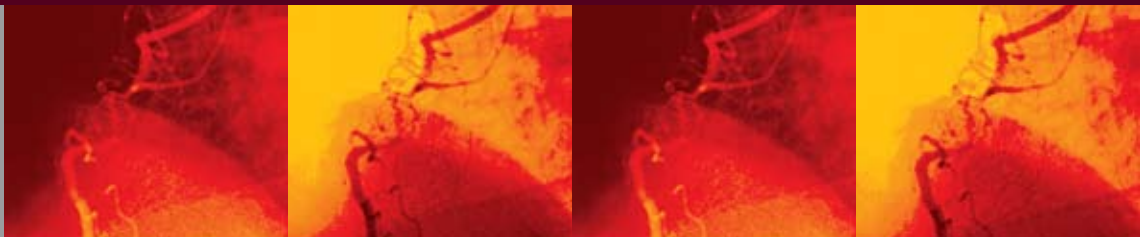


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FIFTH INTERNATIONAL

CHRONIC TOTAL OCCLUSION SUMMIT

FEBRUARY 21-22, 2008

New York Marriott Marquis Hotel

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Columbia University Medical Center
New York, NY

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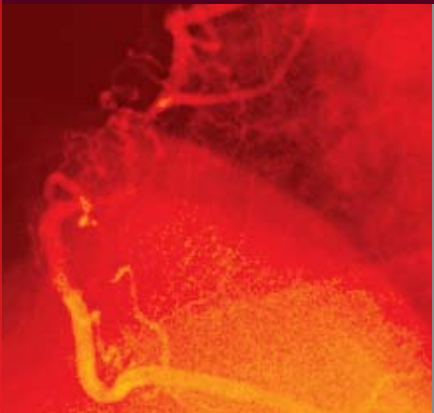


NewYork-Presbyterian
The University Hospital of Columbia and Cornell

CHRONIC TOTAL OCCLUSION SUMMIT

FEBRUARY 21-22, 2008 · NEW YORK, NY

OVERVIEW



Chronic total occlusions (CTOs) of coronary arteries represent one of the greatest challenges to interventional cardiologists. Successful revascularization of CTOs has been strongly associated with improved left ventricular function, freedom from angina and future revascularization, and in several studies increased survival.

Through new guidewires, novel devices, appropriate patient selection, and improved operator technique, the success rates for recanalization of complex chronic total occlusions are increasing. The novel retrograde approach to CTOs has been introduced as an alternative route for recanalization of otherwise difficult or impossible lesions.

With presentations from experts in the field, numerous thematically organized live CTO coronary cases, and case review sessions, this conference will summarize the techniques, tips, and tricks that are essential for the interventional cardiologist to decide when intervention of CTOs is warranted and to optimize procedural success.

CTO SUMMIT

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 21.75 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Documentation of awarded credit is provided for registered attendees in exchange for completed activity evaluations. Certificates of attendance are provided to all registered attendees.

LEARNING OBJECTIVES

After attending this conference, participants should be able to:

- Identify the pathobiologic and clinical considerations which are associated with successful recanalization of chronic total occlusions
- Explain how advances in operator technique, guidewire technology, and new devices have improved success rates for chronic total occlusions
- Describe advanced guidewire techniques and other adjunctive devices including the retrograde technique and drug-eluting stents for chronic total occlusions
- Integrate the latest recommendations for how to use new guidewires and devices to optimize procedural success while minimizing complications

TARGET AUDIENCE

This conference is designed for interventional cardiologists, clinical cardiologists, catheterization laboratory nurses, cardiovascular technologists, and other health care professionals with a special interest in the field of chronic total coronary occlusions.

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 cases, is made at the sole discretion of the faculty. Off-label product discussion and/or off-label product use is not endorsed by the Cardiovascular Research Foundation or the course 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.

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David O. Williams, MD
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Providence, RI

THURSDAY AGENDA

7:00 AM - Registration and Continental Breakfast in the Exhibit Hall

Pathophysiology, Perspectives, and Literature Survey

Moderators: Gregg W. Stone, Gerald S. Werner

7:30 AM - From Human Pathology to CT Angiography of CTOs: Insights That May Affect Case Selection and Therapy
Robert S. Schwartz

7:42 AM - Discussion

7:45 AM - CTO Collateral Anatomy and Physiology: Impact on Patient Selection, Therapy Alternatives, and Complications
Gerald S. Werner

7:57 AM - Discussion

8:00 AM - Worthwhile Perspectives from Peripheral CTO Angioplasty: Anatomic Substrates, Equipment (Guidewires and Thrombectomy), Techniques (Subintimal Tracking and Reentry), and Innovative Modalities
William A. Gray

8:12 AM - Discussion

8:15 AM - The Newest Evidence-Based Medicine Studies in CTO Therapy: A Survey of Worldwide Abstract Presentations and Publications (2006-2007)
Ajay J. Kirtane

8:27 AM - Discussion

Live Coronary Cases Session 1 (Cases 1, 2, 3, and 4)

8:30 AM - **Antegrade Technique: Complex RCA CTOs**
Moderator: Gregg W. Stone

Operators: Antonio Colombo, Osamu Katoh, Jeffrey W. Moses, Shigeru Saito

Panelists: Bradley H. Strauss, Takahiko Suzuki, Craig A. Thompson, Etsuo Tsuchikane, Gerald S. Werner

CTO Case Selection: Synthesizing Evidence-Based Medicine and Clinical Judgement

Moderators: George D. Dangas, Gregg W. Stone

11:00 AM - A Practical "User's Guide" to CTO Case Selection: Assessment Tips, Grading Systems, and Clinical Decision Algorithms (For First and Second Attempts)
Craig A. Thompson

11:15 AM - The Japanese Approach to CTO Case Selection: First, Meticulous Angiography Analysis; Second, Integration of Clinical Factors
Takahiko Suzuki

11:30 AM - Is Viability Assessment Necessary Prior to CTO Angioplasty? Should the COURAGE Nuclear Substudy Impact Our Thinking?
Gregg W. Stone

Implications from OAT (and TOSCA-2): Extending Study Results to Clinical Practice

11:45 AM - OAT Should Dictate More Conservative Clinical Practice
Judith S. Hochman

12:00 PM - OAT Has Limited Relevance and Doesn't Change My Practice
Jeffrey W. Moses

12:15 PM - Discussion and Audience Q&A
Moderators: George D. Dangas, Gregg W. Stone
Discussants: Judith S. Hochman, Jeffrey W. Moses, Takahiko Suzuki, Craig A. Thompson

12:30 PM - Lunch Pick-Up in the Exhibit Hall

Lunchtime Case Review Session: My Most Memorable CTO Case of 2007 (Emphasis on Spectacular Results and Regrettable Complications)

Moderator: George D. Dangas

Panelists: Luc Bilodeau, Michael B. Collins, Bradley H. Strauss, Patrick L. Whitlow

12:45 PM - Case 1
Bradley H. Strauss

12:56 PM - Case 2
Patrick L. Whitlow

1:07 PM - Case 3
Luc Bilodeau

1:18 PM - Case 4
Michael B. Collins

Live Coronary Cases Session 2 (Cases 5, 6, 7, and 8)

1:30 PM - **Retrograde Technique: Complex CTO Cases**
Moderator: Martin B. Leon

Operators: Osamu Katoh, Jeffrey W. Moses, Masahiko Ochiai, Paul S. Teirstein, Craig A. Thompson

Panelists: Yaron Almagor, Yasushi Asakura, Michael B. Collins, Junbo Ge, Mark Reisman, Shigeru Saito, Patrick L. Whitlow

CTO Guidewire Selection, Operator Technique, and Procedural Factors

Moderators: Martin B. Leon, Takahiko Suzuki

4:00 PM - CTO Guidewire Design for "Dummies": A Primer on Technical Aspects and Clinical Use Implications
Martin B. Leon

4:12 PM - A Step-by-Step Analysis of the "Standard" Japanese Technique: Angiographic Views, Guiding Catheter Selection, and Strategies for Guidewire Selection and Use
Yasushi Asakura

CTO Guidewire Crossing Techniques (Rationale and Case Examples): When and How to Use

4:24 PM - Gradual Advancement from Soft to Stiff Non-Tapered Guidewires
Shigero Saito

4:34 PM - Rapid Advancement to Ultra-Stiff Tapered Guidewires
Etsuo Tsuchikane

4:44 PM - Hydrophilic Guidewires
Maurice Buchbinder

4:54 PM - Parallel Wires, Seesaw Wires, and Other Advanced Guidewire Techniques
Takahiko Suzuki

5:04 PM - Discussion and Audience Q&A
Moderators: Martin B. Leon, Takahiko Suzuki
Discussants: Yasushi Asakura, Maurice Buchbinder, Shigero Saito, Etsuo Tsuchikane

CTO Angioplasty Problem-Solving and Procedural Complications

Moderators: Paul S. Teirstein, Patrick L. Whitlow

Overcoming the Uncrossable or Undilatable CTO: When and How to Use

5:15 PM - I. Aggressive "Backup" Techniques: Supportive Guiding Catheters, Deep Engagement, Anchor Balloons, and More
Patrick L. Whitlow

5:25 PM - II. Excimer Laser Catheters or Rotational Atherectomy
Luc Bilodeau

5:35 PM - III. The "Multifunctional" Tornus Device: To Assist Guidewire and Balloon Crossing
Masahiko Ochiai

5:47 PM - CTO Environmental Issues I: Radiocontrast Considerations - Use, Abuse, and Helpful Management Strategies to Avoid Contrast Nephropathy
Roxana Mehran

5:57 PM - CTO Environmental Issues II: Radiation Exposure - Dose Limits, Clinical Consequence, and Guidelines for Patient Follow-Up
Stephen Balter

6:07 PM - CTO Complications: From "Benign" Perforations to Full-Blown Catastrophes
Joachim Schofer

6:19 PM - The "Art" of Knowing When to Stop During CTO Angioplasty
Paul S. Teirstein

6:29 PM - Discussion and Audience Q&A
Moderators: Paul S. Teirstein, Patrick L. Whitlow
Discussants: Stephen Balter, Luc Bilodeau, Roxana Mehran, Masahiko Ochiai, Joachim Schofer

6:45 PM - Adjourn and Cocktail Reception in the Exhibit Hall

FRIDAY AGENDA

7:00 AM - Continental Breakfast in the Exhibit Hall

Clinical Outcomes After CTO Angioplasty: Current Era Procedural Success and Predictors of Failure

Moderators: Ajay J. Kirtane, Roxana Mehran

7:30 AM - The Columbia CTO Angioplasty Experience: Procedural Success, Long-Term Clinical Outcomes, and the Value of Repeated Attempts

Roxana Mehran

7:42 AM - Discussion

7:45 AM - The Evolution of CTO Angioplasty: Lessons Learned from the Japanese CTO Club and Two Decades of Experience at the Toyohashi Heart Institute

Etsuo Tsuchikane

7:57 AM - Discussion

The Retrograde Approach to CTO Crossing: A Practical Mini-Symposium, Part 1

Moderators: Osamu Katoh, Gregg W. Stone

8:00 AM - Concept Review of the Retrograde CTO Technique: Origins, Which Patients, Which Anatomy, and Use as Primary (Initial) or Secondary (Last Resort) Strategy

Osamu Katoh

8:12 AM - Step-by-Step Approach to Retrograde CTO Technique, Part 1: Equipment Requirements (Guidewires, Guide Catheters), Identifying, and Traversing Collaterals

Craig A. Thompson

8:24 AM - Step-by-Step Approach to Retrograde CTO Technique, Part 2: Guidewire and Balloon Crossing Alternatives (Antegrade, Retrograde, Kissing, CART, Reverse CART, and More)

Masahiko Ochiai

8:36 AM - Complications that Can Occur from the Retrograde CTO Angioplasty Approach

Yasushi Asakura

8:48 AM - Discussion and Audience Q&A

Moderators: Osamu Katoh, Gregg W. Stone

Discussants: Yaron Almagor, Yasushi Asakura,

Craig A. Thompson

Live Coronary Cases Session 3 (Cases 9, 10, 11 and 12)

9:00 AM - Antegrade Technique:

Complex LAD and LCX CTOs

Moderator: Paul S. Teirstein

Operators: Maurice Buchbinder, Masahiko Ochiai,

Joachim Schofer, Etsuo Tsuchikane

Panelists: Yasushi Asakura, Michael B. Collins,

Antonio Colombo, Osamu Katoh,

Mark Reisman, David O. Williams

The Retrograde and Other Advanced Approaches to CTO Crossing: A Practical Mini-Symposium, Part 2

Moderators: Antonio Colombo, Jeffrey W. Moses

11:30 AM - Clinical Results and the Learning Curve Using the Bilateral Antegrade and Retrograde CTO Technique: Results from the CARTTM Registry

Osamu Katoh

11:42 AM - Retrograde CTO Technique via Epicardial Collaterals and Tips to Externalize Guidewires (with Case Examples)

Yaron Almagor

11:52 AM - The Subinitial Tracking and Reentry Technique (STAR): Concept, Results, and Specific Use Recommendations

Antonio Colombo

12:04 PM - Integrating STAR and the Retrograde CTO Technique in the US Interventional Milieu: Tips and Tricks with an Emphasis on Do's and Don't's, Equipment Adjustments, and Complications

Jeffrey W. Moses

12:16 PM - Discussion and Audience Q&A

Moderators: Antonio Colombo, Jeffrey W. Moses

Discussants: Yaron Almagor, Osamu Katoh,

Craig A. Thompson

12:30 PM - Lunch Pick-Up in the Exhibit Hall

Lunchtime Case Review Session: My Most Memorable Retrograde CTO Cases

Moderator: George D. Dangas

Panelists: Junbo Ge, Jeffrey W. Moses,

Craig A. Thompson, Joachim Schofer

12:45 PM - Case 1

Craig A. Thompson

12:56 PM - Case 2

Junbo Ge

1:07 PM - Case 3

Joachim Schofer

1:18 PM - Case 4

Jeffrey W. Moses

Live Coronary Cases Session 4 (Cases 13, 14, 15, and 16)

1:30 PM - A Potpourri of Unusual CTO Cases and CT Co-Registration Techniques

Moderators: Antonio Colombo, Jeffrey W. Moses

Operators: Yaron Almagor, Yasushi Asakura,

William A. Gray, Paul S. Teirstein

Panelists: Alexandre Abizaid,

Maurice Buchbinder, Gary S. Mintz,

Keyur H. Parikh, Satoru Sumitsuji,

Takahiko Suzuki, David O. Williams

CTO Adjunctive Imaging and Therapies Workshop

Moderators: Gary S. Mintz, Patrick W. Serruys

4:00 PM - The Use of IVUS to Guide CTO Strategies: Assisting Recanalization and Subsequent Therapies (Atheroablation and Stents)

Satoru Sumitsuji

4:15 PM - The Use of MSCT Imaging in CTO Therapy: Technique Planning and Co-Registration for On-Line Guidance (Stereotaxis and More)

Patrick W. Serruys

4:30 PM - Are DES "Required" to Optimize CTO Angioplasty Results? Results from PRISON-II, ACROSS-Cypher, and Registry Experiences

Martin B. Leon

4:45 PM - Discussion and Audience Q&A

Moderators: Gary S. Mintz, Patrick W. Serruys

Discussants: Martin B. Leon, Jeffrey W. Moses,

Shigeru Saito, Satoru Sumitsuji,

Maarten J. Suttorp

New and Novel CTO Devices: The Next Frontier?

Moderators: Alexandre Abizaid, Mark Reisman

5:00 PM - Progress with the Novelis Forward-Looking IVUS-RF CTO Ablation System

David O. Williams

5:12 PM - High-Frequency Mechanical Ultrasound with the Flowcardia Crosser: Results from FACTOR and Future Expectations

Mark Reisman

5:24 PM - New Guidewire Crossing "Sleeves" and Pharmacologic Dissolution Modalities (Collagenase)

Bradley H. Strauss

5:36 PM - Revisiting Blunt Microdissection: First-in-Man Results with the Ovalum CiTop Guidewire System

Keyur H. Parikh

5:48 PM - The Revascular Oscillating Guidewire System: First-in-Man Results and Future Directions

Alexandre Abizaid

6:00 PM - Stereotaxis Magnetic Guidance (with CT Co-Registration) and RF Guidewire Ablation for CTO Crossing: Progress and Future Directions

Jeffrey W. Moses

6:12 PM - Discussion and Audience Q&A: The Role of Novel CTO Technologies

Moderators: Alexandre Abizaid, Mark Reisman

Discussants: Jeffrey W. Moses, Keyur H. Parikh,

Patrick W. Serruys, Bradley H. Strauss

6:30 PM - Adjourn

REGISTRATION

Registration online at: www.register-crf.org/cto2008.aspx

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CANCELLATIONS

All cancellations must be received in writing. Cancellations received in writing on or before 21 days prior to the 1st day of the conference will receive a full refund less \$100 administrative fee. Cancellations received 20 days to 5 days prior to the first day of the conference will be refunded 50% of the registration fee. No refunds will be given 4 days prior to the first day of the conference or for no-shows.

HOUSING

For participants who require housing, the Cardiovascular Research Foundation has reserved a block of rooms at the New York Marriott Marquis in Times Square located at 1535 Broadway between 45th and 46th Streets. To make a reservation, please contact the New York Marriott Marquis at 1-800-843-4898. Please indicate that you are with the "CRF-CTO Summit" group to receive the preferred group rate of \$279 (single/double) occupancy (excluding taxes) per night. All reservations must be guaranteed with a major credit card.

Housing reservations must be made by Wednesday, January 30, 2008; thereafter, hotel accommodations and preferred group rates will be subject to availability. Room cancellations must be made in accordance with the hotel cancellation policy 48 hours prior to arrival or your credit card will be charged for a one-night stay and applicable taxes.

AIR AND GROUND TRANSPORTATION

Referral to a travel agent is available from CRF by calling 212-851-9103. Travel arrangements are not reimbursable.

QUESTIONS

For registration information or questions regarding the CTO Summit, please contact Elizabeth DeVita, Meeting Planner, at edevita@crf.org.

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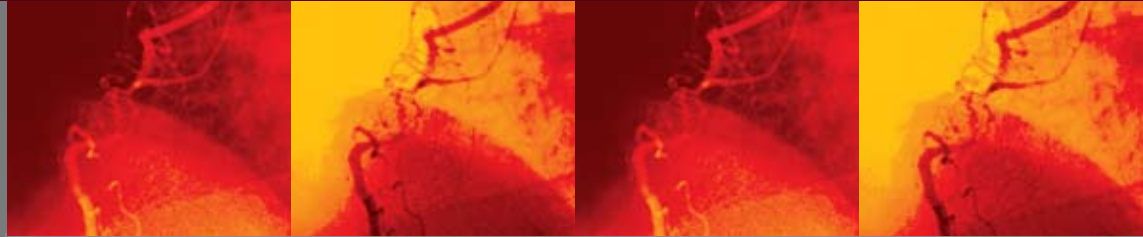
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