International College of Angiology
54th Annual World Congress
Innsbruck Convention Centre
Innsbruck ~ Capital of Tyrol ~ Austria
September 14-16, 2012

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International College of Angiology

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International College of Angiology

Innsbruck Convention Centre
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International Journal of Angiology
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An Official Publication of the International College of Surgeons
An Official Publication of the Asian Society for Vascular Surgery

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54th Annual World Congress
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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.

<table>
<thead>
<tr>
<th>Year</th>
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</table>

Founding fathers: Dr. Saul Simon Samuels and Dr. Rene Leriche, in 1942.
54th Annual World Congress
General Program Information

Congress Aim
The overall mission of the 54th 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 angiography 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 cardiac 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 lectures 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 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 on a CD/DVD/USB Drive or via E-Mail (PC format for Windows XP) to our Executive Director NO LATER THAN September 1, 2012. 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
CONGRESS INNSBRUCK (INNSBRUCK CONVENTION CENTRE)
Congress and Messe Innsbruck GmbH
Rennweg 3
6020 Innsbruck, Austria
T. +43 512.5936.1160
F. +43.512.575607
I. www.cmi.at

Location
See the City Map on page 7 for the location of Congress Innsbruck and its relation to your hotel. The convention centre Congress Innsbruck is situated next to the gates of the old city centre. Innsbruck Airport is located approximately 3 km from the city centre which can be reached either by bus or by taxi. Munich Airport, located some 180 km, or a 2-hour drive away. Innsbruck Airport has direct links with Amsterdam, Berlin, Bristol, Düsseldorf, Eindhoven, Frankfurt, Hamburg, Kiev, Liverpool, London, Moscow, Rotterdam and Vienna.

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

Name Badges
Congress name badges are available at theICA’s Registration Desk at Innsbruck Convention Centre. Upon arrival, please be sure to obtain your congress name badge and materials. We ask that you wear your name badge at all group sponsored functions. It will help you get acquainted with your colleagues.

Telephone Calls
Please contact your mobile carrier for details and pricing on using your mobile phone in Austria.

Voltage
Electricity is used 220-240 volts at 50 cycles.
Shopping Hours in the City Centre

Most shops in the Old Town, located next to the conference center, are open daily. Outside the Old Town shops are generally closed on Sundays. During the week, opening hours are usually from 09.00 h. – 18.00 h.

Weather/Climate

Temperatures depend largely on altitude, with averages 5°C lower for each additional 300 m of elevation. Precipitation is quite evenly distributed over the entire year, but May, September, and the first half of October tends to be the driest. Again, altitude determines the precipitation pattern. Maximum temperatures can reach around 20°C and minimum temperatures are around 8°C.

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 (ACME) 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 18.5 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 (ACME) 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 its 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 ACME 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.

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Julia Dunfort, MD ............................................................................................. No Disclosure Received
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Pálvi E. Korhonen, MD, PhD ............................................................................ Nothing to Disclose
Christian Kuppatt Jeremias, MD ...................................................................... Nothing to Disclose
Tae-Won Kwon, MD, PhD ............................................................................... Nothing to Disclose
Gabor Menyhe, MD, PhD ............................................................................... No Disclosure Received
J. Ernesto Molina, MD, PhD ............................................................................. No Disclosure Received
Ernesto P. Molmenti, MD, PhD, MBA ............................................................. Nothing to Disclose
Ludwig Müller, MD .......................................................................................... No Disclosure Received
H.J. Nesser, MD ............................................................................................... Nothing to Disclose
Otmar M. Pachinger, MD ............................................................................... No Disclosure Received
Sang Jung Park, MD .......................................................................................... Nothing to Disclose
Janet T. Powell, PhD, MD, FRCPath ................................................................. Nothing to Disclose
Kailash Prasad, MD, PhD ............................................................................... No Disclosure Received
Dinker B. Rai, MD ............................................................................................. No Disclosure Received
Barbara Rantner, MD, PhD ............................................................................. No Disclosure Received
Chairman, Local Organizing Committee Welcome Address

O.Univ.-Prof. Dr. Otmar M. Pachinger, MD, FESC, FAHA, FICA, Chairman
Professor of Medicine; President-Elect and Member, Board of Directors, International College of Angiology; Chief of Cardiology, Medical University of Innsbruck, Innsbruck, Austria.

Dear Colleagues,

On behalf of the Local Organizing Committee it is a great pleasure and honor for me to welcome you to the 54th Annual World Congress of the International College of Angiology here at the Congress Innsbruck, Austria. Innsbruck is the Capital of Tyrol, which is in the center of the Alps and Europe. This city hosted twice the Winter Olympic Games in 1964 and 1976.

Since the charter of the International College in 1958 cardiovascular medicine has evolved and expanded tremendously involving vascular, thoracic, cardiovascular surgeons, cardiologists, interventionists, neuroradiologists, vascular biologists, scientist and health care staff trying to integrate all expertise’s for an improved management of cardiovascular disease.

There has never been a more exciting time for this field of medicine! The transition to evidence-based medicine has distinguished our spectrum as a modern specialty committed to scientific principles and the highest ethical standards of conduct. We are passionate about experimental and clinical research, fundamental to every important therapy change, and to an innovative development process! We strongly support and promote global and multidisciplinary collaborations. Common themes address unmet clinical needs, pathophysiology and mechanistic understanding, innovative solutions, physician training, and education.

I am personally looking forward to an exciting meeting, and hope Innsbruck offers you an enjoyable and unforgettable stay!

Sincerely,

Otmar Pachinger, MD, FESC, FAHA, FICA
Dear Members and Guests:

On behalf of the Board of Directors of the International College of Angiology and the Organizing Committee, I would like to extend my personal greeting to each and every one of you attending the 54th Annual World Congress of the International College of Angiology in the beautiful city of Innsbruck—Capital of Tyrol.

The Organizing Committee, under the leadership of Professor Otmar M. Pachinger along with our officers and scientific committee have prepared an outstanding and stimulating scientific program for this Congress. Scientific presentations and discussions will be in the arena of angiology, with cutting edge clinical and research information. The Organizing Committee has also made arrangements with special sessions in cardiac and vascular specialties giving stimulating discussions. As part of the congress program, there will be heartwarming memorial and oration lectures, recognizing and paying tribute to our former and present leaders of the College. I express my personal gratitude to our members and officers for their continued support of our society, making these congresses so successful.

During our Congress, you will meet new friends and renew friendships with old friends. The city of Innsbruck will provide you with exciting venues for sightseeing and recreation. The members of the Organizing Committee and officers of our College will be there to assist you in making your stay in Innsbruck most enjoyable.

I personally look forward to meeting each and every one of you at the Congress.

Sincerely,

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

The International College of Angiology achieves dissemination of vascular scientific information through its Annual World Congress where clinical and basic vascular research, diagnostic, and therapeutic options are discussed by the World’s most prominent vascular physicians. The Annual World Congress also brings together physicians from all parts of the world irrespective of their specialty. Papers presented at our Annual World Congress are submitted for publication consideration in the official journal of the College, the International Journal of Angiology.

This year, the Annual World Congress will be held in Innsbruck, Austria under the leadership of the President-Elect Otmar M. Pachinger, MD, Professor of Medicine, Department of Cardiology, Medical University of Innsbruck, Innsbruck, Austria. As the President of the International College of Angiology, I would like to congratulate and thank Professor Pachinger for hosting the Annual meeting.

Finally, I would like to take this opportunity to thank our Chairman, Board of Directors, Professor John B. Chang for his dedication and passion not only for the advancement of vascular science but also for the well-being of our society, and on a personal note, for inspiring myself till this date.

Takao Ohki, MD, PhD, FICA
President, International College of Angiology
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**SCIENTIFIC PROGRAM AT-A-GLANCE**

- **Friday, September 14**
  - 09.00: Opening Ceremony
  - 09.30: Dr. Gustav Fraedrich & Dr. Barbara Rantner, MD, PhD
  - 10.00: The Role of Ticagrelor in the Treatment of Acute Coronary Syndrome
  - 12.00: Luncheon Break
  - 13.00: A Round Table Discussion
  - 14.00: A Luncheon Symposium

- **Saturday, September 15**
  - 09.00: Opening Ceremony
  - 09.30: Dr. Gustav Fraedrich & Dr. Barbara Rantner, MD, PhD
  - 10.00: The Role of Ticagrelor in the Treatment of Acute Coronary Syndrome
  - 12.00: Luncheon Break
  - 13.00: A Round Table Discussion
  - 14.00: A Luncheon Symposium

- **Saturday, September 16**
  - 09.00: Opening Ceremony
  - 09.30: Dr. Gustav Fraedrich & Dr. Barbara Rantner, MD, PhD
  - 10.00: The Role of Ticagrelor in the Treatment of Acute Coronary Syndrome
  - 12.00: Luncheon Break
  - 13.00: A Round Table Discussion
  - 14.00: A Luncheon Symposium

- **Saturday, September 17**
  - 09.00: Opening Ceremony
  - 09.30: Dr. Gustav Fraedrich & Dr. Barbara Rantner, MD, PhD
  - 10.00: The Role of Ticagrelor in the Treatment of Acute Coronary Syndrome
  - 12.00: Luncheon Break
  - 13.00: A Round Table Discussion
  - 14.00: A Luncheon Symposium
54th Annual World Congress
Innsbruck, Austria
September 14-16, 2012

Scientific Program
Friday, September 14, 2012
09.00 h. – 09.30 h.
Innsbruck Convention Center

Opening Remarks and Introductions
Introduction By:
• President

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

John B. Chang, MD, FACS, FICA
Chairman, Scientific Committee
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, New York; Adjunct Professor, Clinical Surgery, 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, USA.

Prof. Dr. Werner Jaschke, MD
President, European Society of Vascular Surgery; Medical University of Innsbruck, Innsbruck, Austria.

Prof. Dr. Gustav Friedrich, MD
Professor Emeritus of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada; Member, Board of Directors, International College of Angiology; Chairperson, Scientific Committee, International College of Angiology; Consulting 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, USA.

Kailash Prasad, MBBS(Hons.), MD, PhD, FRCP, FACC, FICA, FIACS
Chairman, Scientific Committee
Professor Emeritus of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada; Member, Board of Directors, International College of Angiology; Chairperson, Scientific Committee, International College of Angiology; Consulting 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, USA.

Vice Chairman, Board of Directors
John A. Elefteriades, MD, FICA
Professor of Medicine; President-Elect 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; Member, International Steering Committee, ICA Research and Education Foundation; Chief, Section of Cardiothoracic Surgery, Yale University School of Medicine, New Haven, Connecticut, USA.

Prof. Dr. Manfred Deutsch, MD
President, European Society of Vascular Surgery; Medical University of Innsbruck, Innsbruck, Austria.

Prof. Dr. Gustav Fraedrich, MD
President, European Society of Vascular Surgery; Medical University of Innsbruck, Innsbruck, Austria.

Prof. Dr. Michael Grimm, MD
Honorary Fellow, International College of Angiology; Professor of Surgery, Chief, Department of Cardiac Surgery, Medical University of Innsbruck, Innsbruck, Austria.

Prof. Dr. Werner Jaschke, MD
Medical University of Indonesia, RSCH Hospital, Jakarta, Indonesia.

Prof. Dr. Choi-Keung Ng, MD, FICA
Professor of Surgery; Vice President, Scientific Council, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editor, International Journal of Angiology; Innsbruck, Austria.

O.Univ.-Prof. Dr. Otmar M. Pachinger, MD, FACS, FICA, FIPA, FACA, Chairman
President-Elect, International College of Angiology; Senior Editor, International Journal of Angiology; Head, Department of Internal Medicine and Director, Medical University of Innsbruck, Internal Medicine III-Cardiology, Innsbruck, Austria.

Scientific Sessions
Friday, September 14, 2012 (Continued)
09.00 h. – 09.30 h.
Innsbruck Convention Center

Opening Address
John B. Chang, MD, FACS, FICA, Program Chairman
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, Uniondale, New York; Adjunct Professor, Clinical Surgery, 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, USA.

10.45 h. – 12.30 h.
COFFEE BREAK

12.30 h. – 14.00 h.

14.00 h. – 14.30 h.

14.30 h. – 16.00 h.

16.00 h. – 18.00 h.

18.00 h. – 19.30 h.

19.30 h. – 20.00 h.

Presentation By:
O.Univ-Prof. Dr. Otmar M. Pachinger, MD, FACS, FICA, FIPA, FACA, Chairman
President-Elect, International College of Angiology; Senior Editor, International Journal of Angiology; Head, Department of Internal Medicine and Director, Medical University of Innsbruck, Internal Medicine III-Cardiology, Innsbruck, Austria.

10.45 h. – 12.30 h.

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19.00 h. – 19.30 h.

19.30 h. – 20.00 h.

Welcome Address
O.Univ.-Prof. Dr. Otmar M. Pachinger, MD, FACS, FICA, FIPA, FACA, Chairman
President-Elect, International College of Angiology; Senior Editor, International Journal of Angiology; Head, Department of Internal Medicine and Director, Medical University of Innsbruck, Internal Medicine III-Cardiology, Innsbruck, Austria.

Latest Development in Aortic Aneurysms
Moderator:
Prof. Dr. Christian Hagl, MD
Klinikum Grosshadern, Munich, Germany.

10.45 Why Does Aortic Dissection Occur? From Molecular Biology to Clinical Presentation: 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; Co-Editor-in-Chief, 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, USA.

11.05 Modern Strategies in Acute Type-A Dissection: Prof. Dr. Christian Hagl, MD, Klinikum Grosshadern, Munich, Germany.
11.25 Management of Acute Type-B Dissection: Univ.Prof. Dr. Michael Grimm, MD, Director, Department of Heart Surgery, University Medical School Innsbruck, Innsbruck, Austria.
Friday, September 14, 2012

11.45 Role of Endovascular Therapy in Thoracic Aortic Disease: Prof. Dr. Ernst Weigang, MD, MBA, Professor of Cardiovascular Surgery, Head, Endovascular Surgery, Department of Cardi thoracic and Vascular Surgery, University Medical Center, Mainz, Germany.

Questions and Answers with Audience Participation
12.30 h. – 13.30 h.

Fourth Scientific Session
Update on the Status of Antiplatelets
A Luncheon Symposium

Moderator:
PD Dr. Matthias Frick, MD, FESC
Department of Cardiology, Medical University of Innsbruck, Innsbruck, Austria.

12.30 The Role of Ticagrelor in the Treatment of Acute Coronary Syndrome: What do the Guidelines Recommend? PD Dr. Hannes Alber, MD, FESC, Associate Professor of Medicine, Department of Cardiology, Medical University of Innsbruck, Innsbruck, Austria.

12.42 Antithrombotic Management of A-Fib in PCI Patients: PD Dr.med. Jolanta Siller-Matula, MD, PhD, Department of Cardiology, Medical University of Vienna, Vienna, Austria.

12.54 Ticagrelor vs. Prasugrel in ACS Following PCI: PD Dr. Matthias Frick, MD, FESC, Department of Cardiology, Medical University of Innsbruck, Innsbruck, Austria.

Questions and Answers with Audience Participation
13.30 h. – 15.00 h.

Fifth Scientific Session
Role of Interventional Therapy in Heart Valve Disease

Moderator:
Prof. Dr. Theodor Fischlein, MD
Department of Cardiac Surgery, University of Nürnberg, Nürnberg, Germany.

13.30 TAVI Patient Selection and Recent Clinical Status: PD Dr. Thomas Bartel, MD, Department of Cardiology, Medical University of Innsbruck, Innsbruck, Austria.

13.50 Patient Selection for Surgical Aortic Valve Replacement in Germany: Prof. Dr. Theodor Fischlein, Department of Cardiac Surgery, University of Nürnberg, Nürnberg, Germany.

14.10 MitraClip—State of the Art: Christian Ebner, MD, Elisabethinen Hospital Linz, Linz, Austria.

14.30 Modern Mitral Valve Surgery: Prof. Dr. Ludwig Müller, MD, Deputy Director, Department of Heart Surgery, University Hospital Innsbruck, Innsbruck, Austria.

Questions and Answers with Audience Participation
15.00 h. – 15.30 h.

Sixth Scientific Session
Dr. Jose Alemany Oration Lecture
Ankle Brachial Index in a Cardiovascular Risk Population
A Special Lecture

Introduction By:
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, USA.

Presentation By:
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.

15.30 h. – 16.00 h.

Seventh Scientific Session
Distinguished Service Award
Does Vitamin E Suppress, Regress, and Slow Progression of Hypercholesterolemia-Induced Oxidative Stress in the Heart?

This award is presented by the Board of Directors of the International College of Angiology to a member of the College who has made significant contributions in the cardiovascular field, tireless promotion of education and research, and extended valuable services to the International College of Angiology.

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; Co-Editor-in-Chief, 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, USA.

Presentation By:
Kailash Prasad, MBBS(Hons), MD, PhD, FCRPC, 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; Member, International Steering Committee, ICA Research and Education Foundation; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

16.00 h. – 17.00 h.

Eighth Scientific Session
Anticoagulant Therapy in Specific Diseases

Moderator:
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.

16.00 A Cohort Study to Analyze Hypercoagulable State in HIV Seropositive Patients—Is It Difficult to Treat with Therapeutic Anti-Coagulation? Ashish Anil Sule, MBBS, MD, MRCP, FAMS, FICA, FRCPC(UK), Tan Tock Seng Hospital, Singapore.

16.10 Rivaroxaban for Prevention of Stroke and Systemic Embolism in Patients with Non—Valvular Atrial Fibrillation—The Pros and Cons of Direct Factor Xa Inhibitors: Tahir Tak, MD, PhD, FICA, Division of Cardiovascular Diseases, Mayo Clinic Health System, La Crosse, Wisconsin, U.S.A.

16.20 Tumor Thrombus—How Is It Treated? Veerendra M. Chadachan, MD, MRCP, FAMS, Adjunct Assistant Professor of Medicine, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; Consultant, Department of General Medicine, Vascular Medicine, and Hypertension, Tan Tock Seng Hospital, Singapore.

Questions and Answers with Audience Participation
17.00 h. – Board of Director’s Business Meeting
Tenth Scientific Session
Saturday, September 15, 2012
08.30 h. – 09.00 h.
Endovascular Thrombectomy

Introduction By:

Dinker B. Rai, MD, FACS, FRCS(C), FICA
Editor, International Journal of Angiology; Departments of Vascular Surgery and Endoscopic Surgery, Takanobashi Central Hospital, Jinyukai Medical Corporation, Hiroshima, Japan.

Presentation By:

Gustav Fraedrich, MD
Professor of Surgery, Chairman, Department of Vascular Surgery, Medical University, Innsbruck, Austria.

Questions and Answers with Audience Participation
09.00 h. – 10.30 h.
Tenth Scientific Session

Vascular Surgery in Europe

Moderators:

Gustav Fraedrich, MD
Professor of Surgery, Chairman, Department of Vascular Surgery, Medical University, Innsbruck, Austria.

Professor Janet T. Powell, PhD, MD, FRCPath
Professor of Surgery, Imperial College, London, UK.

Carotid Artery Stenosis

09.00 European RCTs—The Carotid Stenting Trials Collaboration: Barbara Rantner, MD, PhD, Department of Vascular Surgery, Medical University Innsbruck, Innsbruck, Austria.

09.12 Clinical Practice—The VASCUNET Registry: Professor Gabor Menyhei, MD, PhD, Department of Vascular Surgery, University of Pecs, Pecs, Hungary.

Abdominal Aortic Aneurysms

09.24 Updates on Small Abdominal Aortic Aneurysms: Effect on Aneurysm Screening: Professor Janet T. Powell, PhD, MD, FRCPath, Professor of Surgery, Imperial College, London, UK.

09.36 Management Guidelines from the European Society for Vascular Surgery: Ingrid Gruber, MD, Department of Vascular Surgery, University Hospital Innsbruck, Innsbruck, Austria.

09.48 Follow-Up after EVAR—Incidence and Relevance of Endoleaks: Professor Andreas Chemelli, MD, Department of Radiology, Medical University Innsbruck, Innsbruck, Austria.

Questions and Answers with Audience Participation
10.30 h. – 10.45 h. – COFFEE BREAK
Saturday, September 15, 2012
13.30 h. – 14.45 h.
Scientific Sessions

Cardiovascular Disease

Moderator:
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; Consulting 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.

13.30 Cardiovascular Involvement in Behçet’s Disease—Clinical Implications: Malka Yahalom, MD, DSc, FICA, Heart Institute, Hadassah Medical Center, Haifa, Israel.
13.40 Long-Term Effects of Varying Alcohol Dosing in Percutaneous Septal Ablation for Obstructive Hypertrophic Cardiomyopathy—A Randomized Study with a Follow-up of up to 11 Years: Josef Veselka, MD, PhD, FICA, Professor of Medicine; Department of Cardiology, University Hospital Motol, 2nd Medical School, Charles University, Prague, Czech Republic.
13.50 Secretory-Phospholipase A-2 is Associated with the Risk of Acute Coronary Syndrome Through Activation of Serum Amyloid-A: Anwar Santoso, MD, PhD, FIHA, FAsCC, FICA, Department of Cardiology-Vascular Medicine, Faculty of Medicine, University of Indonesia, Harapan Kita Hospital, National Cardiovascular Center, Jakarta, Indonesia.
14.00 Acute Pulmonary Embolism Mimicking Acute Non-STEMI: Taofan Siddiqi, MD, FIHA, FICA, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia.
14.10 The Diagnostic Significance of PAPP-A for Patients with Acute Chest Pain: Petr Hájek, MD, Department of Cardiology, Charles University and University Hospital Motol, Prague, Czech Republic.
14.20 Thoracoabdominal Ectopic Cordis: Hananto Andriantoro, MD, FICA, MD, Department of Cardiology and Vascular Medicine, Faculty of Medicine, University of Indonesia, National Cardiovascular Centre, Harapan Kita Hospital, Jakarta, Indonesia.

Questions and Answers with Audience Participation

* 14.45 h. – 15.15 h.

Fourteenth Scientific Session

Professor Hans J. Hachen Memorial Lecture
Flaxseed and Slowing of Progression of Hypercholesterolemic Atherosclerosis

A Special Lecture

This memorial lecture is given in the memory of the late Professor Hans J. Hachen, who enriched the International College of Angiology with his wisdom and support. He was internationally renowned for his expertise in cardiovascular disease, and was a stalwart for the International College of Angiology.

Introduction By:
John B. Chang, MD, FACS, FICA, Program Chairman
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, New York; Adjunct Professor, Clinical Surgery, 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, USA.

Presentation By:
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; Consulting 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.

Questions and Answers with Audience Participation

Saturday, September 15, 2012
15.15 h. – 16.15 h.
Scientific Sessions

Valvular Surgery

Moderator:
Professor Choi-Keung Ng, MD, FICA
Professor of Surgery; Vice President, Scientific Council, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology, Innsbruck, Austria.

15.15 Reversal of Severe Tricuspid Insufficiency by Switching from Right to Left Ventricular Pacing: Wolfgang Dichtl, MD, PhD, Division of Cardiology, Department of Internal Medicine III, Medical University, Innsbruck, Austria.
15.25 The MitraClip System in Patients after Resynchronization Therapy and Persistent Significant Mitral Regurgitation and Concomitant Heart Failure: H.J. Nessler, MD, Associate Professor of Medicine, Tufts University Medical School, Boston, Massachusetts, U.S.A.; Director, 11th Department of Medicine, Cardiology-Angiology-Intensive Care, Public Hospital St. Elizabeth, Academic Teaching Hospital, University of Vienna and Innsbruck, Linz, Austria.
15.35 Single Center Experience with Paravalvular Leak Closure after Recurrent Mitral Valve Surgery: Christian Ebnier, MD, 2nd Department of Internal Medicine, Cardiology-Angiology-Intensive Care, Elisabethinen Hospital Linz GmbH, Linz, Austria.
15.45 Minimally Invasive Double Valve Surgery: Five-Year Experience: Julia Dumfard, MD, Department of Cardiac Surgery, Innsbruck Medical University, Innsbruck, Austria.

Questions and Answers with Audience Participation

16.15 h. – FREE AFTERNOON

Sunday, September 16, 2012
09.00 h. – 09.30 h.
Sixteenth Scientific Session

Professor Kailash Prasad Oration Lecture
The Aortic Wall: Four New Insights

A Special Lecture

Introduction By:
John B. Chang, MD, FACS, FICA, Program Chairman
Professor of Clinical Surgery, Hofstra North Shore-LIJ School of Medicine, New York; Adjunct Professor, Clinical Surgery, 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, USA.

Presentation 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; Co-Editor-in-Chief, 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, USA.

Questions and Answers with Audience Participation
Scientific Sessions

Sunday, September 16, 2012 (Continued)

09.30 h. – 10.00 h.
Seventeenth Scientific Session
Kidney Transplant and Cytokines

**Moderator:**

Ernesto P. Molmenti, MD, PhD, MBA, FICA
Professor of Surgery, Departments of Surgery and Medicine, Hofstra North Shore-LIJ School of Medicine, Uniondale, New York, USA; Vice Chairman, Department of Surgery, Director, Transplant Program, North Shore-LIJ Health System, Manhasset, New York, USA; Editor, International Journal of Angiology.

09.30 A Role for Inflammatory Cytokines, as Surrogate Markers in Kidney Transplant Recipients: Ahmed S. Shoker, MD, FICA, Professor of Medicine, University of Saskatchewan College of Medicine; Saskatchewan Transplant Program, St. Paul’s Hospital, Saskatoon, Canada.

09.45 Lack of an Association between Inflammatory Cytokines and Framingham Risk Scores in a Kidney Transplant Population: Jonathan Dean, BSc, College of Medicine, University of Saskatchewan, Saskatoon, Canada.

Questions and Answers with Audience Participation

10.00 h. – 10.30 h.
Eighteenth Scientific Session
Professor John B. Chang Oration Lecture
Serial Doppler Studies and Selective Angiographic Interventions to Address Early Transplant Renal Artery Flow Abnormalities

**A Special Lecture**

Introduction By:

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; Consulting Editor, International Journal of Angiology; Member, International Steering Committee, ICA Research and Education Foundation; Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada.

**Presentation By:**

Ernesto P. Molmenti, MD, PhD, MBA, FICA
Professor of Surgery, Departments of Surgery and Medicine, Hofstra North Shore-LIJ School of Medicine, Uniondale, New York, USA; Vice Chairman, Department of Surgery, Director, Transplant Program, North Shore-LIJ Health System, Manhasset, New York, USA; Editor, International Journal of Angiology.

Questions and Answers with Audience Participation

10.30 h. – 10.45 h. – COFFEE BREAK

10.45 h. – 12.00 h.
Nineteenth Scientific Session
Peripheral Vascular Diseases

**Moderators:**

Atsushi Ishida, MD, PhD, FICA
Lecturer, Division of Vascular Surgery, Department of Surgery, Keio University School of Medicine, Tokyo, Japan.

Professor J. Ernesto Molina, MD, PhD, FICA
Professor of Surgery; Co-Chairperson, Scientific Committee, International College of Angiology; Editor, International Journal of Angiology, Official Journal of the International College of Angiology; Division of Cardiovascular and Thoracic Surgery, Department of Surgery, University of Minnesota, Minneapolis, Minnesota, USA.

10.45 Ins and Outs of Our Simplified Subfascial Endoscopic Perforating Veins Surgery (SEPS)—Differences from Original Gloviczki’s Method: Naoki Haruta, MD, FICA, Editor, International Journal of Angiology; Departments of Vascular Surgery and Endoscopic Surgery, Takanashibashi Central Hospital, Jinyoukai Medical Corporation, Hiroshima, Japan.

10.55 Subclinical Organ Damage Among Hypertensive and Non-Hypertensive Risk Subjects in a General Population: Pàivi E. Koivunen, MD, PhD, FICA, Central Satakunta Health Federation of Municipalities, Harjavalla, Finland.

11.05 Esthetic Advantage of Cryotherapy in Tributary Varicosity Patients: Jung Kee Chung, MD, PhD, Boramae Hospital, Seoul National University College of Medicine, Seoul, Korea.

11.15 Anatomical Popliteal Artery Entrapment Syndrome Caused by Aberrant Plantaris Muscle: Tae-Won Kwon, MD, PhD, Division of Vascular Surgery, Department of Surgery, University of Ulsan College of Medicine and Asan Medical Center, Seoul, Korea.

11.25 First Long-Term Experience with Intravenous Treprostinil Administered by the Implantable Infusion Pump LenusPro®: A Single-Center Pilot Study: Regina Sterringer-Mascherbauer, MD, Department of Cardiology, Public Hospital Elisabethinen Linz, Academic Teaching Center, Linz, Austria.

Questions and Answers with Audience Participation

12.00 h. – 13.00 h. – LUNCHEON BREAK

13.00 h. – 15.00 h.
Twentieth Scientific Session
Vascular Surgery

**Moderator:**

Manfred M. Deutsch, MD
Department of Cardiovascular Surgery and Radiology, Hietzing Hospital, Vienna, Austria.

13.00 A Dual Incision Approach for Complete First Rib Resection to Prevent Injuries and Recurrence in Thoracic Outlet Syndrome (TOS): J. Ernesto Molina, MD, PhD, FICA, Professor of Surgery; Co-Chairperson, Scientific Committee, International College of Angiology; Editor, International Journal of Angiology, Official Journal of the International College of Angiology; Division of Cardiovascular and Thoracic Surgery, Department of Surgery, University of Minnesota, Minneapolis, Minnesota, USA.

13.10 Complex Infrapopliteal Reconstructions in the Interventional Era: Manfred M. Deutsch, MD, Department of Cardiovascular Surgery and Radiology, Hietzing Hospital, Vienna, Austria.

13.20 Hybrid Therapy of Laser Ablation and Phlebectomy—Our Experience at National Cardiovascular Center Harapan Kita Hospital, Indonesia: Ismoyo Sunu, MD, PhD, FIHA, FICA, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia.

13.30 Ten Cases of Aortic Saddle Emboli Treated with Percutaneous Rheolytic Thrombectomy: Suiko Adiarto, MD, PhD, FICA, Department of Cardiology and Vascular Medicine, University of Indonesia: National Cardiovascular Center Harapan Kita Hospital, Jakarta, Indonesia.

13.40 Endovascular Treatment of Lower Extremity Non-Common Femoral Artery Pseudoaneurysms: 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, USA.
13.50 Experience and Outcomes After a Decade of Endovascular Abdominal Aortic Aneurysm Repair: Manfred Kalteis, MD, Department of Surgery, Klinikum Wels-Grieskirchen, Wels, Austria.

14.00 Xenograft Root Replacement for Excavating Aortic Root Endocarditis: Anneliese Heinz, MD, Department of Cardiac Surgery, University Hospital Innsbruck, Innsbruck, Austria.

14.10 Multidisciplinary Treatment for Critical Limb Ischemia—Experiences from Jikei University: Atsushi Ishida, MD, PhD, FICA, Lecturer, Division of Vascular Surgery, Department of Surgery, Jikei University School of Medicine, Tokyo, Japan.

Questions and Answers with Audience Participation

15.00 h. – 16.00 h.
Twenty-First Scientific Session
Poster Presentations

Moderators:
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 Journal of Angiology; Consulting 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.

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; Department of Vascular and Interventional Radiology, Henry Ford Hospital, Detroit, Michigan, USA.

15.00 Syncope as Initial Presentation of Kommerell’s Diverticulum: Mirrer Brooks, MD, Department of Medicine, Division of Cardiology, Woodhull Medical Center, Brooklyn, New York, USA; New York University School of Medicine, New York, New York, USA.

15.07 Trends of Surgical Treatment for Peripheral Arterial Disease in an Endovascular Era: Sang Jung Park, MD, Department of Surgery, Ulsan University Hospital, Ulsan, Korea.

15.14 Buttock Claudication after Hypogastric Artery Interruption Required During Aortoiliac Aneurysm Repair: Shin Hagiwara, MD, Division of Vascular Surgery, Department of Surgery, Jikei University School of Medicine, Tokyo, Japan.

15.21 Short-Term Outcome of 56 Patients with Visceral Artery Aneurysms Treated at Jikei University: Masayuki Hara, MD, Division of Vascular Surgery, Department of Surgery, Jikei University School of Medicine, Tokyo, Japan.

15.28 Evaluation of the Safety Aspects for Patients Undergoing Live Surgery at Jikei University: Yoshihiro Uchida, MD, Division of Vascular Surgery, Department of Surgery, Jikei University School of Medicine, Tokyo, Japan.

Questions and Answers with Audience Participation

16.00 h. – ICA BUSINESS MEETING—Officers and Scientific Committee Members

* CLOSE OF SCIENTIFIC SESSIONS *
Join your colleagues from around the world, earn CME, and explore key areas rapidly expanding in cardiovascular medicine and surgery. ICA 2013 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 objectives 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 2013 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: CIA vs. CAS
- Advances in Controversies: Latest Concepts in Cardiovascular Medicine and Surgery
- Debates in Cardiac 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

This Congress is jointly sponsored by the Medical Society of the State of New York.