, PhD*
- 3:20 pm Micro Nanotechnology  
*Steven R. Bailey, MD*
- 3:30 pm Xtent Technology: Programmable Length Drug Eluting Stents  
*Alan C. Yeung, MD*
- 3:40 pm Cardiomind Technology: Stent on a Wire  
*Laura Mauri, MD*
- 3:50 pm Adjourn



## Thirteen Concurrent Scientific Meetings

**Wednesday, March 7, 2007**

Workshop with the FDA:

*Dialogue on Critical Pathways for Percutaneous Valves and Off-label Use of DES*

Vulnerable Plaque Summit

Critical Limb Ischemia Intervention

**Wednesday & Thursday, March 7 & 8, 2007**

Complex Coronary Interventions

Angiomyogenesis & Cell Therapy Symposium

**Thursday, March 8, 2007**

Emerging Devices & Innovative Therapies

Carotid Stenting

**NEW** Practical Cardiac CTA

**Friday, March 9, 2007**

ACS & AMI Management

CTO Forum

Drug Eluting Stents In-Depth

Nurse & Tech Symposium

Peripheral Interventions

**New for 2007**

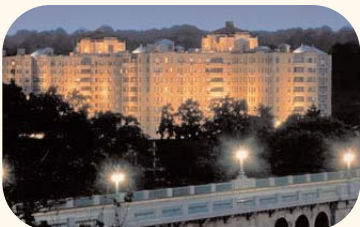
**Transradial Intervention Breakfast Symposium**

Friday, March 9, 2007

**CRT 2007 will be held at the Omni Shoreham Hotel**

A block of rooms has been reserved at a discounted rate for CRT 2007 attendees. Please contact the Omni Shoreham directly to make your hotel reservation by calling Central Reservations at: **1-800-THE-OMNI (843-6664)**. Visit [www.CRTonline.org](http://www.CRTonline.org) and click on the **CRT 2007** logo for a direct web link to make online hotel reservations.

When making reservations, please indicate that you will be attending "**CRT 2007**" to receive the preferred group rate of \$219, per room, per night, single or double occupancy. The tax is 14.5% per room, per night.



The cut-off date for making reservations is **Monday, February 5, 2007**.

Reservation requests received after the cut-off date will be based on availability at the hotel's prevailing rates.

The four-diamond Omni Shoreham Hotel is located at 2500 Calvert Street, NW, Washington, DC 20008. It is nestled on 11 acres in picturesque Rock Creek Park in northwest Washington, DC, and is just 8 miles from Reagan National Airport and 28 miles from Dulles International Airport.

# CRT 2007 Registration

March 7 -9, 2007  
Omni Shoreham Hotel  
Washington, DC

Advance registrations will not be accepted after March 2, 2007. After this date, you will need to register on-site. Please register early. Registrations by telephone will not be accepted.

## Cancellation Policy

Cancellations made in writing between January 6 and February 2, 2007 will be subject to a 50% penalty. No refunds will be given after February 2, 2007.

No telephone cancellations will be accepted.

For more information please call (202) 877-2992.

## There are three ways to register:

**On the Web:**  
www.CRToonline.org  
**By Fax:**  
(202) 877 - 8141  
(202) 877 - 8579

**By Mail:**  
CRI - CRT 2007  
110 Irving Street, NW  
Suite 6-D  
Washington, DC 20010

## 1. Registration and Badge Information

LAST NAME (FAMILY NAME)			FIRST NAME (GIVEN NAME)			MIDDLE INITIAL
<input type="checkbox"/> MD <input type="checkbox"/> PhD <input type="checkbox"/> MD, PhD <input type="checkbox"/> DO <input type="checkbox"/> RN <input type="checkbox"/> RT <input type="checkbox"/> Other _____			HOSPITAL/COMPANY/ORGANIZATION			
ADDRESS	STREET		SUITE/APT			
CITY	STATE/PROVINCE	COUNTRY	ZIP/POSTAL CODE			
DAYTIME TELEPHONE (COUNTRY CODE/CITY CODE/NUMBER)			FAX: (COUNTRY CODE/CITY CODE/NUMBER)			
EMAIL					<input type="checkbox"/> Letter of invitation needed	

Please list any special needs that you may have:

## 2. Specialty

### Physicians

- Interventional Cardiologist
- Clinical Cardiologist
- Cardiovascular Surgeon
- Radiologist
- Interventional Radiologist
- Radiation Oncologist
- Other \_\_\_\_\_

### Allied Health Professionals

- Radiobiologist
- Biologist
- Vascular or Molecular Biologist
- Technologist / Sonographer
- Nurse Practitioner
- Registered Nurse
- Other \_\_\_\_\_

### Other

- Research Specialist
- Hospital Administrator
- Industry Professional
- Regulatory Agency Employee
- Press / Media
- Other \_\_\_\_\_

## 3. Registration Category (please check all appropriate boxes)

CRT 2007	Physician	Fellow	Allied Health Professional	Industry Professional	Government Employee **
Full Meeting Registration	<input type="checkbox"/> \$870	<input type="checkbox"/> \$580	<input type="checkbox"/> \$580	<input type="checkbox"/> \$870	<input type="checkbox"/> \$300
Wednesday, March 7	<input type="checkbox"/> \$350	<input type="checkbox"/> \$230	<input type="checkbox"/> \$230		<input type="checkbox"/> \$100
Thursday, March 8	<input type="checkbox"/> \$350	<input type="checkbox"/> \$230	<input type="checkbox"/> \$230		<input type="checkbox"/> \$100
Friday, March 9	<input type="checkbox"/> \$350	<input type="checkbox"/> \$230	<input type="checkbox"/> \$230		<input type="checkbox"/> \$100
Practical Cardiac CTA *	<input type="checkbox"/> \$870	* Practical Cardiac CTA is limited to 80 participants and includes full meeting registration			
T O T A L					

\*\* A memo on official government letterhead or a copy of your government employment identification badge is required for special discount. (US only)

There will be an additional \$50 fee for on-site registration

## 4. Payment

Check Enclosed (Please make payable to "CRI - CRT 2007")

Credit Card \* This charge will be listed on your credit card statement as MedStar Research Institute

American Express  Visa  Mastercard

Please indicate card type:

Personal Card  Corporate Card

Cardholder Signature \_\_\_\_\_

Name of Cardholder (please print) \_\_\_\_\_

TODAY'S DATE		day	month	year
CARD NUMBER		EXP. DATE month year		
CCV NUMBER - The CCV number is a 3-digit non-raised number printed on the back of the credit card in the right hand corner of the signature strip. Amex card CCV numbers are 4-digits long and are on the front of the card.				

\* The Cardiovascular Research Institute reserves the right to correct the amount if form is filled out incorrectly

Code: COR

Please visit [www.CRToonline.org](http://www.CRToonline.org) for information about online registration and abstract submission

# Call for Abstracts!



Authors of the 10 Best Abstracts will receive an

**Apple iPod nano**

Select abstracts will be published in the **CRM Journal**  
(Cardiovascular Revascularization Medicine) and



all accepted authors will receive a complimentary one-year subscription.

Abstracts are an essential format for sharing new information on topics in interventional cardiology. Abstracts should address an area of interventional cardiology or endovascular disease (clinical studies, basic investigation, and animal studies are equally encouraged), and should constitute original research, but the content may include portions of prior abstracts and/or manuscripts presented elsewhere. All submitted abstracts are peer reviewed by at least 5 CRT faculty members.

**All abstracts must be submitted electronically via  
[www.CRTonline.org](http://www.CRTonline.org) by January 15, 2007**

## Visit [www.CRTonline.org](http://www.CRTonline.org)

for up-to-date program, registration, and abstract information

### Special Evening Event



Join your colleagues

Thursday evening, March 8th for an evening with  
**Bob Woodward**

This esteemed journalist will be at CRT 2007  
providing his insight into the Iraq War through his recent book,  
*State of Denial: Bush at War, Part III*.

CRT 2007  
Cardiovascular Research Institute  
at Washington Hospital Center  
110 Irving Street, NW, Suite 6-D  
Washington, DC 20010

NON-PROFIT ORG.  
U.S. POSTAGE  
PAID  
WASHINGTON  
HOSPITAL  
CENTER

Plan to attend CRT 2007 to learn the latest advances in managing patients with cardiovascular disease.