



56th Annual World Congress

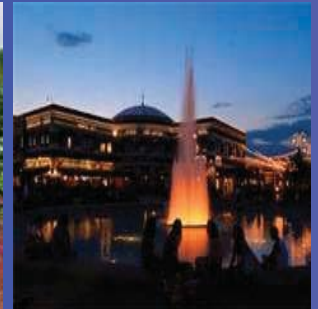


International College of Angiology

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SEPTEMBER 18, 19, 20, 2014

**Hilton Hotel at Easton Town Center
Columbus, Ohio**

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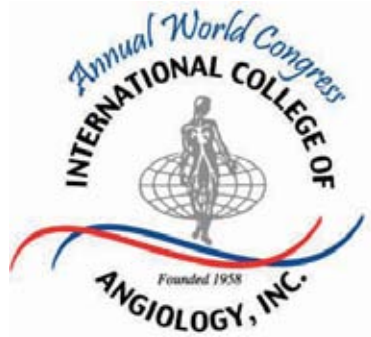
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56th Annual World Congress ▪ ICA 2014

International College of Angiology

Hilton Hotel at Easton Town Center
Columbus, Ohio ▪ September 18-20, 2014

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International Journal of Angiology

*Official Journal of the International College of Angiology
An Official Publication of the International College of Surgeons
An Official Publication of the Asian Society for Vascular Surgery*

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International College of Angiology

Founding Fathers and Past Congresses

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.

<u>Year</u>		<u>Venue</u>
1958	1 st Annual Meeting	Atlantic City, New Jersey
1959	2 nd Annual Meeting	Mexico City, Mexico
1960	3 rd Annual Meeting	
1961	4 th Annual Meeting	
1962	5 th Annual Meeting	Las Vegas, Nevada
1963	Caribbean Conference on Angiology	San Juan, Puerto Rico
1964	6 th Annual Meeting	
1965	7 th Annual Meeting	London, England
1966	8 th Annual Meeting	Madrid, Spain
1967	9 th Annual Meeting	Las Vegas, Nevada
1968	10 th Annual Meeting	Geneva, Switzerland
1969	11 th Annual Meeting	Rome, Italy
1970	12 th Annual Meeting	Dublin, Ireland
1971	13 th Annual Meeting	Copenhagen, Denmark
1972	14 th Annual Meeting	London, England
1973	15 th Annual Meeting	Lisbon, Portugal
1974	16 th Annual Meeting	Montreal, Canada
1974	French Scientific Congress	Paris, France
1975	17 th Annual Meeting	Herzalia, Israel
1976	18 th Annual Meeting	Tucson, Arizona
1977	19 th Annual Meeting	Dublin, Ireland
1978	20 th Annual Meeting	Marbella, Spain
1979	21 st Annual Meeting	St. Louis, Missouri
1980	22 nd Annual Meeting	Vienna, Austria
1981	23 rd Annual Meeting: Part I	Zurich, Switzerland
1981	23 rd Annual Meeting: Part II	Lisbon, Portugal
1982	24 th Annual Meeting	Antwerp, Belgium
1983	25 th Annual Meeting	Killarney, Ireland
1984	26 th Annual Meeting	San Antonio, Texas
1985	27 th Annual Meeting	Hilton Head, South Carolina
1986	28 th Annual Meeting	Nice, France
1987	29 th Annual Meeting	Montreux, Switzerland
1988	30 th Annual Meeting	Amsterdam, The Netherlands
1989	31 st Annual Meeting	Rome, Italy
1990	32 nd Annual Meeting	Toronto, Canada
1991	33 rd Annual Meeting	Singapore
1992	34 th Annual Congress	Budapest, Hungary
1993	35 th World Congress	Copenhagen, Denmark
1994	36 th World Congress	New York, New York
1995	37 th World Congress	Helsinki, Finland
1996	38 th World Congress	Cologne, Germany
1997	39 th Annual World Congress	Istanbul, Turkey
1998	40 th Annual World Congress	Lisbon, Portugal
1999	41 st Annual World Congress	Sapporo, Japan
2000	42 nd Annual World Congress	San Diego, California
2001	43 rd Annual World Congress	Berlin, Germany
2002	44 th Annual World Congress	New York, New York
2003	45 th Annual World Congress	Indianapolis, Indiana
2004	46 th Annual World Congress	Lexington, Kentucky
2005	47 th Annual World Congress	Uncasville, Connecticut
2006	48 th Annual World Congress	Charlotte, North Carolina
2007	49 th Annual World Congress	Vancouver, Canada
2008	50 th Golden Anniversary Congress	Tokyo, Japan
2009	51 st Annual World Congress	Beijing, China
2010	52 nd Annual World Congress	Lexington, Kentucky
2011	53 rd Annual World Congress	Bali, Indonesia
2012	54 th Annual World Congress	Innsbruck, Austria
2013	55 th Annual World Congress	New Haven, Connecticut

56th Annual World Congress

General Program Information

Congress Description/Objectives

The overall mission of the 56th 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.

The ICA Annual World Congress provides 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.

This Congress is designed 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 diseases. The congress is intended to provide an in-depth review of the spectrum of topics related to the management and new treatment modalities, including diagnosis, assessment, intervention, risk factors management and surgery.

At the conclusion of this activity, the attendees should be more confident in their ability to:

1. Examine concepts related to cardiovascular diseases.
2. Discuss strategies to improve patient outcomes in managing cardiovascular diseases.
3. Analyze treatment strategies that involve complex patient situations with multiple contributing risk factors.

Learning Objectives

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

- Describe 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.
- Define the treatment options of patients with abdominal aortic aneurysms to minimize morbidity and mortality.
- 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, special guest lectures 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.

Disclaimer

The information provided at this CME activity is for continuing education purposes only, and not meant to substitute for independent medical judgment of a physician relative to diagnostic and treatment options of a specific patient's medical condition.

Instruction to Speakers

We remind speakers presenting submitted oral papers their presentations are limited to ten (10) minutes with an invited discussion following the session. Speakers presenting submitted poster presentations must limit their presentation to seven (7) minutes. **All presentations (ORAL and POSTER) are to be given in PowerPoint. Speakers are required to submit their presentations via E-Mail (PC format for Windows XP) to our Executive Director NO LATER THAN September 1, 2014. 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

Hilton Hotel at Easton Town Center

3900 Chagrin Drive, Columbus, Ohio
Tel. +614.414.5000

Location

See the map below for the location of Congress. The ICA Annual Congress will take place at the Hilton Hotel Easton Town Center in Columbus. The hotel is ten minutes from downtown Columbus and 15 minutes from Ohio State University. Port Columbus International Airport is just four miles away.

Attire

Smart casual attire will be appropriate for almost all congress activities. However, business attire is required during the Opening Ceremony.

Name Badges

Please obtain your Congress name badge and all congress materials at the ICA Registration Desk. We ask that you wear your name badge at all group sponsored functions. It will help you get acquainted with your colleagues.

Directions from Port Columbus International Airport

Head north on 3rd street to 670 East to 270 North take exit #33 (Easton). Left at the top of the ramp onto Easton Way. Through two lights. Take first right after second light onto Chagrin Drive. Right into hotel front entrance. Parking surrounds the hotel.



Registration Desk Hours

Thursday, September 18th	7:00 am – 4:00 pm
Friday, September 19th	7:00 am – 4:00 pm
Saturday, November 9th	7:00 am – 11:30 am

Scientific Sessions

Please check the “reader board” at the Hilton Hotel for room assignment of the Scientific Sessions of the 56th Annual World Congress.

Messages

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

Social Program for the Congress

A comprehensive list of social events planned for our congress is located on page 28 of this program. CME not provided.

Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Ohio State Medical Association through the joint sponsorship of OhioHealth and the Annual World Congress of the International College of Angiology, Inc. OhioHealth is accredited by the OSMA to provide continuing medical education (CME) for physicians.

Faculty Disclosure Policy

As an accredited CME provider, OhioHealth must insure balance, independence, objectivity, and scientific rigor in all educational activities they sponsor. Faculty and planners participating in sponsored activities must disclose any significant financial interests or other relationships. Any potential conflicts of interest will be resolved and revealed in the course syllabus.

Speakers/Moderators/Planners Conflict of Interest Statements

As a CME-accredited institution, OhioHealth must be in compliance with the ACCME Standards for Commercial Support. Therefore, any faculty making a presentation at a designated CME activity must disclose any financial interest or relationship they have with the manufacturers of any commercial products, as well as any investigational/unapproved use of a commercial product, that may be discussed in the educational presentation.

OhioHealth does not imply that such financial interest, relationship or unapproved use is inherently improper or that it would prevent the speaker from making a balanced presentation. However, we are required to disclose this information to all participants at any designated CME activity prior to the presentation so that the audience may form their own judgments about the presentations.

Identified Conflicts of Interest: The speakers below have indicated a financial interest/relationship with the following:

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Ronald Budzik, MD On the Speaker's Bureau and a Consultant/Advisor for Stryker Neurovascular; On the Speaker's Bureau for Covidien Neurovascular

John A. Elefteriades, MD Consultant, Advisor to Cryolife, Covidien and Datascope; Stock Ownership in Coolspine; Received a research grant from the National Marfan Foundation

Mark K. Eskandari, MD Consultant, Advisor to Endologix as a PEVAR course director, W.L. Gore as a TEVAR course director, Prairie Education and Research Cooperative (Bard) for service on the LEVANT 2 clinical events committee, Silk Road Medical, Inc. for service on the Roadster clinical events committee

Randall W. Franz, MD, FACS, RVT Consultant, Advisor to Boston Scientific

Vikram S. Kashyap, MD On the Steering Committee for a trial investigating MST-188 in the setting of Acute Limb Ischemia

Raghu Kolluri, MD On the speaker's bureau and a consultant/advisor for Covidien; Consultant/Advisor for Arstasis

Joseph V. Lombardi, Sr., MD Consultant/Advisor and Recipient of a Research Grant from Cook Medical

Alan B. Lumsden, MD, ChB No Disclosure Received

John A. Phillips, MD On the speaker's bureau for AstraZeneca, Cook Medical, Cordis and Endologix

Darren B. Schneider, MD Consultant/Advisor and Research Grant Recipient for Cook, Inc., W.L. Gore, and Bard; Consultant/Advisor for Boston Scientific

Michael B. Silva, Jr., MD No Disclosure Received

Mitchel Silver, DO No Disclosure Received

Bauer E. Sumpio, MD, PhD On the speaker's bureau for Janssen Pharmaceutica

All potential conflicts of interest listed above have been resolved by review of the presentation for evidence-based content, balance and absence of bias. All presentations were reviewed and approved.

The remaining speaker(s), moderator(s) and planner(s) have indicated that they do not have any financial interest or relationship with the manufacturers of any commercial products that may be discussed in this presentation.

Perti Aarnio, MD, PhD, Elie D. Aboulafia, MD, MSc, RVT, RPVI, Dicky Aligheri, MD, Benedict Azucena, MD, Francine Baker, BS, Sylvester M. Black, MD, PhD, Geoffrey Blossom, MD, Annamarie Borja, MD, Richard Cambria, MD, Greg Campbell, BSRT(R), John B. Chang, MD, Gautham Chitragari, MBBS, Anthony J. Comerota, MD, Iwan Dakota, MD, PhD, Indu Dhar, PhD, Kelly Dials, RN, MSN, NE-BC, CNRN, Dawnyel Donaldson, BSN, RN, CCRN, Otto O. Ettala, MD, Petr Hájek, MD, PhD, Pankaj K. Handa, MD, George L. Hines, MD, Norm Honecker, RN, Jill Lynch, BS, Gary L. Murray, MD, Otmar M. Pachinger, MD, Kailash Prasad, MD, PhD, Jodie Przybylski, MSN, RN, Kimnlyn N. Queen, MSN, CRA, FAHRA, SSB, RT(R), CTMR, Edward Ross, MD, Denise M. Rossignol, BS, Siby P. Saha, MD, MBA, Valerie Seus, MBA, BSIE, BSN, RN, CNOR, Sherif Y. Shalaby, MD, Rajinder P. Sharma, MD, Anne Marie Sims, MBA, Ismoyo Sunu, MD, PhD, Melissa Swallie, BSN, RN, PCCN, Tahir Tak, MD, PhD, Frank J. Veith, MD, Josef Veselka, MD, PhD, Thomas F. Whayne, Jr., MD, PhD, Michael K. Wiles, MBA, BSMT, Michael A. Winkler, MD, Malka Yahalom, MD, DSc, Wei Zhou, MD

**56th Annual World Congress
Hilton Hotel at Easton Town Center
Columbus, Ohio • September 18-20, 2014**

Local Organizing Committee Chairman Welcome Address



**Randall W. Franz, MD, FACS, RVT, FICA
Assistant Professor of Surgery, Ohio State University
Associate Professor of Surgery, Ohio University
Columbus, Ohio**

Dear Colleagues,

It is my honor to welcome you to the 56th Annual World Congress of the International College of Angiology being held in Columbus, Ohio, from September 18-20, 2014 at the beautiful Hilton Columbus at Easton. This academic forum is jointly sponsored by OhioHealth Continuing Medical Education in cooperation with Grant Medical Center for those physicians and allied healthcare personnel interested in research, education, and clinical investigation in the field of cardiovascular medicine and surgery.

As the 15th largest city in the United States and the largest city in Ohio, Columbus has much to experience and enjoy! In addition to attending the meeting, I hope that you take the time to explore Easton Town Center. With over 21 million visitors each year, Easton offers premier retailers, excellent restaurants, and diverse entertainment venues. The Columbus Museum of Art, Franklin Park Conservatory, the Short North District, and German Village are just a few additional points of interest for you to visit during your stay in Columbus – the capital of Ohio.

I look forward to personally welcoming you to Columbus in September 2014. May you connect with old friends, create new friendships, enjoy this fabulous city, and leave with cutting edge clinical knowledge that will benefit the patients that you serve.

Respectfully yours,

Randall W. Franz MD, FACS, RVT, FICA
Local Organizing Committee Chairman
Chief Vascular & Endovascular Surgery
Medical Director Grant Vascular & Vein Center
Assistant Professor of Surgery Ohio State University
Associate Professor of Surgery Ohio University

56th Annual World Congress Program Chairman's Welcome Address



John B. Chang, MD, FACS, FICA
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, Uniondale, New York
Adjunct Professor, Clinical Surgery, Albert Einstein College of Medicine, Bronx, New York

Dear Members and Guests,

It is my distinguished honor and privilege to welcome you to the 56th Annual World Congress of the International College of Angiology in the picturesque city of Columbus. I would like to take this opportunity to express my personal gratitude to Randall W. Franz, MD, FACS, RVT, FICA, Chairman, Local Organizing Committee for arranging this year's venue, and to Mrs. Dawn Franz, Chairperson of the Social Program, for her dedication and hard work in providing for planned social events during this wonderful Congress.

During this Congress, there will be discussions involving basic and clinical sciences in the cardiovascular disciplines, updates in the cardiovascular surgical arena including cutting edge technology for endovascular and complex open surgical procedures. Mr. David Blom, President and CEO of OhioHealth, has prepared a special welcome address on behalf of the local community. It is our honor and pleasure to welcome Professor Michael B. Silva as an Honorary Fellow of the International College of Angiology during this Congress. Professor Silva will give a special address which will be of interest to all. As part of our tradition and legacy, this year's Professor John B. Chang Research Achievement Award Recipient will be bestowed upon Professor Edward Ross, a renowned cardiologist in Indianapolis. There are many prominent surgeons, clinicians, interventionalists, scientists and researchers who will be attending the congress, discussing various aspects of cardiovascular topics, debates and discussions. In addition to the oral presentations, there will be a poster session as well as a Young Investigators Award presentation.

Our members, guests and their families will enjoy not only our academic forum, but also some very special social events which have been arranged by our Local Auxiliary Committee. It is my hope that during this Congress you will experience the spectacular autumn season in the beautiful city of Columbus. The ICA Congress will also offer you opportunities to renew old friendships and make new friends. Our officers and members of the local organizing committee will be there to assist you in making your stay a most enjoyable and comfortable one.

I look forward to greeting you personally at the Congress.

Sincerely,

A handwritten signature in black ink, appearing to read "John B. Chang, MD, FACS, FICA". The signature is fluid and cursive.

John B. Chang, MD, FACS, FICA
Chairman, Board of Directors
Scientific Program Chairman

56th Annual World Congress

President's Address



Univ.-Prof. Dr. Otmar M. Pachinger, MD, FESC, FAHA, FICA
Professor Emeritus, Distinguished Professor of Cardiology
Medical University of Innsbruck
President, International College of Angiology
President, Austrian Heart Foundation
Innsbruck, Austria

Dear Colleagues,

It is a great pleasure and honor for me to welcome you to the 56th Annual World Congress of the International College of Angiology here in Columbus, Ohio.

Since the charter of the International College in 1958 cardiovascular medicine has evolved and expanded tremendously and integrated all disciplines for an improved management of cardiovascular disease.

In today's fast changing global health care environment, the College's aspiration is to contribute to all these directions. Together with our excellent network of academic partners, we continue to extend the frontiers of available cardiovascular capabilities. The College is responsible to make all innovations and diagnostic and treatment possibilities accessible to more patients around the world.

I am very proud to have been able to serve as President of the International College of Angiology for the past 2 years and I am looking forward to an exciting meeting here in Columbus, Ohio, and would like to express my thanks to the Local Organizing Committee for an excellent preparation and outstanding job!

Sincerely,

Univ.Prof.Dr. Otmar Pachinger. MD , FICA, FESC, FAHA
Professor Emeritus
Distinguished Professor of Cardiology
Medical University of Innsbruck, Austria
President, International College of Angiology
President, Austrian Heart Foundation

ICA 2014 • SCIENTIFIC PROGRAM AT-A-GLANCE

Thursday September 18, 2014		Friday September 19, 2014		Saturday September 20, 2014	
8:00 8:15	Opening Ceremony Opening Remarks	7:30 8:00	Scientific Poster Presentations	7:30	Prof. Albert Senn Memorial Lecture Complex Vascular Procedures John B. Chang, MD
8:15	ICA Honorary Fellow Special Lecture The Changing Tides of Healthcare and How the Affordable Care Act will Impact Contemporary Surgical Practices Michael B. Silva, Jr., MD	7:30	Comparison of Cardiac MRI and Echocardiography Derived Ejection Fraction in Doxorubicin-Induced Cardiomyopathy Tahir Tak, MD, PhD	8:00	Prof. Kailash Prasad Oration Lecture Health Care: A Challenge for America Sibu P. Saha, MD, MBA
		7:37	Venous Thromboembolism Prophylaxis in Hospitalized Patients at Tan Tock Seng Hospital, Singapore Pankaj K. Handa, MD	8:30	Prof. John B. Chang Research Achievement Award Edward Ross, MD
8:45 10:15	Lower Extremity Vascular Disease—Current Management—Medical, Endovascular and Open Procedures	8:00 11:15	CEA and CAS	8:45 11:10	Ongoing Controversies in Coronary Revascularization and Clinical Cardiology
		8:00	Techniques of Carotid Endarterectomy John B. Chang, MD	8:45	Revascularization in Multi-vessel CAD—PCI vs. CABG for Non-Diabetic and Diabetic Patients Otmar M. Pachinger
8:45	Expanding the Use of Covered Stents in Contemporary Vascular Practice Michael B. Silva, Jr., MD	8:30	Assessing the Embolization Potential of Carotid Plaque Vikram Kashyap, MD	9:15	Twenty-Years of Research on Alcohol Septal Ablation for Hypertrophic Obstructive Cardiomyopathy Joseph Veselka, MD, PhD
		9:00	Timing of CEA after Acute Stroke and TIA Mark Eskandari, MD	9:45	Lipid Core Reduction after PCI Petr Hájek, MD, PhD
9:30	Your Life on Drugs: Treatment of Peripheral Vascular Disease with Chemically Covered Stents and Balloons Gary M. Ansel, MD	9:30	“Stop the Stroke”—Emergent Stroke Intervention Ronald Budzik, MD		
10:15 10:30	COFFEE BREAK	10:00 10:15	COFFEE BREAK	10:15 10:30	COFFEE BREAK
10:30 12:00	Venous Disease Treatment	10:15	What is the Present and Possible Future Role of CAS for the Treatment of Carotid Stenosis? Symptomatic and Asymptomatic Frank J. Vieth, MD	10:30	Update on Carotid Stents Josef Veselka, MD, PhD
10:30	Evolving Technologies in Superficial Venous Interventions Raghu Kolluri, MD	10:45	What are the Indications for Carotid Endarterectomy and Carotid Artery Stenting? Asymptomatic Alan B. Lumsden, MD, ChB, RVT	11:00	Prof. Hans J. Hachen Memorial Lecture Atherosclerosis Prevention by Pentoxifylline Kailash Prasad, MD, PhD
11:15	Management of Acute and Chronic Iliofemoral Venous Occlusion Anthony J. Comerota, MD	11:15 12:00	Debate on CEA vs. CAS in the Management of Symptomatic and Asymptomatic Carotid Artery Stenosis Frank J. Veith, MD vs. Alan B. Lumsden, MD, ChB, RVT	11:30	Prof. John B. Chang Oration Lecture Autologous Stem Cells for Critical Limb Ischemia Randall W. Franz, MD
				12:00 12:30	Aortic Dissection Associated with Cardiac Tamponade and Coronary Malperfusion, Aortic Stenting and Vein Thrombosis in CKD
12:00 1:00	LUNCHEON BREAK Luncheon Lectures	12:00 1:00	LUNCHEON BREAK Luncheon Lectures	12:00	Endovascular Aortic Stenting: Indonesia's Experience Iwan Dakota, MD, PhD
12:00	New Oral Anticoagulants: Are they Game Changers for our Patients? Bauer E. Sumpio, MD, PhD	12:00 12:30	Characterization of Inflow & Outflow Channels of Endoleaks by Computed Tomographic Angiography— Technical Considerations, Methods of Interpretation and Clinical Significance Michael A. Winkler, MD		12:10
12:30 1:00	Peripheral Arterial Disease and Pulmonary Embolism	12:30 1:00	Young Investigator Award Presentation Methylglyoxal Upregulates Renin Angiotensin Aldosterone System & Contributes to the Development of Hypertension Indu Dhar, PhD	12:20	Fatal and Rare Combination of Type A Aortic Dissection, Pericardial Tamponade and Coronary Malperfusion Dicky Aligheri, MD

12:30	Treatment of Sub-massive Pulmonary Embolism at a Tertiary Center using Low-Dose Catheter-Directed Thrombolysis John A. Phillips, MD	1:00 2:00	EVAR for the Treatment of AAA's and Current Practice for TEVAR	12:30	ICA Business Meeting Vice Presidents, Officers, Scientific Committee, Editors
		1:00	Present Status of EVAR for Treating Ruptured AAA's Including the Impact of RCT's Frank J. Veith, MD	CONGRESS ADJOURNS	
12:40	Clinical Outcomes of Carotid Stenting Performed at a Tertiary Care Community Hospital—A Multi-Specialty Approach Mitchel Silver, DO	1:30	Update and Current Practices for TEVAR Alan B. Lumsden, MD, ChB, RVT		
12:50	Erectile Dysfunction and Peripheral Arterial Disease Otto O. Ettala, MD				
1:00 4:30	Aortic Aneurysms	2:00 3:30	Preventive Management of Cardiovascular Disease and an Update in the Medical Management of Coronary Artery Disease		
1:00	Endovascular Management of Paravisceral and Thoracoabdominal Aortic Aneurysms—An Update Darren B. Schneider, MD	2:00	Does Oxidative Stress Play a Role in the Added Sugar-induced Cardiovascular Disease? Kailash Prasad, MD, PhD		
1:30	Management of Complicated Type B Aortic Dissection Joseph V. Lombardi, Sr., MD	2:30	Cardiovascular Physiology & Disease Prevention at High Altitude Thomas F. Whayne, Jr., MD, PhD		
2:00	Surgical Management of Thoracic Aortic Aneurysms—Tips and Tricks John A. Elefteriades	3:00	Sympathovagal Balance—Prognostic Indicator for Coronary Disease and Congestive Heart Failure Gary L. Murray, MD		
2:30	Genetic Impact of Aortic Aneurysms John A. Elefteriades, MD	3:10	Chest Irradiation Associated Cardiovascular Disease Malka Yahalom, MD, DSc		
3:00	COFFEE BREAK	3:30	COFFEE BREAK		
3:15	Outcome and Management of Type II Endoleaks Wei Zhou, MD	3:45 4:30	Thrombosis, Diabetic Foot and Hypogastric Artery Embolization in Obstetrics and Gynecology		
3:45	Update on Open Repair of Thoracic and Thoracoabdominal Aortic Aneurysms Richard Cambria, MD	3:45	Arterial and Venous Thrombosis with Protein C Deficiency Presenting as Cerebral Infarct and Pulmonary Embolism Benedict Azucena, MD		
4:30 5:00	Matrix Vascular Patch in Carotid Endarterectomy and Complications of Aortic Valve Replacement	3:55	Favorable Outcome of Two Cases of Elderly Patients with First Presentation of May-Thurner Syndrome (MTS) Treated with Thrombolysis Followed by Stenting Annamarie Borja, MD		
4:30	Vascular Complications Associated with Transfemoral Aortic Valve Replacement George L. Hines, MD	4:05	Prevalence, Trends and Magnitude of Diabetic Foot Amputation in Egypt Sherif Shalaby, MD		
4:40	Prospective Evaluation of an Extracellular Matrix Vascular Patch in Carotid Endarterectomy Geoffrey Blossom, MD	4:15	Lessons Learned from Hypogastric Artery Ligation or Embolization in Obstetrics and Gynecology Patients Gautham Chitragari, MBBS		
5:00	ICA Business Meeting Board of Directors Meeting	4:30 5:00	Normothermic Ex-Vivo Liver Perfusion as a Platform for the Assessment and Repair of Marginal Donor Organs Sylvester M. Black, MD, PhD		
7:00	56 th Annual World Congress Welcome Reception New Albany Country Club	5:30 7:00	Evening Cocktail Hour Hilton Hotel Easton Town Center		

**56th Annual World Congress
Hilton Hotel ▪ Easton Center
Columbus, Ohio
September 18, 19, 20, 2014**

Scientific Program

Thursday, September 18, 2014

8:00 am – 8:15 am

Opening Remarks and Introductions

Master of Ceremonies

Introduction By:

Randall W. Franz, MD, FACS, RVT, FICA

Associate Professor of Surgery, Ohio University School of Medicine, Columbus, Ohio; Adjunct Assistant Professor of Surgery, Ohio State University School of Medicine, Columbus, Ohio; Chief, Vascular and Endovascular Surgery; Medical Director, Grant Vascular and Vein Center, Columbus, Ohio; Treasurer and Member, Board of Directors, International College of Angiology; Chairman, Local Organizing Committee, 56th Annual World Congress, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

President

Univ.-Prof. Dr. Otmar M. Pachinger, MD, FESC, FAHA, FICA

Professor Emeritus, Distinguished Professor of Cardiology, Medical University of Innsbruck, Innsbruck, Austria; President, Austrian Heart Foundation; President and Member, Board of Directors, International College of Angiology; Senior Editor, *International Journal of Angiology*.

Program Chairman

John B. Chang, MD, FACS, FICA

Professor, Clinical Surgery, Hofstra LIJ-Northshore School of Medicine, Uniondale, New York; Adjunct Professor, Clinical Surgery, Albert Einstein College of Medicine, Bronx, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Founding Chairman, Asian Society for Vascular Surgery; Chairman, Scholarship Committee, and First Vice-President, Society of Honorary Police Surgeons, City of New York, New York, New York; Director, Long Island Vascular Center, Roslyn.

Chairman, Scientific Committee

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; Consulting Editor, *International Journal of Angiology*; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Local Organizing Committee Chairman

Randall W. Franz, MD, FACS, RVT, FICA

Associate Professor of Surgery, Ohio University School of Medicine, Columbus, Ohio; Adjunct Assistant Professor of Surgery, Ohio State University School of Medicine, Columbus, Ohio; Chief, Vascular and Endovascular Surgery; Medical Director, Grant Vascular and Vein Center, Columbus, Ohio; Treasurer and Member, Board of Directors, International College of Angiology; Chairman, Local Organizing Committee, 56th Annual World Congress, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

Welcome Address

David P. Blom

President and Chief Executive Officer, OhioHealth, Columbus, Ohio.

Presidential Address

Univ.-Prof. Dr. Otmar M. Pachinger, MD, FESC, FAHA, FICA

Professor Emeritus, Distinguished Professor of Cardiology, Medical University of Innsbruck, Innsbruck, Austria; President, Austrian Heart Foundation; President and Member, Board of Directors, International College of Angiology; Senior Editor, *International Journal of Angiology*.

Opening Address

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

Professor, Clinical Surgery, Hofstra LIJ-Northshore School of Medicine, Uniondale, New York; Adjunct Professor, Clinical Surgery, Albert Einstein College of Medicine, Bronx, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Founding Chairman, Asian Society for Vascular Surgery; Chairman, Scholarship Committee, and First Vice-President, Society of Honorary Police Surgeons, City of New York, New York, New York; Director, Long Island Vascular Center, Roslyn, New York.

Scientific Sessions

Thursday, September 18, 2014 (Continued)

8:15 am – 8:45 am

First Scientific Session

International College of Angiology Honorary Fellow Presentation and Special Lecture

Introduction By:

Randall W. Franz, MD, FACS, RVT, FICA

Assistant Professor of Surgery, Ohio State University School of Medicine, Columbus, Ohio; Associate Professor of Surgery, Ohio University School of Medicine, Columbus, Ohio; Chief, Vascular and Endovascular Surgery, Grant Medical Center, Columbus, Ohio; Treasurer and Member, Board of Directors, International College of Angiology; Chairman, Local Organizing Committee, 56th Annual World Congress, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

Presentation:

The Changing Tides of Healthcare and How the Affordable Health Care Act will Impact Contemporary Surgical Practice

Michael B. Silva, Jr., MD, FACS, FICA

Fred J. and Dorothy E. Wolma Professor in Vascular Surgery; Professor of Radiology: Chief, Division of Vascular Surgery and Endovascular Therapy; Director, Texas Vascular Center, University of Texas Medical Branch, Galveston, Texas.

Questions and Answers with Audience Participation

8:45 am – 10:15 am

Second Scientific Session

Lower Extremity Vascular Disease—Current Management—Medical, Endovascular and Open Procedures

Moderators:

Pertti Aarnio, MD, PhD, FICA

Professor of Surgery, University of Turku, Pori, Finland; Member, Board of Directors and Co-Chairperson, Scientific Committee, International College of Angiology; Treasurer, International College of Angiology; Senior Editor, *International Journal of Angiology*.

Randall W. Franz, MD, FACS, RVT, FICA

Assistant Professor of Surgery, Ohio State University School of Medicine, Columbus, Ohio; Associate Professor of Surgery, Ohio University School of Medicine, Columbus, Ohio; Chief, Vascular and Endovascular Surgery, Grant Medical Center, Columbus, Ohio; Treasurer and Member, Board of Directors, International College of Angiology; Chairman, Local Organizing Committee, 56th Annual World Congress, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

8:45 **Expanding the Use of Covered Stents in Contemporary Vascular Practice:** Michael B. Silva, Jr., MD, FACS, FICA, Fred J. and Dorothy E. Wolma Professor in Vascular Surgery; Professor of Radiology; Chief, Division of Vascular Surgery and Endovascular Therapy; Director, Texas Vascular Center, University of Texas Medical Branch, Galveston, Texas.

9:30 **Your Life on Drugs: Treatment of Peripheral Vascular Disease with Chemically Covered Stents and Balloons:** Gary M. Ansel, MD, FACC, Clinical Assistant Professor of Medicine, Department of Internal Medicine, University of Toledo Medical School, Toledo, Ohio; System Medical Chief, Vascular Program, OhioHealth, Columbus, Ohio.

Questions and Answers with Audience Participation

10:15

COFFEE BREAK

10:30 am – 12:00 Noon

Third Scientific Session

Venous Disease Treatment

Moderators:

Pertti Aarnio, MD, PhD, FICA

Professor of Surgery, University of Turku, Pori, Finland; Member, Board of Directors and Co-Chairperson, Scientific Committee, International College of Angiology; Treasurer, International College of Angiology; Senior Editor, *International Journal of Angiology*.

Randall W. Franz, MD, FACS, RVT, FICA

Assistant Professor of Surgery, Ohio State University School of Medicine, Columbus, Ohio; Associate Professor of Surgery, Ohio University School of Medicine, Columbus, Ohio; Chief, Vascular and Endovascular Surgery, Grant Medical Center, Columbus, Ohio; Treasurer and Member, Board of Directors, International College of Angiology; Chairman, Local Organizing Committee, 56th Annual World Congress, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

10:30 **Evolving Technologies in Superficial Venous Interventions:** Raghu Kolluri, MD, RVT, RPVI, FACC, FACP, FSVM, Medical Director, Vascular Medicine, Mid-Ohio Cardiovascular, Columbus, Ohio.

11:15 **Management of Acute and Chronic Iliofemoral Venous Occlusion:** Anthony J. Comerota, MD, FACS, FACC, Director, Jobst Vascular Institute, Toledo, Ohio; Adjunct Professor of Surgery, The University of Michigan School of Medicine, Ann Arbor, Michigan.

Questions and Answers with Audience Participation

Scientific Sessions

Thursday, September 18, 2014 (Continued)

12:00 Noon – 1:00 pm

LUNCHEON BREAK

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12:00 Noon – 12:30 pm

Fourth Scientific Session

New Oral Anticoagulants: Are they Game Changers for our Patients?

A Special Luncheon Lecture

Introduction By:

John B. Chang, MD, FACS, FICA

Professor, Clinical Surgery, Hofstra LIJ-Northshore School of Medicine, Uniondale, New York; Adjunct Professor, Clinical Surgery, Albert Einstein College of Medicine, Bronx, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Founding Chairman, Asian Society for Vascular Surgery; Chairman, Scholarship Committee, and First Vice-President, Society of Honorary Police Surgeons, City of New York, New York, New York; Director, Long Island Vascular Center, Roslyn.

Presentation By:

Bauer E. Sumpio, MD, PhD, FACS

Professor of Surgery and Radiology, Yale University School of Medicine, New Haven, Connecticut; Chief, Vascular Surgery Service, Yale-New Haven Hospital, New Haven, Connecticut; Senior Editor, *International Journal of Angiology*.

Questions and Answers with Audience Participation

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12:30 pm – 1:00 pm

Fifth Scientific Session

Peripheral Arterial Disease and Pulmonary Embolism

Moderators:

John B. Chang, MD, FACS, FICA

Professor, Clinical Surgery, Hofstra LIJ-Northshore School of Medicine, Uniondale, New York; Adjunct Professor, Clinical Surgery, Albert Einstein College of Medicine, Bronx, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Founding Chairman, Asian Society for Vascular Surgery; Chairman, Scholarship Committee, and First Vice-President, Society of Honorary Police Surgeons, City of New York, New York, New York; Director, Long Island Vascular Center, Roslyn.

Wei Zhou, MD, FACS, FICA

Professor of Surgery, Stanford University School of Medicine, Stanford, California; Chief, Vascular Surgery, VA Palo Alto Health Care System, Palo Alto, California; Member, Editorial Board, *International Journal of Angiology*.

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- 12:30 **Treatment of Sub-massive Pulmonary Embolism at a Tertiary Center using Low-Dose Catheter-Directed Thrombolysis:**
John A. Phillips, MD, FACC, OhioHealth Heart and Vascular Physicians, Columbus, Ohio.
- 12:40 **Clinical Outcomes of Carotid Stenting Performed at a Tertiary Care Community Hospital—A Multi-Specialty Approach:**
Mitchel Silver, DO, FACC; Department of Cardiology, OhioHealth Riverside Methodist Hospital, Columbus, Ohio.
- 12:50 **Erectile Dysfunction and Peripheral Arterial Disease:** Otto O. Ettala, MD; Department of Urology, Turku University Hospital, Turku, Finland.

Questions and Answers with Audience Participation

Scientific Sessions

Thursday, September 18, 2014 (Continued)

1:00 pm – 4:30 pm
Sixth Scientific Session
Aortic Aneurysms

Moderators:

John B. Chang, MD, FACS, FICA

Professor, Clinical Surgery, Hofstra LJ-Northshore School of Medicine, Uniondale, New York; Adjunct Professor, Clinical Surgery, Albert Einstein College of Medicine, Bronx, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Founding Chairman, Asian Society for Vascular Surgery; Chairman, Scholarship Committee, and First Vice-President, Society of Honorary Police Surgeons, City of New York, New York; Director, Long Island Vascular Center, Roslyn.

John A. Elefteriades, MD, FACS, 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; Co-Editor-in-Chief, *International Journal of Angiology*; Director, Aortic Institute at Yale-New Haven, Yale University School of Medicine, New Haven, Connecticut.

- 1:00 **Endovascular Management of Para-Visceral and Thoracoabdominal Aortic Aneurysms—An Update:** Darren B. Schneider, MD, FACS, FICA, Associate Professor, Department of Surgery, Weill Cornell Medical College; Chief, Vascular and Endovascular Surgery, New York Presbyterian, Weill Cornell Medical Center, New York, New York; Member, Editorial Board, *International Journal of Angiology*.
- 1:30 **Management of Complicated Type B Aortic Dissection:** Joseph V. Lombardi, Sr., MD, FACS, Chief, Division of Vascular and Endovascular Surgery; Associate Professor of Surgery, Cooper Medical School of Rowan University, Director, Cooper Aortic Center, Camden, New Jersey.
- 2:00 **Surgical Management of Thoracic Aortic Aneurysms—Tips and Tricks:** John A. Elefteriades, MD, FACS, 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; Co-Editor-in-Chief, *International Journal of Angiology*; Director, Aortic Institute at Yale-New Haven, Yale University School of Medicine, New Haven, Connecticut.
- 2:30 **Genetic Impact of Aortic Aneurysms:** John A. Elefteriades, MD, FACS, 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; Co-Editor-in-Chief, *International Journal of Angiology*; Director, Aortic Institute at Yale-New Haven, Yale University School of Medicine, New Haven, Connecticut.

3:00 **COFFEE BREAK**

- 3:15 **Outcome and Management of Type II Endoleaks:** Wei Zhou, MD, FACS, FICA, Professor of Surgery, Stanford University School of Medicine, Stanford, California; Chief, Vascular Surgery, VA Palo Alto Health Care System, Palo Alto, California; Member, Editorial Board, *International Journal of Angiology*.
- 3:45 **Update on Open Repair of Thoracic and Thoracoabdominal Aortic Aneurysms:** Richard Cambria, MD, FACS, Chief, Vascular and Endovascular Surgery, Massachusetts General Hospital, Boston, Massachusetts; Robert R. Linton MD Professor of Vascular and Endovascular Surgery, Harvard Medical School, Boston, Massachusetts.

Questions and Answers with Audience Participation

4:30 pm – 5:00 pm
Seventh Scientific Session

Matrix Vascular Patch in Carotid Endarterectomy and Complications of Aortic Valve Replacement

Moderators:

John A. Elefteriades, MD, FACS, 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; Co-Editor-in-Chief, *International Journal of Angiology*; Director, Aortic Institute at Yale-New Haven, Yale University School of Medicine, New Haven, Connecticut.

Sibu P. Saha, MD, MBA, FACS, FICA

Professor of Surgery and Bioengineering; Chief, Division of Cardiovascular and Thoracic Surgery; Frank C. Spender, MD Endowed Chair in Surgery; Chairman, Directors Council, Gill Heart Institute, University of Kentucky College of Medicine, Lexington, Kentucky; Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

- 4:30 **Vascular Complications Associated with Transfemoral Aortic Valve Replacement:** George L. Hines, MD, FACS, Chief, Division of Vascular Surgery, Department of Thoracic and Cardiovascular Surgery, Winthrop University Hospital, Mineola, New York; Department of Surgery, SUNY Stony Brook, Stony Brook, New York.
- 4:40 **Prospective Evaluation of an Extracellular Matrix Vascular Patch in Carotid Endarterectomy:** Geoffrey Blossom, MD, FACS, Riverside Methodist Hospital, Columbus, Ohio.

Questions and Answers with Audience Participation

Accreditation

OhioHealth is accredited by the Ohio State Medical Association to provide continuing medical education (CME) for physicians. OhioHealth designates this live activity for a maximum of 7.75 AMA/PRA Category 1 credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in this activity.

Scientific Sessions

Friday, September 19, 2014

7:30 am – 8:00 am

Eighth Scientific Session

Scientific Poster Presentations

Moderators:

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; Consulting Editor, *International Journal of Angiology*; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Edward Ross, MD, FACC, FICA

Clinical Professor of Cardiology, Indiana University School of Medicine, Indianapolis, Indiana; Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

- 7:30 **Comparison of Cardiac MRI and Echocardiography Derived Ejection Fraction in Doxorubicin-Induced Cardiomyopathy:** Tahir Tak, MD, PhD, FICA, FACC, Division of Cardiovascular Diseases, Mayo Clinic Health System-Franciscan Healthcare, La Crosse, Wisconsin and Mayo Clinic, Rochester, Minnesota.
- 7:37 **Venous Thromboembolism Prophylaxis in Hospitalized Patients at Tan Tock Seng Hospital, Singapore:** Pankaj K. Handa, MD, MRCP(Ire), FRCP(Ire), FAMS(Int.Med.), FICA, Senior Consultant in Internal Medicine, Vascular Medicine and Hypertension, Department of General Medicine, Tan Tock Seng Hospital, Singapore; Associate Regional Secretary, International College of Angiology.

Questions and Answers with Audience Participation

8:00 am – 11:15 am

Ninth Scientific Session

CEA and CAS

Moderators:

John B. Chang, MD, FACS, FICA

Professor, Clinical Surgery, Hofstra LIJ-Northshore School of Medicine, Uniondale, New York; Adjunct Professor, Clinical Surgery, Albert Einstein College of Medicine, Bronx, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Founding Chairman, Asian Society for Vascular Surgery; Chairman, Scholarship Committee, and First Vice-President, Society of Honorary Police Surgeons, City of New York, New York, New York; Director, Long Island Vascular Center, Roslyn.

Wei Zhou, MD, FACS, FICA

Professor of Surgery, Stanford University School of Medicine, Stanford, California; Chief, Vascular Surgery, VA Palo Alto Health Care System, Palo Alto, California; Member, Editorial Board, *International Journal of Angiology*.

- 8:00 **Techniques of Carotid Endarterectomy:** John B. Chang, MD, FACS, FICA, Professor, Clinical Surgery, Hofstra LIJ-Northshore School of Medicine, Uniondale, New York; Adjunct Professor, Clinical Surgery, Albert Einstein College of Medicine, Bronx, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Founding Chairman, Asian Society for Vascular Surgery; Chairman, Scholarship Committee, and First Vice-President, Society of Honorary Police Surgeons, City of New York, New York, New York; Director, Long Island Vascular Center, Roslyn, New York.
- 8:30 **Assessing the Embolization Potential of Carotid Plaque:** Vikram S. Kashyap, MD, FACS, Professor of Surgery, Case Western University School of Medicine, Cleveland, Ohio; Chief and Program Director, Division of Vascular Surgery and Endovascular Therapy, Co-Director, Harrington Heart and Vascular Institute, Director, Vascular Center, University Hospitals Case Medical Center, Cleveland, Ohio.
- 9:00 **Timing of CEA after Acute Stroke and TIA:** Mark K. Eskandari, MD, FACS, The James S.T. Yao, MD, PhD, Professor of Education in Vascular Surgery; Professor, Feinberg School of Medicine, Northwestern University, Division of Vascular Surgery, Department of Radiology, and Division of Cardiology, Chicago, Illinois; Chief and Program Director, Division of Vascular Surgery, Northwestern Memorial Hospital, Chicago, Illinois.
- 9:30 **“Stop the Stroke”—Emergent Stroke Intervention:** Ronald F. Budzik, Jr., MD, Riverside Radiology and Interventional Associates, Co-Medical Director, Interventional Neuroradiology/Neurointerventional Surgery, Chair, Neuroscience Clinical Operations Council, Co-Director, Riverside Comprehensive Stroke Center, OhioHealth, Riverside Methodist Hospital, Columbus, Ohio.

10:00

COFFEE BREAK

- 10:15 **What is the Present and Possible Future Role of CAS for the Treatment of Carotid Stenosis? Symptomatic and Asymptomatic:** Frank J. Veith, MD, FACS, FICA, Honorary Fellow, International College of Angiology; Professor of Surgery, Cleveland Clinic, Cleveland Ohio and New York University, New York, New York; The William J. von Liebig Chair in Vascular Surgery, The Cleveland Clinic Foundation, Cleveland, Ohio.
- 10:45 **What are the Indications for Carotid Endarterectomy and Carotid Artery Stenting? Asymptomatic:** Alan B. Lumsden, MD, ChB, RVT, FACS, Professor and Medical Director, Methodist DeBakey Heart and Vascular Center, The Methodist Hospital, Houston, Texas.

Questions and Answers with Audience Participation

Scientific Sessions

Friday, September 19, 2014 (Continued)

11:15 am – 12:00 Noon

Tenth Scientific Session

Debate on CEA vs CAS in the Management of Symptomatic and Asymptomatic Carotid Artery Stenosis

A Discussion and Debate

Frank J. Veith, MD FACS, FICA vs. Alan B. Lumsden, MD, ChB, RVT, FACS

12:00 Noon – 1:00 pm

LUNCHEON BREAK

12:00 Noon – 12:30 pm

Eleventh Scientific Session

Characterization of Inflow and Outflow Channels of Endoleaks by Computed Tomographic Angiography— Technical Considerations, Methods of Interpretation and Clinical Significance

A Special Luncheon Lecture

Introduction By:

Sibu P. Saha, MD, MBA, FACS, FICA

Professor of Surgery and Bioengineering; Chief, Division of Cardiovascular and Thoracic Surgery; Frank C. Spender, MD Endowed Chair in Surgery; Chairman, Directors Council, Gill Heart Institute, University of Kentucky College of Medicine, Lexington, Kentucky; Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

Presentation By:

Michael A. Winkler, MD, FICA

Assistant Professor of Radiology, Internal Medicine, and Cardiology; Department of Radiology, University of Kentucky Medical Center, Lexington, Kentucky.

Questions and Answers with Audience Participation

12:30 pm – 1:00 pm

Twelfth Scientific Session

Young Investigator Award Presentation

Moderators:

John A. Elefteriades, MD, FACS, 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; Co-Editor-in-Chief, *International Journal of Angiology*; Director, Aortic Institute at Yale-New Haven, Yale University School of Medicine, New Haven, Connecticut.

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; Consulting Editor, *International Journal of Angiology*; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

12:30 **Methylglyoxal Upregulates Renin Angiotensin Aldosterone System and Contributes to the Development of Hypertension:**

Indu Dhar, PhD, Department of Pharmacology, College of Medicine, University of Saskatchewan, Saskatoon, Canada.

Questions and Answers with Audience Participation

1:00 pm – 2:00 pm

Thirteenth Scientific Session

EVAR for the Treatment of AAA's and Current Practice for TEVAR

Introduction By:

John B. Chang, MD, FACS, FICA

Professor, Clinical Surgery, Hofstra LIJ-Northshore School of Medicine, Uniondale, New York; Adjunct Professor, Clinical Surgery, Albert Einstein College of Medicine, Bronx, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Founding Chairman, Asian Society for Vascular Surgery; Chairman, Scholarship Committee, and First Vice-President, Society of Honorary Police Surgeons, City of New York, New York, New York; Director, Long Island Vascular Center, Roslyn.

1:00 **Present Status of EVAR for Treating Ruptured AAA's Including the Impact of RCT's:** Frank J. Veith, MD, FACS, FICA, Honorary Fellow, International College of Angiology; Professor of Surgery, The Cleveland Clinic, Cleveland, Ohio and New York University, New York New York; The William J. von Liebig Chair in Vascular Surgery, The Cleveland Clinic Foundation, Cleveland, Ohio.

1:30 **Update and Current Practices for TEVAR:** Alan B. Lumsden, MD, ChB, RVT, FACS, Professor and Medical Director, Methodist DeBakey Heart and Vascular Center, The Methodist Hospital, Houston, Texas.

Questions and Answers with Audience Participation

Scientific Sessions

Friday, September 19, 2014 (Continued)

2:00 pm – 3:30 pm

Fourteenth Scientific Session

Preventative Management of Cardiovascular Disease and an Update in the Medical Management of Coronary Artery Disease

Moderators:

Univ.-Prof. Dr. Otmar M. Pachinger, MD, FESC, FAHA, FICA

Professor Emeritus, Distinguished Professor of Cardiology, Medical University of Innsbruck, Innsbruck, Austria; President, Austrian Heart Foundation; President and Member, Board of Directors, International College of Angiology; Senior Editor, *International Journal of Angiology*.

Iwan Dakota, MD, PhD, FICA, FACC, FESC, FSCAI

Director, General Affairs, National Cardiovascular Center Harapan Kita, Vascular Division, Department of Cardiology and Vascular Medicine, Jakarta, Indonesia; Faculty of Medicine, University of Indonesia, Jakarta, Indonesia; Regional Secretary, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

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- 2:00 **Does Oxidative Stress Play a Role in the Added Sugar-induced Cardiovascular Disease?** 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; Consulting Editor, *International Journal of Angiology*; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.
- 2:30 **Cardiovascular Physiology and Disease Prevention at High Altitude:** Thomas F. Wayne, Jr., MD, PhD, FACC, FICA, Professor of Medicine (Cardiology), Division of Cardiovascular Medicine, Gill Heart Institute, University of Kentucky, Lexington, Kentucky; Vice President, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.
- 3:00 **Sympathovagal Balance—Prognostic Indicator for Coronary Disease and Congestive Heart Failure:** Gary L. Murray, MD, FICA, FACC, FASNC, FSCASI, Heart and Vascular Institute, Germantown, Tennessee.
- 3:10 **Chest Irradiation Associated Cardiovascular Disease:** Malka Yahalom, MD, DSc, FICA, Heart Institute, HaEmek Medical Center, Afula, Israel; Adjunct Senior Lecturer Emeritus, Rappaport Faculty of Medicine, Technion, Haifa, Israel; Director Emeritus, Pacemaker Unit, Western Galilee Hospital, Nahariya, Israel; Member, Editorial Board, *International Journal of Angiology*.

Questions and Answers with Audience Participation

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- 3:30 **COFFEE BREAK**

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3:45 pm – 4:30 pm

Fifteenth Scientific Session

Thrombosis, Diabetic Foot and Hypogastric Artery Embolization in Obstetrics and Gynecology

Moderators:

Elie D. Abouafia, MD, MSc (Surg), RVT, RPVI, FACS, FICA

Clinical Professor of Surgery, Michigan State University, Lansing, Michigan; Clinical Professor of Medicine, Wayne State University, Detroit, Michigan; Member, Board of Directors, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*; Member, Board of Trustees, International College of Surgeons (United States Section); Farmington Hills, Michigan.

Rajinder P. Sharma, MD, FICA

Associate Professor of Radiology, Wayne State University School of Medicine; Former Senior Staff, Interventional Radiology, Detroit, Michigan; Member, Board of Directors and President-Elect, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

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- 3:45 **Arterial and Venous Thrombosis with Protein C Deficiency Presenting as Cerebral Infarct and Pulmonary Embolism—A Case Report:** Benedict Azucena, MD, AFICA, Department of General Medicine, Tan Tock Seng Hospital, Singapore.
- 3:55 **Favorable Outcome of Two Cases of Elderly Patients with First Presentation of May-Thurner Syndrome (MTS) Treated with Thrombolysis Followed by Stenting:** Annamarie Borja, MD, AFICA, Department of General Medicine, Tan Tock Seng Hospital, Singapore.
- 4:05 **Prevalence, Trends and Magnitude of Diabetic Foot Amputation in Egypt:** Sherif Shalaby, MD, AFICA, Section of Vascular Surgery, Department of Surgery, Yale University School of Medicine, New Haven, Connecticut.
- 4:15 **Lessons Learned from Hypogastric Artery Ligation or Embolization in Obstetrics and Gynecology Patients:** Gautham Chitragari, MBBS, AFICA, Section of Vascular Surgery, Department of Surgery, Yale University School of Medicine, New Haven, Connecticut.

Questions and Answers with Audience Participation

Scientific Sessions

Friday, September 19, 2014 (Continued)

4:30 pm – 5:00 pm

Sixteenth Scientific Session

Normothermic Ex-Vivo Liver Perfusion as a Platform for the Assessment and Repair of Marginal Donor Organs

A Special Lecture

Introduction By:

Randall W. Franz, MD, FACS, RVT, FICA

Assistant Professor of Surgery, Ohio State University School of Medicine, Columbus, Ohio; Associate Professor of Surgery, Ohio University School of Medicine, Columbus, Ohio; Chief, Vascular and Endovascular Surgery, Grant Medical Center, Columbus, Ohio; Treasurer and Member, Board of Directors, International College of Angiology; Chairman, Local Organizing Committee, 56th Annual World Congress, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

Presentation By:

Sylvester M. Black, MD, PhD

Assistant Professor of Surgery, Division of Transplantation, Department of Surgery, Ohio State University Wexner Medical Center, Columbus, Ohio.

Questions and Answers with Audience Participation

Accreditation

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Saturday, September 20, 2014
Seventeenth Scientific Session
7:30 am – 8:00 am

**Professor Albert Senn Memorial Lecture
Complex Vascular Procedures**

Introduction 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; Consulting Editor, *International Journal of Angiology*; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Presentation By:

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

Professor, Clinical Surgery, Hofstra LIJ-Northshore School of Medicine, Uniondale, New York; Adjunct Professor, Clinical Surgery, Albert Einstein College of Medicine, Bronx, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Founding Chairman, Asian Society for Vascular Surgery; Chairman, Scholarship Committee, and First Vice-President, Society of Honorary Police Surgeons, City of New York, New York; Director, Long Island Vascular Center, Roslyn, New York.

Questions and Answers with Audience Participation

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8:00 am – 8:30 am

Eighteenth Scientific Session

**Professor Kailash Prasad Oratorical Lecture
Health Care: A Challenge for America!**

Introduction By:

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

Professor, Clinical Surgery, Hofstra LIJ-Northshore School of Medicine, Uniondale, New York; Adjunct Professor, Clinical Surgery, Albert Einstein College of Medicine, Bronx, New York; Chairman, Board of Directors, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Founding Chairman, Asian Society for Vascular Surgery; Chairman, Scholarship Committee, and First Vice-President, Society of Honorary Police Surgeons, City of New York, New York; Director, Long Island Vascular Center, Roslyn, New York.

Presentation By:

Sibu P. Saha, MD, MBA, FACS, FICA

Professor of Surgery and Bioengineering; Chief, Division of Cardiovascular and Thoracic Surgery; Frank C. Spender, MD Endowed Chair in Surgery; Chairman, Directors Council, Gill Heart Institute, University of Kentucky College of Medicine, Lexington, Kentucky; Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

Questions and Answers with Audience Participation

•
8:30 am – 8:45 am

Professor John B. Chang Research Achievement Award

Introduction 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; Consulting Editor, *International Journal of Angiology*; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

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Edward Ross, MD, FICA

Clinical Professor of Cardiology, Indiana University School of Medicine, Indianapolis, Indiana; Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

CME accreditation is not provided for this Research Achievement Award.

Saturday, September 20, 2014 (Continued)

8:45 am – 11:00 am

Nineteenth Scientific Session

Ongoing Controversies in Coronary Revascularization and Clinical Cardiology

Moderators:

Univ.-Prof. Dr. Otmar M. Pachinger, MD, FESC, FAHA, FICA

Professor Emeritus, Distinguished Professor of Cardiology, Medical University of Innsbruck, Innsbruck, Austria; President, Austrian Heart Foundation; President and Member, Board of Directors, International College of Angiology; Senior Editor, *International Journal of Angiology*.

Thomas F. Whayne, Jr., MD, PhD, FACC, FICA

Professor of Medicine, Division of Cardiovascular Medicine, Gill Heart Institute, University of Kentucky, Lexington, Kentucky; Vice President, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

8:45 **Revascularization in Multi-vessel CAD—PCI vs. CABG for Non-Diabetic and Diabetic Patients:** Otmar M. Pachinger, MD, FESC, FAHA, FICA, Professor Emeritus, Distinguished Professor of Cardiology, Medical University of Innsbruck, Innsbruck, Austria; President, Austrian Heart Foundation; President and Member, Board of Directors, International College of Angiology; Senior Editor, *International Journal of Angiology*.

9:15 **Twenty-Years of Research on Alcohol Septal Ablation for Hypertrophic Obstructive Cardiomyopathy:** Josef Veselka, MD, PhD, FESC, FICA, Professor of Medicine; Department of Cardiology, 2nd Medical School, Charles University and University Hospital Motol, Prague, Czech Republic; Vice President, Scientific Council, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

9:45 **Lipid Core Reduction after PCI:** Petr Hájek, MD, PhD, Department of Cardiology, 2nd Medical School, Charles University and University Hospital, Prague, Czech Republic.

10:15

COFFEE BREAK

10:30 **Update on Carotid Stents:** Josef Veselka, MD, PhD, FESC, FICA, Professor of Medicine; Department of Cardiology, 2nd Medical School, Charles University and University Hospital Motol, Prague, Czech Republic; Vice President, Scientific Council, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

Questions and Answers with Audience Participation

11:00 am – 11:30 am

Twentieth Scientific Session

**Professor Hans J. Hachen Memorial Lecture
Atherosclerosis Prevention by Pentoxifylline**

Introduction By:

Pertti Aarnio, MD, PhD, FICA

Professor of Surgery, University of Turku, Pori, Finland; Member, Board of Directors and Co-Chairperson, Scientific Committee, International College of Angiology; Treasurer, International College of Angiology; Senior Editor, *International Journal of Angiology*.

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; Consulting Editor, *International Journal of Angiology*; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Questions and Answers with Audience Participation

11:30 am – 12:00 pm

Twenty-First Scientific Session

**Professor John B. Chang Oration Lecture
Autologous Stem Cells for Critical Limb Ischemia**

Introduction 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; Consulting Editor, *International Journal of Angiology*; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Presentation By:

Randall W. Franz, MD, FACS, RVT, FICA

Associate Professor of Surgery, Ohio University School of Medicine, Columbus, Ohio; Adjunct Assistant Professor of Surgery, Ohio State University School of Medicine, Columbus, Ohio; Chief, Vascular and Endovascular Surgery; Medical Director, Grant Vascular and Vein Center, Columbus, Ohio; Chairman, Local Organizing Committee, 56th Annual World Congress, International College of Angiology; Treasurer and Member, Board of Directors, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

Questions and Answers with Audience Participation

Saturday, September 20, 2014 (Continued)

Twenty-Second Scientific Session

12:00 Noon – 12:30 pm

Aortic Dissection Associated with Cardiac Tamponade and Coronary Malperfusion, Aortic Stenting and Vein Thrombosis in Chronic Kidney Disease

Moderators:

John A. Eleftheriades, MD, FACS, 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; Co-Editor-in-Chief, *International Journal of Angiology*; Director, Aortic Institute at Yale-New Haven, Yale University School of Medicine, New Haven, Connecticut.

Randall W. Franz, MD, FACS, RVT, FICA

Associate Professor of Surgery, Ohio University School of Medicine, Columbus, Ohio; Adjunct Assistant Professor of Surgery, Ohio State University School of Medicine, Columbus, Ohio; Chief, Vascular and Endovascular Surgery; Medical Director, Grant Vascular and Vein Center, Columbus, Ohio; Chairman, Local Organizing Committee, 56th Annual World Congress, International College of Angiology; Treasurer and Member, Board of Directors, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.

- 12:00 **Endovascular Aortic Stenting: Indonesia's Experience:** Iwan Dakota, MD, PhD, FICA, FESC, FACC, FSCAI, Vascular Division, Department of Cardiology and Vascular Medicine, Faculty of Medicine, University of Indonesia, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia; Regional Secretary, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*.
- 12:10 **Innominate Vein Thrombosis in Chronic Kidney Disease with Routine Hemodialysis:** Ismoyo Sunu, MD, PhD, FICA, Vascular Division, Department of Cardiology and Vascular Medicine, Faculty of Medicine, University of Indonesia, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia.
- 12:20 **Fatal and Rare Combination of Type A Aortic Dissection, Pericardial Tamponade and Coronary Malperfusion:** Dicky Aligheri, MD, Department of Adult Cardiac and Vascular Surgery, National Heart and Vascular Center, Harapan Kita Hospital, Jakarta, Indonesia.

Questions and Answers with Audience Participation

Accreditation

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12:30 pm—Congress Adjourns



ACKNOWLEDGMENTS

The International College of Angiology and OhioHealth gratefully acknowledges the educational grants provided in support of this CME activity. Without the support of all of the following companies, this program would not have been possible:

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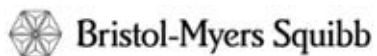
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56th Annual World Congress Social Program Agenda



Thursday, September 18, 2014

- 8:00 am **Opening Ceremony of the 56th Annual World Congress of the International College of Angiology**
We encourage all spouses and/or accompanying guests to attend the opening ceremony of the Congress.
- 10:15 am **A Day of Shopping at Easton Town Center**
Those participating in this social activity will exit the congress meeting at the end of the 10:15 am coffee break.
- 1:00 pm **Lunch at Bon Vie Restaurant—4089 The Strand East**
An ADVANCE RSVP is REQUIRED for lunch, due to catering guarantees. Each participant will pay for his/her own individual meal.
- After Lunch **Shopping may continue.**
- 7:00 pm **Welcome Reception—New Albany Country Club**
An evening of Dinner and Dancing. **An ADVANCE RSVP is REQUIRED** for this event, due to catering guarantees. The shuttle buses will be provided by Columbus Coach and will depart from the Hilton Hotel Easton Center Lobby. The cost for this evening is \$75/per person.

Friday, September 19, 2014

- 10:00 am **Franklin Park Conservatory—1777 E. Broad Street**
A shuttle bus will be provided by Columbus Coach and will depart from the Hilton Hotel Easton Center Lobby. **An ADVANCE RSVP is REQUIRED** for this event, due to transportation guarantees. The cost for this event is \$20/per person.
- 11:30 am **Lunch in the Short North District—Rigby's Kitchen—698 North High Street**
An ADVANCE RSVP is REQUIRED for lunch, due to catering guarantees. Each participant will pay for his/her own individual meal.
- 12:30 pm **Stroll through the Short North District—Home to Boutiques, Art Galleries, etc.**
A shuttle bus will be provided by Columbus Coach and will return to the Hilton Hotel Easton Center Lobby at 3:00 pm.
- 5:00-7:00 pm **Evening Cocktail Hour—Easton Hilton Ballroom**
This evening will be an informal hour of cocktails and hors-d'oeuvres. **An ADVANCE RSVP is REQUIRED** for this event, due to catering guarantees.

Saturday, September 20, 2014

Conclusion of the Annual World Congress—Day of Departure

A WELCOME BAG will be provided upon arrival at the Hilton Hotel Easton Center with a small gift, note of greeting, social event calendar and Easton Town Center information (a map, coupons, a city guide and other information).

A detailed description of each event and the Advance Reservation Form is located on the College's website: <http://www.intlcollegeofangiology.org>.

Vegetarian meals will be available upon ADVANCE REQUEST.
(CME not provided)



57th Annual World Congress • ICA 2015 International College of Angiology & 7th National Symposium of Vascular Medicine



Save the Date!

John B. Chang, MD, FACS, FICA, *Program Chairman*
Ismoyo Sunu, MD, PhD, FICA, *Chairman, Local Organizing Committee*

Join your colleagues from around the world, earn CME, and explore key areas rapidly expanding in cardiovascular medicine and surgery. ICA 2015 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, neuro-radiologists, fellows and residents of the above specialties, vascular biologists and nurses.

This Congress is designed 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 new treatment modalities, including diagnosis, assessment, intervention, risk factors management and surgery.

At the conclusion of this activity, attendees should be more confident in their ability to:

1. Examine concepts related to cardiovascular diseases.
2. Discuss strategies to improve patient outcomes in managing cardiovascular diseases.
3. Analyze treatment strategies that involve complex patient situations with multiple contributing risk factors.

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.

Program Highlights

- AORTIC DISSECTION—East Meets West in Treating Thoracic Aortic Dissection
- AORTIC ANEURYSM—Current Management of Aortic Aneurysms
- THE UPDATE GUIDELINE OF PERIPHERAL ARTRIAL DISEASE—WHAT'S NEW?
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For Additional Information and Abstract Forms, please contact:

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

Email: jbchangmd@aol.com • Telephone: +516.484.3430 • Fax: +516.484.3482

Denise M. Rossignol, Executive Director, International College of Angiology

Email: denisemrossignol@cs.com • ICA Website: <http://www.intcollegeofangiology.org>

Telephone: +802.988.4065 • Fax: +802.988.4066



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John B. Chang, MD, FICA, FACS, Program Chairman
Long Island Vascular Center
1050 Northern Boulevard • Roslyn, New York 11576
+516.484.3430 FAX: +516.484.3482
Email: jbchangmd@aol.com

International College of Angiology, Inc.
Member, Council for International Organizations of Medical Sciences (CIOMS)
Executive Office: 161 Morin Drive • Jay, Vermont 05859
+802.988.4065 FAX: +802.988.4066
Email: denisemrossignol@cs.com
Website: <http://www.intlcollegeofangiology.org>

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