

Program subject to change without notice.

THURSDAY, FEBRUARY 25, 2010

- 3:00 – 7:00 p.m. Registration Open
- 4:00 – 4:30 p.m. Welcome & Introduction – Top Ten Advances of STEMI Interventions 2009
Sameer Mehta, MD, FACC, MBA
- 4:30 – 5:00 p.m. Strategies for Reducing D2B Times
Ivan Rokos, MD, FACEP
- 5:00 – 5:30 p.m. STEMI Interventions: Therapeutics, Logistics & Politics
Charanjit Rihal, MD, BSc(Med), MBA
- 5:30 – 6:30 p.m. Welcome Reception in the Exhibit Hall
- 6:00 – 8:30 p.m. Non-accredited Dinner Symposium
Critical Role of Hemodynamic Support in STEMI Interventions:
Impella® in Today's Cath Lab Supported by ABIOMED, Inc.

FRIDAY, FEBRUARY 26, 2010

- 6:30 – 8:00 a.m. Accredited Breakfast Symposium
A Review of Antithrombotic Options and Strategies for STEMI
Supported by AstraZeneca; sponsored by North American Center for Continuing
Medical Education, LLC
- 7:00 – 8:00 a.m. Registration/Continental Breakfast
- 8:00 – 8:20 a.m. Left Ventricular Assist Devices and Physiological
Basis for Myocardial Preservation
John Lasala, MD, PhD
- 8:20 – 8:40 a.m. Take-home Lessons from STEMI Clinical Trials
Cindy Grines, MD, FACC
- 8:40 – 9:00 a.m. Technical Pearls from the Master: Complex Coronary Interventions
Samin Sharma, MD, FACC
- 9:00 – 9:20 a.m. Anti-platelets, Anti-coagulants, Direct Thrombin Inhibitor & Newer Agents –
The Pharmacological Management of STEMI Interventions
Dean Kereiakes, MD, FACC
- 9:20 – 9:40 a.m. The Relevance of Thrombolytic Therapy in the Era of STEMI Interventions
Cindy Grines, MD, FACC
- 9:40 – 10:00 a.m. Tips and Tricks of the STEMI "Procedure"
Sameer Mehta, MD, FACC, MBA



"LUMEN was a wonderful experience. I learned a lot from the meeting. LUMEN has given me a lot of ideas on how to further improve our own system. LUMEN put together a great faculty and provided many opportunities to exchange ideas that will benefit our patients."

– **Michel Le May, MD, FRCPC, FACC**

*Professor of Medicine (Cardiology) Director of the Coronary Care Unit and Director of the UOHI STEMI Program
University of Ottawa Heart Institute
Ottawa, Canada*

- 10:00 – 10:30 a.m. Break/Visit Exhibits
- 10:30 – 11:00 a.m. **STEMI Future Horizons: Preventing Lethal Reperfusion Injury and Myocardial Salvage**
José P.S. Henriques, MD, PhD
- 11:00 – 11:30 a.m. **Lumen Keynote Address – STEMI Interventions: Present Status and Future Perspectives**
Gregg Stone, MD, FACC
- 11:30 a.m. – 1:00 p.m. **STEMI Processes Symposium: Global Insights**
1. *It All started in Denmark – Leif Thuesen, MD*
 2. *The Efficient Singaporean – Huay Cheem Tan, MD*
 3. *STEMI Interventions in Minnesota: As Good as in Denmark – Timothy Henry, MD*
 4. *The RACE Program – James Hoekstra, MD*
 5. *India: Small Beginnings – Thomas Alexander, MD*
 6. *Pragmatic Strategies from Southern California – Ivan Rokos, MD, FACEP*
 7. *STEMI Interventions in Siam – Cherife Abdelkhirane, MD*
 8. *The Mayo Clinic Experience – Charanjit Rihal, MD, BSc(Med), MBA*
 9. *The Citywide Protocol for Ottawa – Michel Le May, MD*
 10. *The Dutch Do It Better – José P.S. Henriques, MD, PhD*
- Moderated Q & A – Sameer Mehta, MD, FACC, MBA
- 1:00 – 2:00 p.m. Lunch/Visit Exhibits
- 2:00 – 4:00 p.m. STEMI Workshops A (choose one)

Register today.
Save up to \$100
when you
register early!

Workshop 1

STEMI EKG Certification

Chairperson: *Simon Chakko, MD*

Panelists: *Thomas Alexander, MD; Hector Jimenez, MD; Carlos Alfonso, MD; Jose Escalante, MD*

Target audience – internists, ED physicians, nurses, fellows-in-training, VCRT, EMT

LUMEN 2010 will offer a world-class STEMI EKG certification course. The workshop will consist of lectures on the basic STEMI EKG and focus on many tips to augment the accuracy of EKG in diagnosing STEMI. There will be ample illustrative examples, and the important correlation of the STEMI EKG and the coronary angiography will be demonstrated. An EKG test will also be administered; successful candidates will be provided a LUMEN EKG certificate.

Workshop 2

STEMI Critical Nursing Issues

Chairperson: *Barbara Unger, RN*

Panelists: *Mayme Lou Roettig, RN; Grisel Fernandez-Bravo, RN; Patricia Rodriguez, RN; Josen Thomas, RN*

Target audience – interventional cardiologists, fellows-in-training, CVRT, nurses

Efficient, rapid and skilled nursing care is critical to a successful STEMI intervention and especially for achieving short D2B times. Seamless nursing care is important for the care of the sick STEMI patient who is rapidly triaged through ED, the CVL and Intensive Care. Critical and unique nursing issues emerge during this vital transition. Top nursing experts, including Lumen Course Co-Director, Barbara Unger, RN, will review their own programs and discuss the valuable lessons they have learned in the delivery of care to these patients. Effective management strategies for efficient triage will also be discussed. Staffing issues, nursing shortage, special nursing skills and trouble-shooting will be candidly shared during this workshop.

FRIDAY, FEBRUARY 26, 2010

2:00 – 4:00 p.m. STEMI Workshops A (choose one)

Workshop 3

STEMI Interventions CINE Review

Chairperson: Sameer Mehta, MD, FACC, MBA

Panelists: Michael Mooney, MD; Cherif Abdelkhirane, MD; Huay Cheem Tan, MD; Dean Kereiakes, MD, FACC

Target audience – interventional cardiologists, fellows-in-training, CVRT, nurses.

In this interactive workshop, the LUMEN Course Director, Dr. Sameer Mehta, will use a compendium of cineangiograms to teach practical tips for performing STEMI interventions. Up to 20 cases will be demonstrated, ranging from the simple STEMI intervention to more complex D2B procedures. Emphasis will be placed on the use of standardized techniques for STEMI intervention; practical tips for lowering D2B times; selection of PCI hardware; and a review of thrombectomy devices and techniques. The critical issues of identifying the culprit STEMI lesion and effective strategies of STEMI interventions using the thrombus grade for compulsive management of thrombus will be discussed. Other practical lessons derived from the SINCERE database will also be reviewed.

4:00 – 4:30 p.m. Break/Visit Exhibits

4:30 – 6:00 p.m. STEMI Workshops B (choose one)

Workshop 4

Left Ventricular Assist Devices

Chairperson: Samin Sharma, MD

Panelists: William O'Neill, MD; Jose PS Henriques, MD; Charanjit Rihal, MD; Jose Marquez, MD

Target audience – cardiologists, interventional cardiologists, CVRT, nurses, fellows-in-training, CVL staff

In this innovative workshop, Dr. Samin Sharma, along with a world-class faculty, will discuss the very significant issue of left ventricular assist devices. The various devices, in particular the Impella device, will be examined, and illustrative cases will be utilized to demonstrate the effective use of these important devices to provide hemodynamic support for high-risk, complex PCIs and STEMI procedures.

Workshop 5

The Miracle on Ice – Therapeutic Hypothermia for Cardiac Arrest Patients

Chairperson: Michael Mooney, MD

Panelists: Barbara Unger, RN; Jose Marquez, MD; Alexander

Ferreira, MD; Huay Cheem Tan, MD; John M. Lasala, MD, PhD

Target audience – interventional cardiologists, ED physicians, CVL and EMS personnel, hospital administrators, healthcare payers, press, general attendees

Hypothermia is emerging as a viable modality for improving the survival of cardiac arrest patients as well as a subset of patients with STEMI interventions (less conclusive data). Numerous new protocols and hypothermia devices are being used to cool the affected patients. In addition to being a world-class STEMI regional center, Minneapolis Heart Institute at Abbott Northwestern Hospital in Minneapolis, MN, is emerging as a top center with expertise in hypothermia protocols. Dr. Michael Mooney, who is from this institution, will moderate this innovative workshop along with an expert panel.



Workshop 6

Pre-hospital EKG Alert Systems

Chairperson: *Ivan Rokos, MD*

Panelists: *Michel Le May, MD; James Hoekstra, MD; David Larson, MD; Ralph Nader, MD*

Target audience – EMS, ED and CVL staff, interventional cardiologists, fellows-in-training, nurses, administrators, payers

Early diagnosis of STEMI can be moved to the prehospital environment as has been demonstrated at numerous European and North American centers. The rapid acquisition of the 12-lead EKG, its transmission and precise interpretation, begin the appropriate management of a STEMI process that will successfully lead to predictable D2B times of <90 minutes, as recommended by the guidelines. This vital prehospital work also leads to early STEMI activation and appropriate triage of patients, with effective bypass strategies to STEMI-receiving facilities. Several innovative prehospital EKG systems are presently available, and this LUMEN workshop is dedicated to educating attendees about the various options. An experienced panel, comprised of EMS and ED experts and interventional cardiologists, will conduct this workshop.



6:00 p.m. Meeting Adjourned

6:00 – 9:00 p.m. **Accredited Dinner Symposium**
 Achieving Successful Outcomes in STEMI Patients: Keys to Optimizing Results
 Supported by Daiichi Sanko, Inc., and Lilly USA, LLC; sponsored by North American Center for Continuing Medical Education, LLC

SATURDAY, FEBRUARY 27, 2010

7:00 – 8:00 a.m. Registration/Continental Breakfast

8:00 – 8:20 a.m. STEMI Interventions in Women
Roxana Mehran, MD, FACC

8:20 – 8:40 a.m. Reperfusion Options in STEMI Patients with Expected Delays
David Larson, MD

8:40 – 9:00 a.m. Tips and Tricks of the STEMI "Process"
Sameer Mehta, MD, FACC, MBA

9:00 – 10:00 a.m. **STEMI Interventions – The Great Debates**

1. What's the Best Mechanism for Pre-Hospital Alert?

Train the Paramedic – Michel Le May, MD

Use Technology – Ivan Rokos, MD, FACEP

"Thank you so much for inviting me to participate as faculty at such an amazing conference. I was astonished that LUMEN was able to bring together so many incredible speakers in one place. I thoroughly enjoyed the chance to network with so many wonderful people. Thank you again for your dedication and such a successful conference."

– Eva Kline-Rogers, MS, RN, NP

University of Michigan Cardiovascular Center, Ann Arbor, MI

SATURDAY, FEBRUARY 27, 2010

2. Where to Perform Primary PCI?

High Volume, Tertiary Centers – Steven Bailey, MD

More Centers Without Surgical Backup – Alice Jacobs, MD, FACC

10:00 – 10:30 a.m. Break/Visit Exhibits

10:30 – 10:50 a.m. **STEMI Future Horizons: Mission: Lifeline**

Alice Jacobs, MD, FACC

10:50 – 11:10 a.m. Novel Tools in STEMI Interventions:

Intracoronary Drug Delivery, Thrombectomy Devices & More

Brahmajee Nallamothe, MD, MPH, FACC

11:10 – 11:30 a.m. Status of Cooling/Hypothermia in STEMI Interventions

Michael Mooney, MD

11:30 – 12:00 p.m. **Lumen Achievement Award – Dr. William O’Neill**

Lumen Keynote Address: New Modalities for STEMI Interventions

William O’Neill, MD, FACC

12:00 – 1:00 p.m. Lunch/Exhibits Open

1:00 – 2:00 p.m. **The Great Debates**

3. Which Stent to Use in Primary PCI?

DES is The Way to Go – Charanjit Rihal, MD, BSc(Med), MBA

Forget those tiny, ticking time bombs - BMS all the way – Huay Cheem Tan, MD

4. Which Artery to Use in Primary PCI?

Adopt the Radial Route –

Leif Thuesen, MD

Stay the Femoral Course –

Brahmajee Nallamothe, MD, MPH,

FACC



"The conference improved my practice and outcomes for STEMI patients."
– Jimmy Locklaer, MD - attendee

Wake Heart & Vascular Associates, Raleigh, NC

2:00 – 4:00 p.m.

STEMI Workshops C (*choose one*)

Workshop 7

STEMI Teamwork: Learning from Simulation

Chairperson: *William Hamman, MD*

Panelists: *Barbara T. Unger, RN; Ramon Quesada, MD; Alexander Ferreira, MD; Jose Thomas, RN*

Target audience – interventional cardiologists, ED physicians, CVL and EMS personnel, hospital administrators, healthcare payers, press, general attendees

Dr. William Hamman is a commercial pilot, cardiologist and systems expert who has done innovative work using simulative techniques to improve patient safety and process efficiency for numerous medical specialties and procedures. His pioneering work has particular significance for STEMI interventions; it is the recipient of numerous grants and comprises of ACC initiatives regarding the role of medical simulation. In this remarkable workshop, Dr. Hamman will demonstrate, via the use of myriad simulation techniques, the vital importance of teamwork for successful D2B interventions. The entire STEMI intervention is simulated, and the critical interplay of the ED and EMS personnel is revealed. Through this workshop, attendees will be able to identify the system deficiencies and learn from world experts some pragmatic ways to improve their respective STEMI programs

Limited seating available. Register to secure your place at LUMEN 2010!

Workshop 8

STEMI Symposia for Administrators

Chairperson: *William O'Neill, MD*

Panelists: *Timothy Henry, MD; Steven Bailey, MD; Mayme Lou Roettig, RN; Andrew Moss, JD*

Target audience – hospital and nursing administrators, healthcare executives, physicians, nurses, investors, press, laypersons

A successful STEMI program simply cannot exist without the close involvement, cooperation, and support of the hospital administrators. The hospital administrator may be the missing link in a STEMI intervention. Recognizing this critical role of the administrators in STEMI interventions, LUMEN 2010 has designed this very special workshop. Several important administrative issues will be discussed in a candid appraisal of the STEMI process and procedure. Experts from some of the world's best STEMI programs will discuss how they were able to obtain local and regional support for their individual programs. They will also share their perspectives about the contributions of STEMI initiatives for social awareness, philanthropy, and education. System improvements, including upgrading of facilities and eliminating redundancies, will be reviewed. Strategies for cost-effectiveness and marketing initiatives will be evaluated. The critical aspects of data management and core CMS initiatives will be discussed in an interactive environment. Quality assurance, peer review, and legal issues pertaining to STEMI interventions will be appraised. Finally, the care and cost of providing STEMI care to the multitude of unfunded patients will be opened for discussion and for expert panel analysis.

Workshop 9

STEMI Interventions CINE Review

Chairperson: *Sameer Mehta, MD, FACC, MBA*

Panelists: *Roxana Mehran, MD; Cherif Abdelkhirane, MD; Camilo Peña, MD; Ralph Nader, MD*

Target audience – interventional cardiologists, fellows-in-training, CVRT, nurses

In this interactive workshop, LUMEN Course Director Dr. Sameer Mehta will use a compendium of cineangiograms to teach practical tips for performing STEMI interventions. Up to 20 cases will be demonstrated, ranging from the simple STEMI intervention to more complex D2B procedures. Emphasis will be placed on the use of standardized techniques for STEMI intervention; practical tips of lowering D2B times; selection of PCI hardware; and a review of thrombectomy devices and techniques. The critical issues of identifying the culprit STEMI lesion and effective strategies of STEMI interventions using the thrombus grade for compulsive management of thrombus will be discussed. Other practical lessons learned from the SINCERE database will also be reviewed.

4:00 – 4:30 p.m. Break

4:30 – 6:00 p.m. STEMI Workshops D (choose one)

Workshop 10

D2B Management

Chairperson: Sameer Mehta, MD, FACC, MBA

Panelists: Huay Cheem Tan, MD; Charanjit Rihal, MD; William Hamman, MD; Michel Le May, MD

Target audience – EMS, ED and CVL staff, interventional cardiologists, fellows-in-training, nurses, administrators

In this workshop, LUMEN Course Director Dr. Sameer Mehta will break down the process and the procedure of D2B management. There will be a detailed discussion on how to implement a successful program in the individual hospital settings from EMS to the cath lab. You will learn from a national and international panel of experts who have created effective systems in their communities

Workshop 11

Adjuncts to STEMI Interventions

Chairperson: Brahmajee Nallamothe, MD, MPH, FACC

Panelists: Timothy Henry, MD; Leif Thuesen, MD; Ramon Quesada, MD; Mauricio Cohen, MD

Target audience – interventional cardiologists, fellows-in-training, CVRT, nurses, CV surgeons

The top LUMEN faculty assembles in a single workshop to deal with the very important subject of “Adjuncts to STEMI Interventions.” The session is chaired by Dr. Brahmajee Nallamothe, a recognized world expert and opinion leader in PCI, as well as by our expert panel of highly skilled interventional cardiologists. The various aspiration and thrombectomy devices will be discussed, and practical tips for their application will be reviewed. Intracoronary drug delivery and experience with many specialty catheters will also be discussed. Newer and emerging modalities in STEMI interventions will also be discussed during this practical, interactive session.

Workshop 12

Critical ED Issues

Chairperson: David Larson, MD

Panelists: Ivan Rokos, MD; James Hoekstra, MD; Barbara Unger, RN; Mayme Lou Roettig, RN

Target audience – EMS, ED and CVL staff, interventional cardiologists, fellows-in-training, nurses, administrators

This workshop will emphasize the importance of diagnosing STEMI patients via a prompt and accurate interpretation of the EKG and patient symptoms, and communication between the ED physician, interventional cardiologist, and CVL staff. The unique challenges of transfer patients will also be discussed.



6:00 p.m. Meeting Adjourned

"Attending the LUMEN conference will significantly improve D2B times."

– Raynald Dorsainril, RCIS - attendee

Bethesda Memorial Hospital, Boynton Beach, FL