International College of Angiology
52nd Annual World Congress
Boone Center Faculty Club • University of Kentucky
Lexington, Kentucky
October 17-19, 2010

John B. Chang, MD, FACS, FICA, Program Chairman

Local Organizing Committee
Sibu P. Saha, MD, MBA, FICA, Chairman
Thomas F. Whayne, Jr., MD, PhD, FICA, Co-Chairman

Scientific Program
Acknowledgments

The International College of Angiology and the Local Organizing Committee wish to thank the following individuals and companies for their generous support of our 52nd Annual World Congress:

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UK HealthCare, University of Kentucky, Lexington, Kentucky
W.L. Gore & Associates, Inc.
52nd Annual World Congress • ICA 2010
International College of Angiology

Boone Center Faculty Club • University of Kentucky
Lexington, Kentucky • October 17-19, 2010

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Tatsuki Katsumura, M.D., Ph.D. (1997-1999)
Pertti T. Aarnio, M.D., Ph.D. (1999-2001)

Executive Director
Denise M. Rossignol
International College of Angiology

Scientific Committee

Responsible for review and selection of all scientific papers proffered for the Annual World Congress within budgetary and space limitations, responsible for the organization of special symposia and workshops.

Kailash Prasad, M.D., Ph.D., Chairman
Saskatoon, Canada

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Lexington, Kentucky
Rajinder P. Sharma, M.D.
Detroit, Michigan
David N. Siegel, M.D.
New Hyde Park, New York

Young Investigator Award Recipients

Robert N.A. Gasser, M.D., Ph.D. (1988)
Simon Ashley, B.M., FRCS (1989)
Dimitrios N. Psathakis, M.D. (1989)
Daniel Duprez, M.D., Ph.D. (1991)
Philippe Bull, M.D. (1992)
Patricia Cristodor, M.D. (1992)
Manfred Grisold, M.D. (1992)
Bruno Papaleo, M.D. (1992)
F.C. Rada, M.D. (1992)
Patricia Amado, M.D. (1993)
Jutta Bergloff, M.D. (1993)
Claudia Dimofte, M.D. (1993)
Antti Korpela, M.D. (1993)
R.S. More, MRCP (1993)
Antero Sahlman, M.D. (1993)
I. Schaafhalter, M.D. (1993)
Nilanjana Maulik, Ph.D. (1994)
J. Melichercik, M.D. (1994)

Satoshi Sakai, M.D. (1996)
Gernold Wozniak, M.D. (1996)
Sabine Horn, M.D. (1997)
Roberto Baglini, M.D. (1997)
Maziar Rahmani, M.D. (1997)
Sailairitta Vuorisalo, M.D., Ph.D. (1998)
Atsushi Ishida, M.D., Ph.D. (1999)
Dai Wangde, M.D. (1999)
Takashi Yamaki, M.D. (2000)
Mitsuhiro Yamamura, M.D. (2000)
Paul Lee, Ph.D. (2001)
Thomas Zeller, M.D. (2001)
Shoji Fukuda, M.D., Ph.D. (2002)
Randy A. Stevens, M.D. (2004)
Nadia Cosentino, M.D. (2005)
Eric McNair, M.Sc. (2005)
Suresh Varma Penumathsa (2006)
Mahesh Thirunavukkarasu (2006)
Joseph F. Ndisang, PharmD, PhD (2007)
Ramesh Vidavalur, M.D. (2007)

Professor John B. Chang Research Achievement Award Recipients

Kailash Prasad, M.D., Ph.D. (1995)
Vikrom S. Sottiurai, M.D., Ph.D. (1997)
Kensuke Esato, M.D. (1999)
Jose Alemany, M.D. (2001)

Francis Robicsek, M.D. (2005)
Sibu P. Saha, M.D., MBA (2009)
Victor A. Ferraris, M.D., Ph.D. (2010)
International College of Angiology
52nd Annual World Congress
Organizing Committee

Program Chairman

John B. Chang, MD, FACS, FICA
Professor of Clinical Surgery
Hofstra North Shore-LIJ School of Medicine, New York
Albert Einstein College of Medicine, New York
Attending Surgeon, North Shore-Long Island Jewish Healthcare System
New Hyde Park, New York
Director, Long Island Vascular Center
Roslyn, New York

Chairman, Scientific Committee
Kailash Prasad, MBBS(Hons), MD, PhD, FRCP, FACC, FICA, FIACS
Professor Emeritus of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada; Member, Board of Directors, International College of Angiology; Chairman, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Regional Organizing Committee

Sibu P. Saha, MD, MBA, FICA, Chairman
Professor of Surgery; Member, President and Member, Board of Directors, International College of Angiology; Chairman, Membership Committee, International College of Angiology; Editor, International Journal of Angiology; Chairman, Local Organizing Committee, 52nd Annual World Congress; Member, International Steering Committee, ICA Research and Education Foundation; Department of Surgery, University of Kentucky, Lexington, Kentucky.

Thomas F. Whayne, Jr., MD, PhD, FICA, Co-Chairman
Professor of Medicine; Vice President, International College of Angiology; Co-Chairperson, Membership Committee, International College of Angiology; Editor, International Journal of Angiology; Division of Cardiovascular Medicine, University of Kentucky College of Medicine, Lexington, Kentucky.

Committee Members

Patrizio Capasso, MD
Professor of Radiology; Chief, Division of Vascular and Interventional Radiology

Alan Daugherty, PhD, DSc
Senior Associate Dean for Research, UK College of Medicine; Director, Saha Cardiovascular Research Center; Gill Foundation Chair in Preventative Cardiology

Eric D. Endean, MD
Professor of Surgery; Division of General Surgery; Program Director, General Surgery Residency Program; Section Head of Vascular Surgery

Victor A. Ferraris, MD, PhD, FICA
Tyler Gill Professor of Surgery; Division of Cardiothoracic Surgery

Pradnya G. Haldipur
Director of Major Gifts, UK HealthCare

David J. Minion, MD
Associate Professor of Surgery; Division of General Surgery

David Moliterno, MD
Professor of Medicine; Chief, Division of Cardiovascular Medicine; Medical Director, Linda and Jack Gill Heart Institute

Debabrata Mukherjee, MD, FICA
Professor of Medicine; Division of Cardiology, Department of Internal Medicine, Texas Tech University Health Science Center, Paul L. Foster School of Medicine, El Paso, Texas.

Mark Plunkett, MD
Associate Professor of Surgery; Chief, Division of Cardiothoracic Surgery; Co-Director, Linda and Jack Gill Heart Institute; Director, Pediatric Cardiac Program, Kentucky Children's Hospital

Eleftherios S. Xenos, MD, PhD, FICA
Assistant Professor of Surgery; Division of General Surgery

Jay Zwischenberger, MD
Johnston-Wright Professor of Surgery and Professor of Pediatrics; Chairman, Department of Surgery
The founding fathers of the International College of Angiology were Dr. Saul Simon Samuels and Dr. Rene Leriche. It was Dr. Saul Samuels who in 1942 coined the name “Angiology” from the Greek words meaning the “science of the blood vessels.”

The International College of Angiology was organized and chartered in 1958, in order to encourage, support, and facilitate research and education in vascular diseases. It was the founding fathers of the International College of Angiology that have made our College unique, in that it integrates the discipline, knowledge, and skills of several specialties, which treat the many faceted illnesses that result from disorders of the vascular system.

<table>
<thead>
<tr>
<th>Year</th>
<th>Venue</th>
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<tbody>
<tr>
<td>1958</td>
<td>1st Annual Meeting Atlantic City, New Jersey</td>
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<tr>
<td>1959</td>
<td>2nd Annual Meeting Mexico City, Mexico</td>
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<td>1961</td>
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<tr>
<td>1962</td>
<td>5th Annual Meeting Las Vegas, Nevada</td>
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<tr>
<td>1963</td>
<td>Caribbean Conference on Angiology San Juan, Puerto Rico</td>
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<td>1964</td>
<td>6th Annual Meeting</td>
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<td>1965</td>
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<tr>
<td>1966</td>
<td>8th Annual Meeting Madrid, Spain</td>
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<tr>
<td>1967</td>
<td>9th Annual Meeting Las Vegas, Nevada</td>
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<tr>
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<td>10th Annual Meeting Geneva, Switzerland</td>
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<td>1969</td>
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<td>1970</td>
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<td>1971</td>
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<td>1974</td>
<td>16th Annual Meeting Montreal, Canada</td>
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<td>1974</td>
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<td>1975</td>
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<td>1976</td>
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<td>1981</td>
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<td>1999</td>
<td>41st Annual World Congress Sapporo, Japan</td>
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<td>2000</td>
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<td>2002</td>
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<td>2003</td>
<td>45th Annual World Congress Indianapolis, Indiana</td>
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<td>2004</td>
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<td>2005</td>
<td>47th Annual World Congress Uncasville, Connecticut</td>
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<td>2006</td>
<td>48th Annual World Congress Charlotte, North Carolina</td>
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<td>2007</td>
<td>49th Annual World Congress Vancouver, Canada</td>
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<td>2008</td>
<td>50th Golden Anniversary Congress Tokyo, Japan</td>
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<tr>
<td>2009</td>
<td>51st Annual World Congress Beijing, China</td>
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52nd Annual World Congress
General Program Information

Congress Aim
The overall mission of the 52nd Annual World Congress of the International College of Angiology is to bring together basic and clinical scientists to share universally current knowledge and techniques in angiology to update the pathophysiology of disease, clinical diagnostic methods, and treatment for improved healthcare delivery and future research. This Congress will provide a forum for the synthesis of State-of-the-Art information that encompasses the pathophysiology, clinical diagnosis, and treatment of vascular diseases as they are encountered by primary care physicians, vascular, general, thoracic, cardiothoracic, and cardiovascular surgeons, neurosurgeons, cardiologists, internists and cardiology and vascular interventional radiologists.

Learning Objectives
Upon completion of our continuing medical education activities, the participant should be able to:

- Understand and apply the value of an integrated approach to the diagnosis and treatment of cardiac and vascular disease.
- Assess and differentiate between competing technologies for vascular intervention.
- Choose when and how to appropriately apply various interventional and non-interventional procedures in the treatment of vascular disease.
- Describe new developments and techniques that will impact performance, practice, and patient care in the future.
- Apply the most recent developments in the diagnosis, medical management, and treatment of cardiac, peripheral vascular and cerebrovascular disorders in order to make improved patient care decisions based on outcome and cost.
- Enhance knowledge in the practice of treating vascular disease.
- Evaluate treatment options for asymptomatic and symptomatic patients with carotid artery disease to prevent stroke.
- Define the treatment options of patients with abdominal aortic aneurysms to minimize morbidity and mortality.
- Enhance patient selection for renal artery revascularization to improve blood pressure control and renal function.
- Identify and explore new research problems for future collaboration.

All presentations have a purpose while providing a balanced view of diagnostic and therapeutic options followed by constructive debate. These objectives are achieved through invited guest lectures by nationally and internationally recognized leaders, special symposia, workshops, live demonstrations and exhibits, highlighting the most challenging and controversial procedures performed in interventional medicine. Submitted abstracts and invited guest lecturers serve as a major part of the overall program. A significant portion of the program is reserved for question and answer interaction between the presenters and the audience.

Instruction to Authors
We remind authors presenting submitted oral papers their presentations are limited to ten (10) minutes with an invited discussion following the session. Authors presenting submitted poster presentation must limit their presentation to five (5) minutes. All presentations (ORAL and POSTER) are to be given in PowerPoint. Authors are required to submit their presentations on a CD/DVD/Flash Drive or via E-Mail (PC format for Windows 2000 or Windows XP) to our Executive Director NO LATER THAN October 15, 2010. All presentations WILL be pre-loaded in advance of the Opening Ceremony. THERE WILL BE NO DOWNLOADING or use of personal laptops during any session.

VENUE
Hilary J. Boone Center Faculty Club
510 Rose Street
Lexington, Kentucky 40506-0014
Telephone: 859.257.1133

From Bluegrass Parkway (Elizabethtown/Bardstown)
Take Exit 72A (US-60 East, Lexington) on right. Continue onto US-60 East; street becomes BUS US-60 East (Versailles Road). Continue onto KY-1974 South (West Maxwell Street). Turn right on Rose Street. Turn left onto Columbia Avenue. Parking lot for Boone Center is the first right.

From I-75 South (Northern Kentucky/Cincinnati)
Take Exit 115 (KY-922, Bluegrass Parkway, Airport, Lexington) on right. Continue onto KY-922 South (Newtown Pike). Turn left onto BUS US-25 (BUS US-421, West Main Street). Turn right on Rose Street. Turn left onto Columbia Avenue. Parking lot for Boone Center is the first right.

From I-75 North (London/Corbin/Tennessee)
Take Exit 104 (KY-418, Lexington, Athens) on right. Turn left onto KY-418 (Athens Boonesboro Road); street becomes US-25 North (US-421 North, Richmond Road). Continue onto BUS US-25 (BUS US-421, East Main Street). Turn left onto Rose Street. Turn left onto Columbia Avenue. Parking lot for Boone Center is the first right.

From I-64 East (Louisville) or I-64 West (Ashland)
Boone Center Parking
Complimentary parking for Boone Center guests is located directly behind the facility in the gated parking lot. Pull forward to the gate and it will raise automatically. Guests may retrieve a token from the Boone Center Reception Desk to exit the lot. The Hilary J. Boone Center is not responsible for guests who do not park in the specified lot or who park in metered spaces.

Registration Desk Hours
The ICA Annual World Congress registration desk will be located in the Boone Center Faculty Club on the campus of the University of Kentucky.

Sunday, October 17 7:30 AM – 3:00 PM
Monday, October 18 7:30 AM – 2:00 PM
Tuesday, October 19 7:30 AM – 1:00 PM

Messages
The ICA requests all meeting participants to turn off or lower their cellular telephones, or utilize their "vibrate" feature on the cellular telephone.

52nd Annual World Congress Welcome Cocktail Reception & Young Investigator Award Ceremony
Our traditional Welcome Cocktail Reception is a sponsored event of the Congress, and will be held on Sunday evening, October 17th - beginning at 5:30 pm at the Boone Center Faculty Club on the campus of the University of Kentucky. This reception is open to faculty, all registered meeting participants, and their guests. During the reception, cocktails and hors d'oeuvres will be served. You will be required to present your Congress Badge for this event. Attire is business casual.

52nd Annual World Congress Farewell Dinner
The International College of Angiology will hold an optional Farewell Dinner at Buffalo Trace Distillery faculty and participants of our Congress on Tuesday evening, October 19th beginning at 7:00 PM. This reception MUST be reserved in advance of the Congress. The cost of the Farewell Dinner IS NOT included as part of your Registration Fee. Attire is business casual.

Accreditation Statement
This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Medical Society of the State of New York (MSSNY) through the joint sponsorship of MSSNY and the International College of Angiology, Inc. MSSNY is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

The Medical Society of the State of New York (MSSNY) designates this educational activity for a maximum of 20.25 AMA/PRA Category 1 Credits™. Physicians should claim commensurate with the extent of their participation in the activity.

Faculty Disclosure Policy
As a sponsor accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians, the Medical Society of the State of New York, must ensure balance, independence, objectivity, and scientific rigor in all it’s directly sponsored or jointly sponsored educational activities. We are required to identify all relevant financial relationships with any commercial interest; determine whether these relationships create a conflict of interest with the individual’s control or content and resolve all conflicts before the educational activity occurs.

The Medical Society of the State of New York relies upon Course Directors, planners, moderators and invited faculty participants in its CME programs to provide educational information that is objective and free from bias. In this spirit, and in accordance with the ACCME Standards for Commercial Support, Course Directors, planners, moderators and faculty participants are expected to disclose the existence of any significant financial interest or other relationship the faculty member (spouse or partner) or provider has with the manufacturer of any commercial product discussed in an educational presentation.

All are expected to disclose:

• Any relevant financial relationship with the provider of commercial products or services discussed in their educational presentation or that have directly supported the CME activity through an educational grant to the sponsoring organization(s).

And

• If the product he/she will be discussing is not labeled for the use under discussion of that the product is still investigational.
## Presenter Disclosures

As a sponsor accredited by the Accreditation Council of Continuing Medical Education the Medical Society of the State of New York (MSSNY) must ensure balance, independence, objectivity, and scientific rigor in all of its individually or jointly sponsored educational activities. All speakers participating in a sponsored activity are required to disclose any material, financial, or other relationship that may pose conflicts of interest. In addition, the fact that the presentation describes the use of a device, product, or drug that is not FDA approved, or an off-label use of an approved device, product, or drug must also be disclosed. This policy has been adopted in response to FDA policy and recent case law involving medical societies. The requirement of disclosure is not intended to imply any impropriety of such relationship, but simply to indemnify such relationships through full disclosure, to allow the audience to form its own judgments regarding the presentation.

### Presenter Disclosures

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Disclosure Status</th>
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</thead>
<tbody>
<tr>
<td>Ram Sudheer Adluri, MBBS</td>
<td>Nothing to Disclose</td>
</tr>
<tr>
<td>Michael A. Ajakaiye, MD</td>
<td>Nothing to Disclose</td>
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<tr>
<td>Hananto Andriantoro, MD</td>
<td>No Disclosure Received</td>
</tr>
<tr>
<td>Mauro Capoferri, MD</td>
<td>Nothing to Disclose</td>
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<tr>
<td>John B. Chang, MD</td>
<td>Nothing to Disclose</td>
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<tr>
<td>Xiaofeng Chen</td>
<td>Nothing to Disclose</td>
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<tr>
<td>Ran Cheng</td>
<td>Nothing to Disclose</td>
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<tr>
<td>Michèle Cowan, MD</td>
<td>Nothing to Disclose</td>
</tr>
<tr>
<td>Iwan Dakota, MD</td>
<td>No Disclosure Received</td>
</tr>
<tr>
<td>Alan Daugherty, PhD, DSc</td>
<td>No Disclosure Received</td>
</tr>
<tr>
<td>Raymond A. Dieter, Jr., MD</td>
<td>No Conflict of Interest; presentation does include information about procedures/product(s) not labeled for use and/or are investigational</td>
</tr>
<tr>
<td>Robert Dieter, MD</td>
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<td>Eric D. Endean, MD</td>
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<tr>
<td>Victor A. Ferraris, MD, PhD</td>
<td>No Disclosure Received</td>
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<tr>
<td>Hannes M. Findeisen, MD</td>
<td>No Disclosure Received</td>
</tr>
<tr>
<td>Antonios Gasparis, MD</td>
<td>No Conflict of Interest; presentation does include information about procedures/product(s) not labeled for use and/or are investigational</td>
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<tr>
<td>John C. Gurley, MD</td>
<td>Off-Label Procedure(s)/Product(s) under investigation include t-PA, Stents</td>
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<tr>
<td>Andrea Gyöngy, MSc</td>
<td>No Disclosure Received</td>
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<tr>
<td>Peter Hájek, MD</td>
<td>Nothing to Disclose</td>
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<tr>
<td>Michael H. Hall, MD</td>
<td>Nothing to Disclose</td>
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<tr>
<td>Hermann Kaebnick, MD</td>
<td>Consultant and Lecturer for Endologix; Presentation does include information about procedures/product(s) not labeled for use and/or are investigational; Off-Label Procedure(s)/Product(s) under investigation include Fenestrated Powerlink Aortic cuffs, Palmaz stent placement</td>
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<tr>
<td>RWM Kaligis, MD</td>
<td>No Disclosure Received</td>
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<tr>
<td>Karthekeshwar Kasirajan, MD</td>
<td>No Disclosure Received</td>
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<td>Päivi E. Korhonen, MD</td>
<td>No Disclosure Received</td>
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<tr>
<td>Nicos Labropoulos, MD</td>
<td>No Disclosure Received</td>
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<td>Horia Marin, MD</td>
<td>Nothing to Disclose</td>
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<td>Jeremiah Martin, MD</td>
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<td>David J. Minion, MD</td>
<td>No Disclosure Received</td>
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<td>David Moliterno, MD</td>
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<td>Gustavo X. Morales, MD</td>
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<td>Joseph F. Ndisang, PhD</td>
<td>No Disclosure Received</td>
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<tr>
<td>Heather Nolan</td>
<td>Nothing to Disclose</td>
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<tr>
<td>Takao Ohki, MD, PhD</td>
<td>No Disclosure Received</td>
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<tr>
<td>Nihar Pandit, MD</td>
<td>No Disclosure Received</td>
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<tr>
<td>Mark Plunkett, MD</td>
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 Presenter Disclosures (Continued)

Aruna Poduri .................................................................Nothing to Disclose
Kailash Prasad, MD, PhD .........................................................Nothing to Disclose
Dinker B. Rai, MD .................................................................No Disclosure Received
Joseph Rajendran, MD ...............................................................Nothing to Disclose
Chand Ramaiah, MD ...............................................................Nothing to Disclose
Debra L. Rateri .................................................................Nothing to Disclose
Alfredo Rego, MD, PhD .........................................................Nothing to Disclose
Mir Sadat-Ali, MD .................................................................No Conflict of Interest; presentation does include information about procedures/product(s) not labeled for use and/or are investigational;...Off-Label Procedure(s)/Product(s) will be disclosed during presentation
Sibu P. Saha, MD, MBA ...............................................................Nothing to Disclose
John Samas, MD .................................................................Nothing to Disclose
Nicolas W. Shammas, MD ..........................................................Received research Grants to the Midwest Cardiovascular Foundation from Medtronic, Atrium and Possis (now MedRad). Off-Label products will be disclosed during presentation

Yu Shang .................................................................Nothing to Disclose
Rajinder P. Sharma, MD .................................................................Nothing to Disclose
David N. Siegel, MD....... Member of Advisory Boards of Celonova Medical, AGA Medical, and BSC-Oncology
Vijay Singh, MD .................................................................Nothing to Disclose
Ehab Sorial, MD .................................................................No Disclosure Received
Sangita Sudharshan, MD ...............................................................Nothing to Disclose
I. Sunu, MD .................................................................No Disclosure Received
Mushabbar A. Syed, MD .................................................................No Conflict of Interest; Presentation will include off-label use of

Josef Veselka, MD .................................................................Nothing to Disclose
Thomas F. Whayne, Jr., MD, PhD .........................................................Nothing to Disclose
Congqing Wu .................................................................Nothing to Disclose
Eleftertherios Xenos, MD, PhD .........................................................Nothing to Disclose
Malka Yahalom, MD, DSc ...............................................................Nothing to Disclose
Mitsuhiro Yamamura, MD ...............................................................No Conflict of Interest; Presentation will include off-label use of

Xuan Zhang.................................................................Edaravone (Radicut®) from Mitsubishi Tanabe Pharma Co., Japan
Wei Zhou, MD .................................................................Nothing to Disclose
Greetings:

On behalf of the Commonwealth of Kentucky, I am pleased to welcome you to Lexington for the 52nd Annual World Congress of the International College of Angiology. We are honored to host you and pleased that you have chosen to meet in our beautiful state. I commend you for taking time away from your busy schedule in order to participate in this multidisciplinary congress.

Kentucky boasts some of the most breathtaking farms and finest equestrian facilities found anywhere, with Lexington being recognized internationally as the “Horse Capital of the World.” While you are here, I encourage you to take advantage of the variety of attractions Lexington has to offer. You may decide to visit the Kentucky Horse Park, Keeneland, the Henry Clay Estate, Waveland State Historic Site or McConnell Springs.

However you decide to spend your time here, you will undoubtedly experience the charm and hospitality that characterize Central Kentucky. Best wishes for an enjoyable stay in the Bluegrass State and hope you will return soon.

Sincerely,

Steven L. Beshear
Dear Colleagues:

Welcome to Lexington—Bluegrass Region in the heart of Kentucky, "Horse Capital of the World”, and the venue of the 52nd Annual World Congress of the International College of Angiology.

The goal of this Congress is to bring together a unique blend of international clinicians and scientists to provide a forum for State-of-the-Art information and emerging technology that encompasses the pathophysiology, clinical diagnosis, and treatment of vascular disease in different disciplines.

The Executive Committee has several exciting projects on line that will have a positive impact on the future of the College. We have re-structured our Officers to have further input in developing scientific programs, as well as our Journal. Through the initiatives of the Regional Secretaries, the ICA is achieving global recognition, particularly in education.

We have developed a program, which will cover the newest modalities and innovative techniques, providing those in attendance with the knowledge of effective patient care and insight into some of the newest investigative findings. Our 52nd Annual World Congress will highlight topics and symposia by acknowledged experts in the field of endovascular and stent therapy, cardiovascular surgery, peripheral vascular diseases, vascular surgery, interventional cardiology and radiology, and cardiovascular care in Kentucky. Interactive debates and free communication between the speakers and the meeting participants is highly encouraged.

In addition to an extensive scientific program, we have planned a Uniquely Bluegrass social program beginning with our Welcome Cocktail Reception and Young Investigator Award Ceremony at the University of Kentucky Boone Center Faculty Club, and our Farewell Dinner at Buffalo Trace Distillery.

Lexington, with its immaculate farms, exciting racing and majestic horse park, has earned its place as "Horse Capital of the World." Uniquely historical—the past comes alive and legacies preserved in historic homes, crafts, and museums throughout the region. Kentucky is also the birthplace of bourbon, the world-renowned "Spirit of the Bluegrass.”

It is a distinct honor to serve as President of College, and Chairman of the Local Organizing Committee. I look forward to personally greeting you in Lexington. Enjoy our 52nd Annual World Congress and the unique Bluegrass Region of Kentucky!

Yours sincerely,

Sibu P. Saha, MD, MBA, FICA
President
Dear Colleagues, Members, and Guests:

I take great pleasure and honor to welcome each and every one to our 52\textsuperscript{nd} Annual World Congress in the beautiful city of Lexington, Kentucky.

I would like to take this opportunity to express my heartfelt appreciation and gratitude to the Local Organizing Committee, headed by our President, Professor Sibu P. Saha. I extend my deepest gratitude to the Governor of Kentucky, Honorable Steven L. Beshear, to President Lee T. Todd, Jr., President of the University of Kentucky at Lexington, and to Dr. Michael Karpf, Executive Vice President for Health Affairs, UK HealthCare, University of Kentucky at Lexington, for their generous support in making this Annual World Congress most successful.

I also express my sincere appreciation to Professor Kailash Prasad for his tireless dedication and superb expertise in finalizing our Scientific Program, along with our mighty Executive Director, Denise M. Rossignol, for her strong support and leadership.

This Congress will be held on the campus of the University of Kentucky, a prominent institution for higher education. During the Annual World Congress, you will meet many new friends and renew friendships with old friends. As you will see, many of our members are having been dedicated and loyal for many decades as members and leaders of this society.

On the academic podium, we will be discussing current challenging issues of cardiovascular problems, new diagnostic techniques, and management. We will be honoring our Young Investigators, and also honored to present a Research Achievement Award to a renowned surgeon and education, Professor Victor A. Ferraris.

For the attendees and their family members, the members of the Local Organizing Committee and Officers of the College will be happy to assist you in making your stay in Lexington a most memorable, intellectually and socially entertaining while in Lexington. You will no doubt enjoy the beautiful autumn foliage of this season, in one of America’s most beautiful states, Kentucky.

Please enjoy the scientific sessions, social events, and wonderful people of Kentucky. I look forward to greeting each and every one of you at our Congress.

Sincerely,

John B. Chang, MD, FACS, FICA
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, and Albert Einstein College of Medicine

Chairman, Board of Directors
Scientific Program Chairman
<table>
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<th>Saturday</th>
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<td>October 16</td>
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<td>8:30 AM</td>
<td>Opening Ceremony &amp; Welcome Remarks</td>
<td>7:30 AM</td>
<td>SPECIAL BREAKFAST SESSION</td>
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<td>9:00 AM</td>
<td>Branch Endograft for TAAAs: The Jikei Experience</td>
<td>8:30 AM</td>
<td>Management of Peripheral Arterial Disease</td>
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<td>A Special Lecture</td>
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<td>Young Investigator Competition Oral Presentations</td>
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<td>Carotid Interventions</td>
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<td>10:45 AM</td>
<td>Young Investigator Competition Poster Presentations</td>
<td>10:45 AM</td>
<td>Advances, Controversies, Research, and Latest Concepts in Cardiovascular Medicine &amp; Surgery—Surgical</td>
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<td>12:00 PM</td>
<td>Special Luncheon Session Management of TAA Open Repair vs Endovascular Techniques Debate</td>
<td>12:00 PM</td>
<td>Special Luncheon Session Research Achievement Award Asking Questions at the Bedside—Clinicians Path to Research</td>
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<td>1:30 PM</td>
<td>Advances, Controversies, Latest Concepts in Cardiovascular Medicine &amp; Surgery—Medical</td>
<td>1:00 PM</td>
<td>Management of Acute Coronary Syndrome—Different Points of View Across the Ocean</td>
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<td>2:30 PM</td>
<td>Young Investigators Competition Video Presentations</td>
<td>2:00 PM</td>
<td>Preventative Cardiology</td>
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<td>ICA Business Meetings (Hilton Downtown Lexington Hotel)</td>
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<td>Remainder of Afternoon Free Bluegrass Tour—Horse Farms</td>
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<td>Coffee Break</td>
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<td>Cardiovascular Care In Kentucky</td>
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<td>5:30 PM</td>
<td>Welcome Reception &amp; Young Investigator Award Presentation Boone Center Faculty Club</td>
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<td>7:00 PM</td>
<td>Welcome Reception &amp; Young Investigator Award Presentation Boone Center Faculty Club</td>
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Scientific Sessions

52nd Annual World Congress
Lexington, Kentucky
October 17-19, 2010

Scientific Program
Sunday, October 17, 2010
8:30 AM – 9:00 AM
Boone Center Faculty Club, University of Kentucky

Opening Remarks and Introductions
Introduction By:

Sibu P. Saha, MD, MBA, FICA
Professor of Surgery; President and Member, Board of Directors, International College of Angiology; Chairman, Membership Committee, International College of Angiology; Editor, International Journal of Angiology; Chairman, Local Organizing Committee, 52nd Annual World Congress; Member, International Steering Committee, ICA Research and Education Foundation; Department of Surgery, University of Kentucky, Lexington, Kentucky.

Program Chairman

John B. Chang, MD, FACS, FICA
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, New York; Albert Einstein School of Medicine, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, International Journal of Angiology; Director, Long Island Vascular Center, Roslyn, New York; Attending Surgeon, North Shore-Long Island Jewish Healthcare System, New Hyde Park, New York.

Vice Chairman, Board of Directors

John A. Elefteriades, MD, FICA
William W.L. Glenn Professor of Cardiothoracic Surgery; Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Chief, Section of Cardiothoracic Surgery, Yale University School of Medicine, New Haven, Connecticut.

President-Elect

Takao Ohki, MD, PhD, FICA
Professor of Surgery, Albert Einstein School of Medicine, Bronx, New York; President-Elect and Member, Board of Directors, International College of Angiology; Editor, International Journal of Angiology; Chairman, Department of Surgery and Chief, Department of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan.

Chairman, Scientific Committee

Kailash Prasad, MBBS(Hons), MD, PhD, FRCP, FACC, FICA, FIACS
Professor Emeritus of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada; Member, Board of Directors, International College of Angiology; Chairman, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Local Organizing Committee

Sibu P. Saha, MD, MBA, FICA, Chairman
Professor of Surgery; Member, Board of Directors, International College of Angiology; Chairman, Membership Committee, International College of Angiology; Editor, International Journal of Angiology; Chairman, Local Organizing Committee, 52nd Annual World Congress; Member, International Steering Committee, ICA Research and Education Foundation; Department of Surgery, University of Kentucky, Lexington, Kentucky.

Thomas F. Whayne, Jr., MD, PhD, FICA, Co-Chairman
Professor of Medicine; Vice President, International College of Angiology; Co-Chairperson, Membership Committee, International College of Angiology; Editor, International Journal of Angiology; Division of Cardiovascular Medicine, University of Kentucky College of Medicine, Lexington, Kentucky.

Committee Members

Patrizio Capasso, MD
Professor of Radiology; Chief, Division of Vascular and Interventional Radiology

Alan Daugherty, PhD, DSc
Senior Associate Dean for Research, UK College of Medicine; Director, Saha Cardiovascular Research Center; Gill Foundation Chair in Preventive Cardiology

Eric D. Endean, MD
Professor of Surgery; Division of General Surgery; Program Director, General Surgery Residency Program; Section Head of Vascular Surgery

Victor A. Ferraris, MD, PhD, FICA
Tyler Gill Professor of Surgery; Division of Cardiothoracic Surgery

Pradnya G. Haldipur
Director of Major Gifts, UK HealthCare

David J. Minion, MD
Associate Professor of Surgery; Division of General Surgery

David Moliterno, MD
Professor of Medicine; Chief, Division of Cardiovascular Medicine; Medical Director, Linda and Jack Gill Heart Institute

Debabrata Mukherjee, MD, FICA
Professor of Medicine; Division of Cardiology, Department of Internal Medicine, Texas Tech University Health Science Center, Paul L. Foster School of Medicine, El Paso, Texas.

Mark Plunkett, MD
Associate Professor of Surgery; Chief, Division of Cardiothoracic Surgery; Co-Director, Linda and Jack Gill Heart Institute; Director, Pediatric Cardiac Program, Kentucky Children's Hospital

Eleftherios S. Xenos, MD, PhD, FICA
Assistant Professor of Surgery; Division of General Surgery

Jay Zwischenberger, MD
Johnston-Wright Professor of Surgery and Professor of Pediatrics; Chairman, Department of Surgery
Sunday, October 17, 2010 (Continued)
8:30 AM – 9:00 AM
Welcome Address

President Lee T. Todd, Jr.
President, University of Kentucky, Lexington, Kentucky.

Michael Karpf, MD
Executive Vice President for Health Affairs, UK HealthCare, University of Kentucky, Lexington, Kentucky.

Opening Address

John B. Chang, MD, FACS, FICA, Program Chairman
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, Uniondale, New York; Albert Einstein School of Medicine, Bronx, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, International Journal of Angiology; Director, Long Island Vascular Center, Roslyn, New York; Attending Surgeon, North Shore-Long Island Jewish Healthcare System, New Hyde Park, New York.

Branched Endograft for TAAAs: The Jikei Experience
A Special Lecture

This special lecture highlights the experience of vascular surgeons using branch endografts for thoracic abdominal aortic aneurysms at Jikei University School of Medicine, Tokyo, Japan.

Introduction By:

John B. Chang, MD, FACS, FICA, Program Chairman
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, New York; Albert Einstein School of Medicine, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, International Journal of Angiology; Director, Long Island Vascular Center, Roslyn, New York; Attending Surgeon, North Shore-Long Island Jewish Healthcare System, New Hyde Park, New York.

Presentation By:

Takao Ohki, MD, PhD, FICA
Professor of Surgery, Albert Einstein School of Medicine, Bronx, New York; President-Elect and Member, Board of Directors, International College of Angiology; Editor, International Journal of Angiology; Chairman, Department of Surgery and Chief, Department of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan.

Young Investigator Award Competition
Oral Presentations

This session will focus on the latest developments in certain areas of angiology, including persistent bilateral sciatic arteries, influence of BMI on post-operative transfusions, Denver drain placement and pleural effusion, combination of gene therapy in neovascularization, and the role of angiotensin II Type 1b receptors in atherosclerosis.

Moderators:

Alan Daugherty, PhD, DSc
Senior Associate Dean for Research, UK College of Medicine; Director, Saha Cardiovascular Research Center; Gill Foundation Chair in Preventative Cardiology, University of Kentucky, Lexington, Kentucky.

Kailash Prasad, MBBS(Hons), MD, PhD, FRCPC, FACC, FICA, FIACS
Professor Emeritus of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada; Member, Board of Directors, International College of Angiology; Chairman, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

9:30 Persistent Bilateral Sciatic Arteries: A Rare Finding of Teaching Importance: Michèle M. Cowan, BSc, MSc, Alfaaisal University College of Medicine, Riyadh, Saudi Arabia.

9:40 Effect of BMI on Post-Operative Transfusions and 24-Hour Chest Tube Output: Heather R. Nolan, BA, AS, University of Kentucky College of Medicine, Lexington, Kentucky.

9:50 Effectiveness of Denver Drain Placement with Malignant Pleural Effusions: Sangita Sudharshan, BS, University of Kentucky College of Medicine, Lexington, Kentucky.

10:00 Effect of Combination Gene Therapy with Vascular Endothelial Growth Factor and Angiopoietin-1 after Myocardial Infarction Enhances Neovascularization and Reduced Ventricular Remodeling in the Type-1 Diabetic Myocardium: Ram Sudheer Adluri, PhD, University of Connecticut Health Center, Farmington, Connecticut.
Scientific Sessions

Sunday, October 17, 2010
9:30 AM – 10:30 AM
Second Scientific Session

Young Investigator Award Competition (Continued)

Oral Presentations

10:10 Angiotensin II Type 1b Receptor Deficiency Increases Hypercholesterolemia-Induced Atherosclerosis in Male LDL Receptor Deficient Mice: Aruna Poduri, PhD, Saha Cardiovascular Research Center, Lexington, Kentucky.

Questions and Answers with Audience Participation

Sunday, October 17, 2010
10:30 AM – 10:45 AM Coffee Break

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10:45 AM – 12:00 PM Third Scientific Session

Poster Presentations

These poster presentations provide insight into the role of the renin-angiotensin system in aortic aneurysms and atherosclerosis, and the use of near-infrared diffuse optics spectroscopies in the detection of cerebral ischemia.

Moderators:

Pertti Aarnio, MD, PhD, FICA
Professor of Surgery; Member, Board of Directors and Co-Chairperson, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Chief, Department of Surgery, Satakunta Central Hospital and University of Turku, Pori, Finland.

Jeffrey T. Prem, MD, FACS, FICA
Associate Clinical Professor of Surgery, Northeast Ohio College of Medicine, Canton, Ohio; Medical Director, Vascular Services and Vascular, Mercy Medical Center, Canton, Ohio.

•

10:45 Detection of Cerebral Ischemia during Carotid Endarterectomy using Near-Infrared Diffuse Optics Spectroscopies: Yu Shang, PhD, University of Kentucky College of Medicine, Lexington, Kentucky.

10:52 Intraoperative Evaluation of Revascularization Effect on Ischemic Muscle Hemodynamics using Near-Infrared Diffuse Optical Spectroscopies: Ran Cheng, BS, University of Kentucky College of Medicine, Lexington, Kentucky.

10:59 Isolated Necrotizing Aortitis Presenting as Incidental Thoracoabdominal Aortic Aneurysm: A Case Report: Jeremiah T. Martin, MD, University of Kentucky College of Medicine, Lexington, Kentucky.

11:06 Testosterone Developmentally Programs Angiotensin II-Induced AAAs in Female Hyperlipidemic Mice through Smooth Muscle AT1a Receptors: Xuan Zhang, BS, Graduate Center for Toxicology, University of Kentucky, Lexington, Kentucky.

11:13 Attenuation of Endogenous Angiotensinogen Concentrations Reduces Abdominal Aortic Aneurysms Induced by Exogenous Angiotensin II: Congqing Wu, MS, Saha Cardiovascular Research Center, Lexington, Kentucky.

11:20 Angiotensin Converting Enzyme (ACE) Deficiency in Bone Marrow-Derived Cells Has No Effect on Hypercholesterolemia-Induced Atherosclerosis: Xiaofeng Cheng, MD, PhD, Saha Cardiovascular Research Center, Lexington, Kentucky.

Questions and Answers with Audience Participation
Scientific Sessions

Sunday, October 17, 2010
12:00 PM – 1:30 PM
Fourth Scientific Session

Management of TAA Open Repair vs Endovascular Techniques — A Debate

This debate will put forward the pros and cons of open repair and endovascular techniques in the management of thoraco-abdominal aortic aneurysms.

Moderators:

John B. Chang, MD, FACS, FICA, Program Chairman
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, New York; Albert Einstein School of Medicine, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, International Journal of Angiology; Director, Long Island Vascular Center, Roslyn, New York; Attending Surgeon, North Shore-Long Island Jewish Healthcare System, New Hyde Park, New York.

David J. Minion, MD
Associate Professor of Surgery; Division of General Surgery, University of Kentucky, Lexington, Kentucky.

John A. Elefteriades, MD, FICA
William W.L. Glenn Professor of Cardiothoracic Surgery; Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Chief, Section of Cardiothoracic Surgery, Yale University School of Medicine, New Haven, Connecticut.

Karthikeshwar Kasirajan, MD, FICA
Assistant Professor of Surgery; Co-Chairperson, Scientific Committee, International College of Angiology; Editor, International Journal of Angiology; Department of Surgery, Emory University School of Medicine, Atlanta, Georgia.

Questions and Answers with Audience Participation

1:30 PM – 2:30 PM
Fifth Scientific Session

Advances, Controversies, and Latest Concepts in Cardiovascular Medicine & Surgery I

This session will focus on the latest concepts in cardiovascular medicine, with a special reference to pregnancy-associated plasma protein and acute coronary syndrome, familial heart block, anti-factor Xa, and the treatment of pulmonary thromboembolism.

Moderators:

Otmar M. Pachinger, MD, FESC, FAHA, FICA
Professor of Medicine; Chief of Cardiology, Medical University of Innsbruck, Innsbruck, Austria.

Eiji Tamiya, MD, FICA
Co-Chairperson, Membership Committee, International College of Angiology; Editor, International Journal of Angiology; Visiting Professor, Juntendo University, Tokyo, Japan; Chief, Department of Cardiology, Koto Hospital, Tokyo, Japan.


1:40 A Look at the Peak and Trough Levels of Anti-Factor Xa in Patients on Enoxaparin with CCT<30 ml/minute: Joseph Rajendran, MD, Tan Tock Seng Hospital, Singapore.

1:50 Bilateral Massive Pulmonary Thromboembolism in a Young Patient Treated with Supportive Measures with an Excellent Outcome: Nihar Pandit, MD, Tan Tock Seng Hospital, Singapore.

2:00 The Clinical Significance of Familial Heart Block: Malka Yahalom, MD, DSc, FICA, Western Galilee Hospital, Nahariya, Israel.

Questions and Answers with Audience Participation
Sixth Scientific Session

Video Presentations

This session is video presentations on the repair of vascular ring, posterior post-infarct ventricular septal defects, and the management of median arcuate ligament syndrome.

Moderators:

John A. Elefteriades, MD, FICA
William W.L. Glenn Professor of Cardiothoracic Surgery; Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Chief, Section of Cardiothoracic Surgery, Yale University School of Medicine, New Haven, Connecticut.

Randall W. Franz, MD, FACS, RVT, FICA
Clinical Associate Professor of Surgery, Ohio University School of Medicine, Columbus, Ohio; Auxiliary Clinical Faculty of Surgery, Ohio State University School of Medicine, Columbus, Ohio; Vice President, International College of Angiology; Editor, International Journal of Angiology; Chief, Vascular Surgery, Grant Medical Center; Medical Director, Grant Vascular and Vein Center, Columbus, Ohio.


2:40 Double Patch Technique for Repair of Posterior Post Infarct Ventricular Septal Defect: Chand Ramaiah, MD, University of Kentucky College of Medicine, Lexington, Kentucky.

2:50 Median Arcuate Ligament Syndrome—Combined Open and Endovascular Management: Ehab Sorial, MD, FACS, University of Kentucky Medical Center, Lexington, Kentucky.

Questions and Answers with Audience Participation

3:15 PM – 3:30 PM Coffee Break

3:30 PM – 5:15 PM Seventh Scientific Session

Cardiovascular Care in Kentucky

This session is devoted to cardiovascular care in Kentucky with special reference to cardiovascular imaging, the latest technology in cardiology, interventional electrophysiology, robotic coronary bypass surgery, and the surgical treatment of coronary artery anomalies and peripheral vascular disease.

Moderators:

Thomas F. Whayne, Jr., MD, PhD, FICA
Professor of Medicine; Vice President and Co-Chairperson, Membership Committee, International College of Angiology; Editor, International Journal of Angiology; Co-Chairman, 52nd Annual World Congress, International College of Angiology; Division of Cardiovascular Medicine, University of Kentucky, Lexington, Kentucky.

Jay Zwischenberger, MD
Johnston Wright Professor of Surgery, and Professor of Pediatrics; Local Organizing Committee Member, 52nd Annual World Congress, International College of Angiology; Chairman, Department of Surgery, University of Kentucky Chandler Medical Center, Lexington, Kentucky.

3:30 Update in Cardiovascular Imaging: Mushabbar A. Syed, MD, FACC, Loyola University Stritch School of Medicine, Maywood, Illinois.


4:00 Interventional Electrophysiology: Arrhythmia Management Beyond the Endocardial Surface: Gustavo X. Morales, MD, University of Kentucky, Lexington, Kentucky.

4:15 Robotic Coronary Artery Bypass Surgery in 2010: Chand Ramaiah, MD, University of Kentucky, Lexington, Kentucky.

4:30 Surgical Treatment of Coronary Artery Anomalies: Mark D. Plunkett, MD, University of Kentucky College of Medicine, Lexington, Kentucky.

4:45 A Paradigm Shift in Treatment of Peripheral Vascular Surgery? Eric D. Endean, MD, FACS, University of Kentucky College of Medicine, Lexington, Kentucky.

Questions and Answers with Audience Participation
Welcome Reception & Young Investigator Award Ceremony
Boone Center Faculty Club
University of Kentucky College of Medicine

Monday, October 18, 2010
7:30 AM – 8:30 AM
Eighth Scientific Session

sRAGE—A Predictor of Post-PCI Restenosis and Measures to Reduce Incidence of Restenosis

A Special Breakfast Session
This special lecture deals with advanced glycation end products (AGEs), and the receptors for AGE (RAGE) and soluble RAGE (sRAGE). The sensitivity and specificity of sRAGE in the prediction of post-PCI restenosis will be described, along with possible measures to reduce the incidence of restenosis, will be discussed.

Introduction By:
John B. Chang, MD, FACS, FICA, Program Chairman
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, New York; Albert Einstein School of Medicine, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, International Journal of Angiology; Director, Long Island Vascular Center, Roslyn, New York; Attending Surgeon, North Shore-Long Island Jewish Healthcare System, New Hyde Park, New York.

Presentation By:
Kailash Prasad, MBBS(Hons), MD, PhD, FRCPC, FACC, FICA, FIACS
Professor Emeritus of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada; Member, Board of Directors, International College of Angiology; Chairman, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Monday, October 18, 2010
8:30 AM – 9:30 AM
Ninth Scientific Session

Management of Peripheral Arterial Disease
This session focuses on the management of peripheral arterial disease with emphasis on omental therapy in aortic infections and GI fistula, ankle-brachial index and cardiovascular risk, angiogenesis and wound healing, and critical limb ischemia.

Moderators:
David Zeltsman, MD, FICA
Assistant Professor of Surgery, Hofstra North Shore-LIJ School of Medicine, New York; Chief of Thoracic Surgery, Department of Cardiovascular and Thoracic Surgery, North Shore-Long Island Jewish Healthcare System, New Hyde Park, New York.

David G. Stanley, MD, FACS, FICS, FICA
Editor, International Journal of Angiology; Medical Director, Wound Treatment Center, Methodist Medical Center of Oak Ridge, Oak Ridge, Tennessee.

8:30 Omental Therapy in Aortic Infections and GI Fistula: Raymond A. Dieter, Jr., MD, FICA, Glen Ellyn, Illinois.
8:40 Ankle-Brachial Index Identifies Persons with Cardiovascular Risk in Both Genders: Päivi E. Korhonen, MD, FICA, Central Satakunta Health Federation of Municipalities, Harjavalta, Finland.
8:50 Role of Angiogenesis in Wound Healing in Diabetic Rabbits: Mir Sadat-Ali, MD, King Fahd University Hospital, Al-Khobar, Saudi Arabia.
9:00 Critical Limb Ischemia: Robert S. Dieter, MD, RVT, FICA, Loyola University School of Medicine, Glen Ellyn, Illinois.

Questions and Answers with Audience Participation
Tenth Scientific Session

Carotid Interventions

This symposium provides an in-depth review and update on carotid artery interventions with special emphasis on carotid artery stents, carotid endarterectomy, and risk factors predictive of carotid artery stenting-associated microemboli.

Moderators:
Aravinda Nanjundappa, MD, FACC, FSCAI, RVT, FICA
Associate Professor of Medicine and Surgery; Editor, International Journal of Angiology; West Virginia University School of Medicine, Charleston, West Virginia.

Wei Zhou, MD
Associate Professor of Surgery, Stanford University, Stanford, California; Chief, Vascular Surgery, Palo Alto VA Health Care System, Palo Alto, California.


9:40 Mid-Term Outcome of Carotid Stenting for Moderate versus Critical Stenosis: Josef Veselka, MD, PhD, FICA, University Hospital Motol, Prague, Czech Republic.

9:50 Risk Factors Predictive of CAS-Associated Subclinical Microemboli: Wei Zhou, MD, Stanford University, Stanford, California.

10:00 Carotid Endarterectomy—My Way: Sibu P. Saha, MD, MBA, FICA, University of Kentucky College of Medicine, Lexington, Kentucky.

Questions and Answers with Audience Participation

10:30 AM – 10:45 AM Coffee Break

Eleventh Scientific Session

Advances, Controversies, Research, and Latest Concepts in Cardiovascular Medicine & Surgery II

This session will present the management of aortic valve disease, TRALI syndrome and Type B aortic dissection, and the protective role of Edaravone in ischemic reperfusion leg injury and of heme oxygenase and atrial natriuretic peptide in hypertension-induced renal dysfunction.

Moderators:
Frank Manetta, MD, FICA
Assistant Professor of Surgery, Hofstra-North Shore LIJ School of Medicine, New Hyde Park, NY; Editor, International Journal of Angiology; Program Director, Cardiothoracic Surgery, Long Island Jewish Medical Center, New Hyde Park, New York.

Nicolas W. Shammas, MD, MS, FICA
Adjunct Clinical Associate Professor of Medicine, University of Iowa Hospitals, Iowa City, Iowa; Editor, International Journal of Angiology; Research Director, Midwest Cardiovascular Research Foundation, Davenport, Iowa.


11:05 Type B Aortic Dissection Treated with an Endovascular Separated Stent-Graft System—A Single Center Experience: Iwan Dakota, MD, FICA, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia.

11:15 Edaravone Reduces Mitochondrial Damage due to Reperfusion Injury Following Leg Ischemia in Rats: Mitsuhiro Yamamura, MD, FICA, Hyogo College of Medicine, Nishinomiya-city, Hyogo, Japan.

11:25 Heme Oxygenase and Atrial Natriuretic Peptide Suppresses Hypertension-Induced Renal Dysfunction: Joseph F. Ndisang, PhD, FICA, University of Saskatchewan, Saskatoon, Canada.

Questions and Answers with Audience Participation
Scientific Sessions

Monday, October 18, 2010
12:00 PM – 1:00 PM
Twelfth Scientific Session

Professor John B. Chang Research Achievement Award
The Professor John B. Chang Research Achievement Award is presented annually to a Fellow of the International College of Angiology in recognition of excellence in research and scholarly activity.

A Special Luncheon Session

Asking Questions at the Bedside—Clinicians Path to Research
Introduction By:

John A. Elefteriades, MD, FICA
William W.L. Glenn Professor of Cardiothoracic Surgery; Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Chief, Section of Cardiothoracic Surgery, Yale University School of Medicine, New Haven, Connecticut.

Presentation By:

Victor A. Ferraris, MD, PhD, FICA
Tyler Gill Professor of Surgery; Secretary General and Member, Board of Directors, International College of Angiology; Editor, International Journal of Angiology; Division of Cardiothoracic Surgery, University of Kentucky College of Medicine, Lexington, Kentucky.

1:00 PM – 2:00 PM
Thirteenth Scientific Session

Management of Acute Coronary Syndrome: Different Points of View Across the Ocean
This session will provide the viewpoints of European and North American health care providers on the management of acute coronary syndrome.

Moderators:

Otmar M. Pachinger, MD, FESC, FAHA, FICA
Professor of Medicine; Chief of Cardiology, Medical University of Innsbruck, Innsbruck, Austria.

Edward Ross, MD, FICA, FACC
Member, Board of Directors, International College of Angiology; Co-Chairman, Scientific Committee, International College of Angiology; Editor, International Journal of Angiology; Past Co-Director, Cardiovascular Program-Clarian Health Partners, Methodist Hospital; Past Co-Medical Director, Cardiac Cath. Lab. and Cardiovascular Services, Methodist Hospital; Senior Cardiologist, Methodist Cardiology Physicians, Indianapolis, Indiana.

Presentations By:

David Moliterno, MD
Professor of Medicine; Chief, Division of Cardiovascular Medicine, University of Kentucky College of Medicine, Lexington, Kentucky; Medical Director, Linda and Jack Gill Heart Institute, Lexington, Kentucky.

Joseph Veselka, MD, PhD, FESC, FSCAI, FICA
Professor of Medicine; Editor, International Journal of Angiology; Chief, Cardiovascular Center, University Hospital Motol, Prague, Czech Republic.

Questions and Answers with Audience Participation
Scientific Sessions

Monday, October 18, 2010
2:00 PM – 3:00 PM
Fourteenth Scientific Session

Scientific Poster Presentations

This poster session describes recent developments in the treatment of vascular diseases and the role of angiotensin II in the pathophysiology of aortic aneurysms.

Moderators:

John A. Elefteriades, MD, FICA
William W.L. Glenn Professor of Cardiothoracic Surgery; Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Chief, Section of Cardiothoracic Surgery, Yale University School of Medicine, New Haven, Connecticut.

Rajinder P. Sharma, MD, FICA
Treasurer and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editor, International Journal of Angiology; Chairman, International Steering Committee, ICA Research and Education Foundation; Division of Vascular and Interventional Radiology, Henry Ford Hospital, Detroit, Michigan.

Questions and Answers with Audience Participation

3:00 PM
Bluegrass Tour—Horse Farms

- 2:00 Intermediate-Term Outcomes of Patients Treated with the Zotaroliums-Eluting (Endeavor) Stent at a Tertiary Medical Center: Nicolas W. Shammas, MD, MS, FICA, Midwest Cardiovascular Research Foundation, Davenport, Iowa.
- 2:10 Late Retrograde Type A Aortic Dissection with Rupture after Repair of Type B Aortic Dissection with a Gore TAG Endovascular Prothesis: M.A. Ajakaiye, MD, Long Island Jewish Medical Center, North Shore University Hospital, Feinstein Institute of Medical Research, Manhasset, New York.
- 2:30 Telomerase-Deficiency in Bone Marrow-Derived Cells Attenuates Angiotensin II-Induced Abdominal Aortic Aneurysm Formation: Hannes M. Findeisen, MD, Saha Cardiovascular Research Center, Lexington, Kentucky.
Tuesday, October 19, 2010
7:30 AM – 8:15 AM
Fifteenth Scientific Session

An Overview of Vascular Embolotherapy
A Special Breakfast Session
This special lecture will provide an overview of vascular embolotherapy.

Introduction By:

John B. Chang, MD, FACS, FICA, Program Chairman
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, New York; Albert Einstein School of Medicine, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, International Journal of Angiology; Director, Long Island Vascular Center, Roslyn, New York; Attending Surgeon, North Shore-Long Island Jewish Healthcare System, New Hyde Park, New York.

Moderator:

Professor Austin Leahy, FRCSI, MCh
Associate Professor of Surgery and Consultant Vascular Surgeon, Beaumont Hospital, Dublin, Ireland; Professor of Health Sciences and Management, Royal College of Surgeons in Ireland; Editor-in-Chief, The Surgeon: Journal of the Royal Colleges of Surgeons of Edinburgh and Ireland.

Presentation By:

David N. Siegel, MD, FSIR, FICA
Assistant Professor of Radiology, Albert Einstein College of Medicine, and Hofstra-North Shore LIJ School of Medicine, New York; Vice President, International College of Angiology; Editor, International Journal of Angiology; Chief, Division of Vascular and Interventional Radiology, NorthShore-LIJ Health System, New Hyde Park, New York.

Questions and Answers with Audience Participation

8:15 AM – 9:00 AM
Sixteenth Scientific Session

Tricks of the Trade

Iwan Dakota, MD, FICA
Regional Secretary, Membership Committee, International College of Angiology; Department of Cardiology and Vascular Diseases, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia.

John A. Elefteriades, MD, FICA
William W.L. Glenn Professor of Cardiothoracic Surgery; Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Chief, Section of Cardiothoracic Surgery, Yale University School of Medicine, New Haven, Connecticut.

8:15 Branch Vessel Preservation during Endovascular Aneurysm Repair in Challenging Anatomy: David J. Minion, MD, University of Kentucky College of Medicine, Lexington, Kentucky.
8:30 How I Do It—EVAR with Technical Pitfalls: Hermann W. Kaebnick, MD, RVT, VA Hospital, Louisville, Kentucky.

Questions and Answers with Audience Participation
Tues
day, October 19, 2010
9:00 AM – 10:30 AM
Seventeenth Scientific Session

Management of Venous Disease

The focus of this session is on the management of venous disease with a special reference to acute iliofemoral thrombosis and saphenous vein insufficiency. It will also provide an insight into venous physiology and the financial aspects as it relates to the care of venous disease.

Moderator:
Eleftherios Xenos, MD, PhD, FICA
Assistant Professor of Surgery; Local Organizing Committee Member, 52nd Annual World Congress, International College of Angiology; Division of General Surgery, University of Kentucky College of Medicine, Lexington, Kentucky.

9:00 Pharmacomechanical Thrombolysis for Acute Iliofemoral Thrombosis and Treatment Options for Chronic Venous Outflow Obstruction: Antonios P. Gasparis, MD, RVT, Stony Brook University School of Medicine, Stony Brook, New York.

9:20 Venous Imaging—Physiology—Diagnosis: Nicos Labropoulos, MD, Stony Brook University School of Medicine, Stony Brook, New York.

9:40 Current Status of Saphenous Vein Insufficiency Treatment: Eleftherios Xenos, MD, PhD, FICA, University of Kentucky Medical Center, Lexington, Kentucky.

9:50 Motion of Blood in the Veins is Pulsatile—A New Finding: Dinker B. Rai, MD, FICA, Interfaith Medical Center, Brooklyn, New York.

10:00 Financial Aspects Related to the Care of Venous Disease—Running A Successful Vein Practice: Alfredo Rego, MD, PhD, FICA, Cleveland Clinic Foundation, Aventura, Florida.

Questions and Answers with Audience Participation

10:30 AM – 10:45 AM  Coffee Break

10:45 AM – 12:00 PM
Eighteenth Scientific Session

Interventional Radiology and Cardiology

This session discusses the therapeutic modalities for abdominal aortic aneurysms, thoracic aortic dissections with retro-esophageal right brachiocephalic anatomy, abdominal aortic aneurysms with a tortuous delivery vessel, thoracic endovascular aortic repair with an anomalous region of the left vertebral artery, and interventional management of a stroke.

Moderators:
Patrizio Capasso, MD
Professor of Radiology; Local Organizing Committee Member, 52nd Annual World Congress, International College of Angiology; Chief, Division of Vascular and Interventional Radiology, University of Kentucky College of Medicine, Lexington, Kentucky.

Hitoshi Hirose, MD, PhD, FACS, FICA
Assistant Professor of Surgery; Co-Chairman, Membership Committee, International College of Angiology; Editor, International Journal of Angiology; Division of Cardiothoracic Surgery, Thomas Jefferson University Hospital, Philadelphia, Pennsylvania.

10:45 Separated Aortic Stent Graft System to Treat Abdominal Aortic Aneurysms—Short- and Long-Term Results: Iwan Dakota, MD, FICA, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia.

10:55 Transjugular Intrahepatic Portosystemic Shunt (TIPS)—How I Do It: Rajinder P. Sharma, MD, FICA, Henry Ford Hospital, Detroit, Michigan.

11:05 Descending Thoracic Aortic Dissection with Retro-Esophageal Right Brachiocephalic Anomalous Treated with an Endovascular Separated Aortic Stent Graft—A Case Report: Hananto Adriantoro, MD, FICA, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia.

11:15 Ischemia of the Left Upper Extremity Following Thoracic Endovascular Aortic Repair in Patients with Anomalous Origin of the Left Vertebral Artery: RWM Kaligis, MD, FICA, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia.


11:35 A Huge Abdominal Aortic Aneurysm (AAA) with a Tortuous Delivery Vessel Treated with a Separated Stent Graft System: I. Sunu, MD, FICA, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia.

Questions and Answers with Audience Participation
Tuesday, October 19, 2010
12:00 PM – 1:00 PM
Nineteenth Scientific Session

Can We Predict Mechanisms of Aneurysm in Humans from Animal Models?
A Special Luncheon Session
This special session is devoted to the mechanisms of aortic aneurysms in animal models, and the prediction of the mechanisms of aneurysms in humans using animal models.

Introduction By:
Thomas F. Whayne, Jr., MD, PhD, FICA
Professor of Medicine; Vice President, International College of Angiology; Co-Chairman, Membership Committee, International College of Angiology; Editor, International Journal of Angiology; Co-Chairman, Local Organizing Committee, 52nd Annual World Congress, International College of Angiology; Division of Cardiovascular Medicine, University of Kentucky College of Medicine, Lexington, Kentucky.

Presentation By:
Alan Daugherty, PhD, DSc
Committee Member, Local Organizing Committee, 52nd Annual World Congress, International College of Angiology; Senior Associate Dean for Research, UK College of Medicine; Director, Saha Cardiovascular Research Center; Gill Foundation Chair in Preventative Cardiology, Lexington, Kentucky.

Questions and Answers with Audience Participation
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1:00 PM – 3:00 PM
Twentieth Scientific Session
Preventative Cardiology
This session deals with measures to prevent cardiovascular diseases with emphasis on atherosclerosis, smoking, and physical inactivity.

Moderators:
RWM Kaligis, MD, FICA
Head, Vascular Division, Department of Cardiology and Vascular Medicine, Faculty of Medicine, University of Indonesia, Jakarta, Indonesia; Member, Vascular Unit, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia.

Joseph Veselka, MD, PhD, FESC, FSCAI, FICA
Professor of Medicine; Editor, International Journal of Angiology; Chief, Cardiovascular Center, University Hospital Motol, Prague, Czech Republic.

1:00 Current Status of Atherosclerosis Prevention: Thomas F. Whayne, Jr., MD, PhD, FICA, University of Kentucky College of Medicine, Lexington, Kentucky.
1:10 The Effectiveness of Structured Cardiac Rehabilitation (CR) to Improve Physical Activity in the Secondary Prevention of Coronary and Peripheral Artery Disease: Andrea Gyöngy, MSc, FICA, Institute of Cardiovascular Prevention and Rehabilitation, Locarno, Switzerland.
1:20 Stop Smoking—The Best Therapy against Atherosclerotic Artery Disease: Mauro Capoferri, MD, Cardiocentro Ticino, Lugano, Switzerland.
1:30 Meet the Experts—WALKING—How I Do It: Andrea Gyöngy, MSc, FICA; Franziska Gyöngy, MSc; Andrea Bronz; Mauro Capoferri, MD, Institute of Cardiovascular Prevention and Rehabilitation, Locarno, Switzerland.
2:10 Meet the Experts—RUNNING—How I Do It: Franziska Gyöngy, MSc; Andrea Gyöngy, MSc, FICA; Andrea Bronz; Mauro Capoferri, MD, Institute of Cardiovascular Prevention and Rehabilitation, Locarno, Switzerland.

Questions and Answers with Audience Participation
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END OF SCIENTIFIC SESSIONS •

7:00 pm
Farewell Dinner—Buffalo Trace Bourbon Distillery
Join your colleagues from around the world, earn CME, and explore key areas rapidly expanding in cardiovascular medicine and surgery. ICA 2011 is designed to meet the specific educational needs of medical professionals involved with the management and treatment of cardiovascular diseases as they are encountered by primary care physicians, vascular, general, thoracic and cardiovascular surgeons, cardiologists, interventional radiologists, neuroradiologists, fellows and residents of the above specialties, vascular biologists and their staff, and nurses.

The objective of the Annual World Congress is to offer a serious academic forum to those physicians and allied healthcare personnel interested in research, education, and clinical investigation in the field of cardiovascular medicine and surgery. The congress is intended to provide an in-depth review of the spectrum of topics related to the management and treatment of patients with cardiovascular and vascular disease. Special emphasis will be placed upon evolving trends, therapies, and minimally invasive treatment of cardiovascular disease.

This annual world congress will feature an internationally renowned faculty, and recognized leaders will discuss state-of-the-art techniques in the diagnosis and treatment of vascular disease. Live video case presentations, didactic lectures, panel discussions, debates, and question and answer sessions will highlight the most challenging, and controversial topics and procedures performed in interventional medicine. We encourage all of our colleagues to participate in this growing educational program by submission of a formal abstract for a standard oral, poster, or video presentation.

The 2011 program will focus on surgical, percutaneous, and medical management. From peripheral vascular disease to coronary and cerebrovascular disease and abdominal aortic aneurysm, this congress will offer a comprehensive review of what is new in techniques, approaches, and prevention.

Program Highlights
- Advances in Endovascular and Interventional Procedures—Tips and Tricks
- Carotid Arterial Interventions—CEA vs. CAS
- Advances—Controversies—Latest Concepts in Cardiovascular Medicine and Surgery
- Debates in Cardiovascular Medicine
- The Future of Wound Care
- Up-to-Date Techniques for the Treatment of Peripheral Vascular Disease—Techniques and Results
- Contemporary Treatment in Venous Disease
- Thoracic Arch—AAA—Open Procedure vs. Stent vs. Hybrid or Combined?
- Preventive Cardiology—Atherosclerosis—Risk Management—Prevention and Innovative Alternative Medicines
- Young Investigator Award Competition—Your Glory or Disaster—Video Presentations
- Oral, Video, and Poster Presentation Sessions

This Congress is jointly sponsored by the Indonesian Society of Vascular Medicine, Indonesian Heart Association, and the Medical Society of the State of New York.
Join us in sharing a commitment to improving the future of cardiovascular care by research and education.

Most leading causes of death in the modern world are related to blood vessel pathology. The field of cardiovascular medicine and surgery (angiology) is the field that deals with preventing, diagnosing, and treating vascular and blood vessel related diseases.

With an increased burden of vascular disease in our aging population, the ongoing convergence of physicians with interest in cardiovascular medicine and surgery is paramount.

In order for critical advancements to take place in our specialty, the continued quest for knowledge in both research and education is of the utmost importance.

The International College of Angiology and its renowned international leadership, is embarking on an international initiative—The ICA Research and Education Foundation. This combined international effort will reach out to our membership at-large, as well as our scientific and corporate community, to generate the essential resources needed to facilitate research and education.

The ICA Research and Education Foundation is the charitable foundation of the International College of Angiology (ICA). The Foundation’s mission is to improve cardiovascular care by research and education.

**Mission Statement**

This Foundation is committed to advancement of research and development of socioeconomic issues, and is dedicated to establishing educational programs appropriate to practicing physicians and surgeons. The Endowment Research and Education Foundation of the College will proactively seek support for education, basic and clinical research, and explore key areas to generate vital resources to provide a forum for education, leading the practitioner into the future of an ever evolving field of cardiovascular diseases. The ultimate goal of the College is to improve healthcare delivery through various avenues of dissemination of knowledge.

Since its inception in May 2009, the ICA Research and Education Foundation would like to thank the following donors for their gifts:

**Member Gifts**

**Platinum Level - $25,000+**

- John B. Chang, MD
- Lucy J. Chang, MD
- Sibu P. Saha, MD, MBA
- Rajinder P. Sharma, MD

**Bronze Level/Leadership Circle - $1,000+**

- David G. Stanley, MD
- Thomas F. Whayne, Jr., MD, PhD
- Malka Yahalom, MD, DSc

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