59th Annual World Congress
International College of Angiology
In cooperation with
VASCULAR INTERNATIONAL &
Austrian Interventional Cardiology
“New Horizons in Cardiovascular Medicine”

SEPTEMBER 7, 8, 9, 2017
Marriott Hotel Vienna
Vienna, Austria

Program Chairman
Prof. Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCPC, FACC, FIACS, FICA

Chairman, Scientific Committee
Chairman, Local Organizing Committee
Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA
PD Jürgen Falkensammer, MD

Scientific Program
59th Annual World Congress ▪ ICA 2017
VASCULAR INTERNATIONAL & Austrian Interventional Cardiology
International College of Angiology

Marriott Hotel Vienna
Vienna, Austria ▪ September 7, 8, 9, 2017

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Executive Director
Denise M. Rossignol, BS
International College of Angiology
Scientific Committee

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

Otmar M. Pachinger, M.D., Chairman
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West Bloomfield, Michigan

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New Hyde Park, New York

Wei Zhou, M.D.
Tucson, Arizona

Young Investigator Award Recipients

Robert N.A. Gasser, M.D., Ph.D. (1988)
Simon Ashley, B.M., FRCS (1989)
Dimitrios N. Psathakis, M.D. (1989)
Daniel Duprez, M.D., Ph.D. (1991)
Philippe Bull, M.D. (1992)
Patricia Cristodor, M.D. (1992)
Manfred Grisold, M.D. (1992)
Bruno Papaleo, M.D. (1992)
F.C. Rada, M.D. (1992)
Patricia Amado, M.D. (1993)
Jutta Bergloff, M.D. (1993)
Claudia Dimofte, M.D. (1993)
Antti Korpela, M.D. (1993)
R.S. More, MRCP (1993)
Antero Sahlman, M.D. (1993)
I. Schafhalter, M.D. (1993)
Nilanjana Maulik, Ph.D. (1994)
J. Melichercik, M.D. (1994)
Satoshi Sakai, M.D. (1996)
Gernold Wozniak, M.D. (1996)
Sabine Horn, M.D. (1997)
Roberto Baglini, M.D. (1997)

Maziar Rahmani, M.D. (1997)
Sailaritta Vuorisalo, M.D., Ph.D. (1998)
Atsushi Ishida, M.D., Ph.D. (1999)
Daï Wangde, M.D. (1999)
Takashi Yamaki, M.D. (2000)
Mitsuhiro Yamamura, M.D. (2000)
Paul Lee, Ph.D. (2001)
Thomas Zeller, M.D. (2001)
Shoji Fukuda, M.D., Ph.D. (2002)
Randy A. Stevens, M.D. (2004)
Nadia Cosentino, M.D. (2005)
Erick McNair, M.Sc. (2005)
Suresh Varma Penumathsa (2006)
Mahesh Thirunavukkarasu (2006)
Joseph F. Ndisang, PharmD, PhD (2007)
Ramesh Vidavalur, M.D. (2007)
Aruna Poduri, Ph.D. (2010)
John Samas, M.D. (2010)
Xuan Zhang, B.S. (2010)
Jang Yong Kim, M.D. (2011)
Ivy Cheng, B.S. (2013)
Gautham Chitriragi, M.B.B.S. (2013)
Brandon Sumpio (2013)
Sisca Natalia Siagian, M.D. (2015)
Jakub Honek, M.D. (2016)
Pavol Tomasov, M.D. (2016)
Denisa Jahnoeva, M.D. (2016)

Professor John B. Chang Research Achievement Award Recipients

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

Francis Robicsek, M.D. (2005)
Sibu P. Saha, M.D., MBA (2009)
Victor A. Ferraris, M.D., Ph.D. (2010)
John D. Corson, M.B., Ch.B. (2010)
Otmar M. Pachinger, M.D., Ph.D. (2011)
Elie D. Aboulafia, M.D. (2013)
Edward Ross, M.D. (2014)
Josef Vesevkla, M.D., Ph.D. (2015)
Thomas F. Whayne, Jr., M.D., Ph.D. (2017)

ICA Lifetime Achievement Award
Kailash Prasad, MBBS (Hons), M.D., Ph.D., D.Sc. (2015)
John B. Chang, M.D. (Posthumously 2016)
International College of Angiology
59th Annual World Congress
Organizing Committee

Program Chairman
Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCPC, FACC, FIACS, FICA
Professor Emeritus of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada
Chairman, Board of Directors, International College of Angiology
Consulting Editor, International Journal of Angiology
Department of Physiology
College of Medicine, University of Saskatchewan
Saskatoon, Saskatchewan, Canada

Chairman, Scientific Committee
Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA
Professor Emeritus, Distinguished Professor of Cardiology, Medical University of Innsbruck, Innsbruck, Austria; Member, Board of Directors, International College of Angiology; Chairperson, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; President, Austrian Heart Foundation, Innsbruck, Austria.

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Executive Director and CME Program Administrator, International College of Angiology; Managing Editor, International Journal of Angiology, Jay, Vermont.

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Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA
Professor Emeritus, Distinguished Professor of Cardiology, Medical University of Innsbruck, Innsbruck, Austria; Member, Board of Directors, International College of Angiology; Chairperson, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; President, Austrian Heart Foundation, Innsbruck, Austria.

Co-Chairperson, Local Organizing Committee
PD Jürgen Falkensammer, MD
Consultant in Vascular Surgery, Department of Vascular Surgery, Wilhelminenhospital, Vienna, Austria.
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>
<th>Venue</th>
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<tbody>
<tr>
<td>1958</td>
<td>1st Annual Meeting Atlantic City, New Jersey</td>
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<td>1959</td>
<td>2nd Annual Meeting Mexico City, Mexico</td>
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<td>1960</td>
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<td>1962</td>
<td>5th Annual Meeting Las Vegas, Nevada</td>
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<td>1963</td>
<td>Caribbean Conference on Angiology San Juan, Puerto Rico</td>
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<td>1964</td>
<td>6th Annual Meeting</td>
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<td>1965</td>
<td>7th Annual Meeting London, England</td>
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<td>1966</td>
<td>8th Annual Meeting Madrid, Spain</td>
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<td>1967</td>
<td>9th Annual Meeting Las Vegas, Nevada</td>
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<td>1968</td>
<td>10th Annual Meeting Geneva, Switzerland</td>
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<td>1969</td>
<td>11th Annual Meeting Rome, Italy</td>
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<td>1970</td>
<td>12th Annual Meeting Dublin, Ireland</td>
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<td>1971</td>
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<td>1972</td>
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<td>15th Annual Meeting Lisbon, Portugal</td>
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<td>16th Annual Meeting Montreal, Canada</td>
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<td>1974</td>
<td>French Scientific Congress Paris, France</td>
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<td>1975</td>
<td>17th Annual Meeting Herzlia, Israel</td>
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<td>1976</td>
<td>18th Annual Meeting Tucson, Arizona</td>
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<td>1977</td>
<td>19th Annual Meeting Dublin, Ireland</td>
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<td>1978</td>
<td>20th Annual Meeting Marbella, Spain</td>
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<td>1979</td>
<td>21st Annual Meeting St. Louis, Missouri</td>
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<td>1980</td>
<td>22nd Annual Meeting Vienna, Austria</td>
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<td>1981</td>
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<td>1982</td>
<td>24th Annual Meeting Antwerp, Belgium</td>
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<td>32nd Annual Meeting Toronto, Canada</td>
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<td>34th Annual Congress Budapest, Hungary</td>
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<td>38th World Congress Cologne, Germany</td>
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<td>39th Annual World Congress Istanbul, Turkey</td>
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<td>40th Annual World Congress Lisbon, Portugal</td>
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<td>1999</td>
<td>41st Annual World Congress Sapporo, Japan</td>
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<td>2000</td>
<td>42nd Annual World Congress San Diego, California</td>
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<td>43rd Annual World Congress Berlin, Germany</td>
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<td>2002</td>
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<td>2003</td>
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<td>2005</td>
<td>47th Annual World Congress Uncasville, Connecticut</td>
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<td>2006</td>
<td>48th Annual World Congress Charlotte, North Carolina</td>
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<td>2007</td>
<td>49th Annual World Congress Vancouver, Canada</td>
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<td>2008</td>
<td>50th Golden Anniversary Congress Tokyo, Japan</td>
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<td>2009</td>
<td>51st Annual World Congress Beijing, China</td>
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<td>2010</td>
<td>52nd Annual World Congress Lexington, Kentucky</td>
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<td>2011</td>
<td>53rd Annual World Congress Bali, Indonesia</td>
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<td>2012</td>
<td>54th Annual World Congress Innsbruck, Austria</td>
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<td>2013</td>
<td>55th Annual World Congress New Haven, Connecticut</td>
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<td>2014</td>
<td>56th Annual World Congress Columbus, Ohio</td>
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<td>2015</td>
<td>57th Annual World Congress Jakarta, Indonesia</td>
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<td>2016</td>
<td>58th Annual World Congress Prague, Czech Republic</td>
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59th Annual World Congress—ICA 2017
In cooperation with
VASCULAR INTERNATIONAL and Austrian Interventional Cardiology
General Program Information

Congress Description/Objectives
The overall mission of the 59th Annual World Congress of the International College of Angiology is to bring together basic and clinical scientists to share current knowledge and techniques in angiology to update the pathophysiology of disease, clinical diagnostic methods, and treatment for improved healthcare delivery and future research.

This program will provide a forum for the synthesis of State-of-the-Art information that encompasses the pathophysiology, clinical diagnosis, and treatment of cardiovascular 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. The theme of the 59th Annual World Congress of the ICA in conjunction with VASCULAR INTERNATIONAL and Austrian Interventional Cardiology is “New Horizons in Cardiovascular Medicine.”

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.

The global goal of this Congress and Symposium are to communicate a commitment by providing needs-based education that is independent of commercial interests and foster changes in target audience knowledge, competence and performance to ultimately improve patient outcomes.

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 cardiovascular 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 nationally and internationally recognized invited guest lectures, special symposia, oral and poster presentations and exhibits, highlighting the most challenging and controversial topics and 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 questions and answers between the presenters and the audience.

Hands-On Skills Training Workshops
In an era of duty hour restrictions, simulation offers a viable alternative to bridge the gap in experience and knowledge. Our courses are intended to promote endovascular skills and procedural performance for vascular and cardiac interventions. This two-day series of interventional workshops is aimed at trainees in angiography, radiology, cardiology and vascular surgery with interest in interventional techniques. All sessions are essentially hands-on with basics being taught “on the way.” Simulator training is extremely popular and anyone wishing to participate in one of our courses is strongly advised to book sessions in advance. All pre-arranged sessions will last 180 minutes.

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 electronic 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 25 August 2017. 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.
The venue for our 59th Annual World Congress will be the Marriott Hotel Vienna, located in the heart of Austria's capital city, boasting exceptional placement on Vienna's breathtaking Ringstrasse and only moments away from the Vienna Opera House, St. Stephen's Cathedral and much more. Enjoy an unforgettable visit to Austria at the Vienna Marriott Hotel. **PLEASE NOTE: This hotel does not provide shuttle service. Kindly refer to the “Airport Transportation” below.** On-site parking fee at the Marriott Hotel Vienna is: 4.80 EUR/hour; 35 EUR/daily.

**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 Registration Desk for the Congress. We ask that you wear your name badge at all group sponsored functions. It will help you get acquainted with your colleagues.

**Airport Transportation**

**ARRIVALS HALL**

After the baggage claim area and customs you come through one of two sliding doors into the Arrivals hall.

**TAXI SERVICE**

The taxi stand is right in front of the Arrivals hall. Please utilize the right-hand exit. Estimated taxi fare: 55 EUR (one-way).
Airport Transportation (Continued)

**LIMOUSINE SERVICE (CITY TRANSFER COUNTER)**
The limousine service (city transfer counter) is on the left of the Arrivals hall after leaving the baggage claim area.

**BUS STATION**
The bus station is in front of the Arrivals Hall. You can use any of the exits. Bus service, approximate fee: 8 EUR (one-way).

**TRAIN STATION**
One you have arrived in the Arrivals hall from the baggage claim area, please keep right. Use the exit on Level – 1 to the railway station and follow the guidance system signs.

The CAT and the ÖBB ticket counter can also be found in the Arrivals hall directly by the exit to Level – 1. Ticket machines are located in the Arrivals hall, the passages to the platforms and on the platforms. The path from the Arrivals hall to the platforms has ramps and lifts without any barriers. For more information about the time schedules and ticket fare, please refer to: [www.cityairporttrain.com](http://www.cityairporttrain.com).

- Take City Airport Train (CAT) to Wien Mitte/Landstrasse (non-stop, 16 minutes); approximate fee: 11 EUR (one-way)

**Registration Desk Hours**
- Thursday, 7 September 07.30 h. – 16.30 h.
- Friday, 8 September 07.30 h. – 16.30 h.
- Saturday, 9 September 07.30 h. – 14.00 h.

**Scientific Sessions**
Please refer to the “Schedule-At-A-Glance” for room assignment of all Symposiums and Workshops. All Symposiums and Workshops will be held in the in the Marriott Hotel Vienna.

**Messages**
We request all meeting participants to turn off or lower their cellular telephones, or utilize their “vibrate” feature on the cellular telephone.

**Faculty Disclosure Policy**
In accord with ACCME standards, the ICA has adopted the same policies for its programs, whereby the ICA 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.
Dear Colleagues,

On behalf of the Local Organizing Committee it is a great pleasure and honor for us to welcome you to the 59th Annual World Congress of the International College of Angiology in cooperation with VASCULAR INTERNATIONAL and Austrian Interventional Cardiology and the city of Vienna, the capital of Austria. Vienna, often called the “City of Music,” has played host to composers such as Brahms, Bruckner, Halévy, and Richard Strauss.

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. The theme of this congress is “New Horizons in Vascular Medicine.”

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.

We are personally looking forward to an exciting meeting, and hope Vienna offers you an enjoyable and unforgettable stay!

Sincerely,

O.Univ.-Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA
PD. Jürgen Falkensammer, MD

Chairman
Professor Emeritus, Distinguished Professor of Cardiology
Medical University of Innsbruck, Innsbruck, Austria
President, Austrian Heart Foundation, Innsbruck, Austria
Member, Board of Directors, International College of Angiology
Chairperson, Scientific Committee, International College of Angiology
Senior Editor, International Journal of Angiology

Co-Chairman
Consultant in Vascular Surgery
Department of Vascular Surgery
Wilhelminenhospital, Vienna, Austria
59th Annual World Congress • International College of Angiology 2017
in cooperation with
VASCULAR INTERNATIONAL and Austrian Interventional Cardiology
Program Chairman’s Welcome Address

Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCPC, FACC, FIACS, FICA
Professor Emeritus, Department of Physiology, College of Medicine
University of Saskatchewan, Saskatoon, Canada

On behalf of the International College of Angiology, it gives me great pleasure to welcome you all to the 59th Annual World Congress in Vienna and to say how grateful we are to the participants who have come here to exchange their experience in the management of cardiovascular diseases. This three day congress will provide an excellent opportunity to discuss at length the latest development and emerging challenges in the field of angiology. We are pleased to have highly respected and world renowned speakers taking part in this congress. During this congress you will have ample opportunity to interact with fellow clinicians and scientists in an endeavour to advance the knowledge for patient care. The 59th Annual World Congress in cooperation with VASCULAR INTERNATIONAL and Austrian Interventional Cardiology, will provide an opportunity for networking, as well as to renew old friendships and make new ones.

On your behalf and ours, I want to give a hearty thanks to Professor Otmar M. Pachinger and PD. Jürgen Falkensammer, Chairs of the Local Organizing Committee for their time, energy and dedication to make this congress a wonderful and successful event.

Again, it is with a deep sense of pride and honour, that I, on behalf of the International College of Angiology welcome all of you and wish you a delightful and stimulating week here in Vienna, “The City of Music.”

Sincerely

Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCPC, FACC, FIACS, FICA
Chairman, Board of Directors
Program Chairman
Dear Friends and Colleagues,

On behalf of the International College of Angiology and Professor Otmar M. Pachinger and PD. Jürgen Falkensammer, Chairs of the Local Organizing Committee, it is my pleasure to welcome you to the 59th Annual World Congress of the ICA in cooperation with VASCULAR INTERNATIONAL and Austrian Interventional Cardiology.

The theme of this year’s congress is “New Horizons in Vascular Medicine”

This annual world congress will feature a panel of internationally renowned faculty and recognized leaders who will present and discuss state-of-the-art techniques along with a comprehensive overview of the latest research developments in the diagnosis and treatment of cardiovascular disease. Plenary sessions, satellite hands-on-training workshops, panel discussions and question and answer sessions will highlight the most cutting edge and controversial topics and procedures, performed in interventional medicine.

During this congress, you will join your colleagues from around the world and explore key areas rapidly expanding in cardiovascular diseases. Both ICA 2017 and VASCULAR INTERNATIONAL and Austrian Interventional Cardiology are 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, nurses and allied healthcare personnel.

Your interaction with colleagues from around the world will stimulate a creative exchange of ideas and provide you with the opportunity to renew old friendships and forge new ones.

We look forward to your active participation in the 59th Annual World Congress — ICA 2017 in cooperation with VASCULAR INTERNATIONAL and Austrian Interventional Cardiology.

Sincerely,

Rajinder P. Sharma, MD, FSIR, FICA
President, International College of Angiology
Associate Professor of Radiology
Wayne State University School of Medicine
Former Senior Staff, Interventional Radiology
Henry Ford Hospital, Detroit, Michigan
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<td>09.00</td>
<td>Therapy of Vascular Stroke</td>
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<td>W. Lang, Vienna</td>
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<td>09.30</td>
<td>Structure of Stroke Centers: A Multidisciplinary Approach—An American</td>
<td>S. Saha, Lexington</td>
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<td>Stroke Units and the Austrian Stroke Unit Network</td>
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<td>10.00</td>
<td>Intracranial Thrombus Retrieval: Techniques &amp; Results</td>
<td>F. Wolf, Vienna</td>
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<td>10.15</td>
<td>Optimal Timing of Carotid Revascularization</td>
<td>R. J. Toorop, Utrecht</td>
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<td>Carotid Revascularization</td>
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<td>Near Infra-Red Spectroscopy Analysis of the Carotid Artery Plaque</td>
<td>P. Hajek, Prague</td>
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<td>11.15</td>
<td>Optimal Medical Treatment—Standard of Care for Patients with Carotid</td>
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<td>11.30</td>
<td>Identification of High-Risk Patients with Asymptomatic Carotid Stenosis</td>
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<td>11.45</td>
<td>High Grade Asymptomatic Carotid Stenosis: Who Should be Treated?</td>
<td>H. H. Eckstein, Munich</td>
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<td>Indication for Carotid Surgery in Women</td>
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<td>Challenges in Thoracic Aortic Surgery</td>
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<td>Implications of Work—Time Regulations: The Chief's Perspective</td>
<td>W. Hofmann, Feldkirch</td>
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<td>13.00</td>
<td>Implications of Work—Time Regulations: The Resident's Perspective</td>
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<td>New Training Concepts in Cardiology</td>
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<td>New Training Concepts in Cardiac Surgery</td>
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<td>New Horizons in Peripheral Artery Disease</td>
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<td>Thoracoabdominal Aortic Aneurysm Repair</td>
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<td>T. Schmidli, T. Kölbel</td>
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<td>Stem Cell for the Treatment of Peripheral Arterial Disease</td>
<td>R. Franz, Columbus</td>
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<td>Endovascular Management of Total Occlusion of the Abdominal Aorta: Mid-</td>
<td>S. Saha, Lexington</td>
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<td>Management of Type B Acute Aortic Dissection in Developing Countries:</td>
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<td>Stent versus Bypass for Femoropopliteal Lesions in TASC II Type C &amp; D</td>
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<td>15.45</td>
<td>The Future Standard of Care for Juxtarenal AAA's</td>
<td>A. Greiner, Berlin</td>
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<td>CARDIOGENIC STROKE</td>
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<td>Triple Therapy in AF after PCI—For Whom and for How Long?</td>
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<td>H. Alber, Klagenfurt</td>
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<td>14.00</td>
<td>Do We Need an Antidote for NOAC’s?</td>
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<td>The 90th Angio—Standard Anaconda in Angulated Necks</td>
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<td>A. Stehr, Mülheim</td>
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<td>Development of a New Device for the Treatment of Juxtarenal AAA</td>
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<td>Mid-RM Results after Fenestrated Endovascular Aortic Repair (FEVAR)</td>
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<td>OPTIMAL PREVENTION STUDIES IN 2017</td>
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<td>Evaluation of Experience with Lower Extremity Arterial Injuries</td>
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<td>Bigger is no Longer Better in the Era of New Generation Drug-Eluting</td>
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<td>Thoracic Aortic Aneurysm: Reading the Enemy's Playbook</td>
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59th Annual World Congress • International College of Angiology 2017
in cooperation with
VASCULAR INTERNATIONAL and Austrian Interventional Cardiology
Marriott Hotel Vienna
Vienna, Austria
September 7, 8, 9, 2017

Scientific Program
Thursday, 7 September 2017
08.30 h. — 09.00 h.

Opening Ceremony and Introductions

Master of Ceremonies
Introduction By:

Prof. Josef Veselka, MD, PhD, FESC, FSCAI, FICA
Professor of Internal Medicine (Cardiology); Member and Secretary General, Board of Directors, Co-Chairperson, Scientific Committee and Chairman, Local Organizing Committee, 58th Annual World Congress, International College of Angiology; Member, Editorial Board, International Journal of Angiology; Head, Department of Cardiology, Motol University, 2nd Faculty of Medicine, Charles University, Prague, Czech Republic.

Program Chairman

Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCP, FACC, FIACS, FICA
Professor Emeritus, Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada; Chairman, Board of Directors, and Program Chairman, 58th Annual World Congress, International College of Angiology; Consulting Editor, International Journal of Angiology.

President

Rajinder P. Sharma, MD, FSIR, FICA
Clinical Associate Professor of Radiology, Wayne State University School of Medicine, Detroit, Michigan, USA; Former Senior Staff, Interventional Radiology, Henry Ford Hospital, Detroit, Michigan, USA; Member, Board of Directors, International College of Angiology; Editor, International Journal of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology.

Chairmen, Scientific Committee

Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA
Professor Emeritus, Distinguished Professor of Cardiology, Medical University of Innsbruck, Innsbruck, Austria; Member, Board of Directors, International College of Angiology; Chairperson, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; President, Austrian Heart Foundation, Innsbruck, Austria.

PD. Jürgen Falkensammer, MD
Consultant in Vascular Surgery, Department of Vascular Surgery, Wilhelminenhospital, Vienna, Austria.

Chairman's Address

Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCP, FACC, FIACS, FICA
Professor Emeritus, Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada; Chairman, Board of Directors, and Program Chairman, 58th Annual World Congress, International College of Angiology; Consulting Editor, International Journal of Angiology.

Presidential Address

Rajinder P. Sharma, MD, FSIR, FICA
Clinical Associate Professor of Radiology, Wayne State University School of Medicine, Detroit, Michigan, USA; Former Senior Staff, Interventional Radiology, Henry Ford Hospital, Detroit, Michigan, USA; Member and President Board of Directors and Co-Chairperson, Scientific Committee, International College of Angiology; Editor, International Journal of Angiology.

Welcome Address

Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA
Professor Emeritus, Distinguished Professor of Cardiology, Medical University of Innsbruck, Innsbruck, Austria; Member, Board of Directors, International College of Angiology; Chairperson, Scientific Committee, International College of Angiology; Senior Editor, International Journal of Angiology; President, Austrian Heart Foundation, Innsbruck, Austria.

PD. Jürgen Falkensammer, MD
Consultant in Vascular Surgery, Department of Vascular Surgery, Wilhelminenhospital, Vienna, Austria.

Professor John B. Chang Research Achievement Award

Presentation By:

Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCP, FACC, FIACS, FICA
Professor Emeritus, Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada; Chairman, Board of Directors, and Program Chairman, 58th Annual World Congress, International College of Angiology; Consulting Editor, International Journal of Angiology.

Recipient:

Thomas F. Whayne Jr., MD, PhD, FICA
Professor of Medicine (Cardiology); Vice President, International College of Angiology; Gill Heart Institute, University of Kentucky, Lexington, Kentucky, USA.
### Symposium 1

**Therapy of Vascular Stroke**

**Chairpersons:**

- **Univ.-Prof. Dr. Wilfried Lang, MD**
  Head, Department of Neurology, Neurological Rehabilitation and Geriatrics, Hospital Barmherzige Brüder, Vienna, Austria.
  Professor of Surgery and Bioengineering; Member, Board of Directors and Scientific Committee, International College of Angiology and Member, Editorial Board, *International Journal of Angiology*; Chief, Division of Cardiovascular and Thoracic Surgery, University of Kentucky, Lexington, Kentucky, USA.

- **Sibu P. Saha, MD, MBA, FICA**
  Professor of Surgery and Bioengineering; Member, Board of Directors and Scientific Committee, International College of Angiology and Member, Editorial Board, *International Journal of Angiology*; Chief, Division of Cardiovascular and Thoracic Surgery, University of Kentucky, Lexington, Kentucky, USA.

**09.00 Structure of Stroke Centers—A Multidisciplinary Approach: An American Perspective:**

- Sibu P. Saha, MD, MBA, FICA, Professor of Surgery and Bioengineering; Member, Board of Directors and Scientific Committee, International College of Angiology and Member, Editorial Board, *International Journal of Angiology*; Chief, Division of Cardiovascular and Thoracic Surgery, University of Kentucky, Lexington, Kentucky, USA.

**09.15 Stroke Units and the Austrian Stroke Unit Network:**

- **Univ.-Prof. Dr. Wilfried Lang, MD**, Head, Department of Neurology, Neurological Rehabilitation and Geriatrics, Hospital Barmherzige Brüder, Vienna, Austria.

**09.30 Update on Thrombolysis in Acute Stroke Patients:**

- **Univ.-Prof. Dr. Walter Pirker, MD**, University of Vienna School of Medicine, Vienna, Austria.

**09.45 Intracranial Thrombus Retrieval—Technique and Result:**

- **Univ.-Prof. Dr. Florian Wolf, MD**, Vice Director, Division of Cardiovascular and Interventional Radiology, Medical University of Vienna, Vienna, Austria.

**10.00 Optimal Timing of Carotid Revascularization:**


**Discussion**

**10.15 h. – 10.45 h. — COFFEE BREAK**

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### Symposium 2

**Carotid Revascularization**

**Chairpersons:**

- **Wei Zhou, MD, FACS, FICA**
  Professor of Surgery; Member and Treasurer, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editorial Board, *International Journal of Angiology*; Chief, Vascular Surgery, Department of Surgery, University of Arizona, Tucson, Arizona, USA.

- **Univ.-Prof. Dr. Hans Henning Eckstein, MD**
  Director, Department of Vascular and Endovascular Surgery, Klinikum rechts der Isar, Munich Technical University, Munich, Germany; President, Foundation VASCULAR INTERNATIONAL.

**10.45 Near Infra-Red Spectroscopy Analysis of the Carotid Artery Plaque Composition based on the Distribution of Endothelial Shear Stress:**

- Martin Horváth, MD, Petr Hájek, MD, PhD, FICA, Vice President, International College of Angiology; Cyril Štěchovský, MD, Josef Veselka, MD, PhD, FICA, Professor of Internal Medicine; Member and Secretary General, Board of Directors, International College of Angiology; Editor, *International Journal of Angiology*; Chief, Department of Cardiology, 2nd School of Medicine, Charles University, University Hospital Motol, Prague, Czech Republic.

**11.00 Optimal Medical Treatment—Standard of Care for Patients with Carotid Artery Disease:**

- **ao.Univ.-Prof. Dr. Marianne Broadmann, MD**, Division of Angiology, University Clinic for Internal Medicine, Graz, Austria.

**11.15 Identification of High-Risk Patients with Asymptomatic Carotid Stenosis: Fact vs. Fiction:**

- **Wei Zhou, MD, FACS, FICA**, Professor of Surgery; Member and Treasurer, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editorial Board, *International Journal of Angiology*; Chief, Vascular Surgery, Department of Surgery, University of Arizona, Tucson, Arizona, USA.

**11.30 High-Grade Asymptomatic Carotid Stenosis: Who should be Treated?**

- **Univ.-Prof. Dr. Hans Henning Eckstein, MD**, Director, Department of Vascular and Endovascular Surgery, Klinikum rechts der Isar, Munich Technical University, Munich, Germany; President, Foundation VASCULAR INTERNATIONAL.

**11.45 Indication for Carotid Surgery in Women:**

- **Univ.-Prof. Dr. Tina Cohnert, MD**, Department of Surgery, LKH University Klinikum Graz, Graz, Austria.

**Discussion**

**12.15 h. – 13.00 h. — LUNCHEON BREAK**
Hands-On Skills Training Workshops

Congress attendance is obligatory for attending any of the workshops.

Thursday, 7 September 2017 (Continued)

Workshop 1
09.00 h. – 12.00 h.
Room 1
Aortic Interventions—Standard EVAR I
(Sponsored by Vascutek)

This workshop will focus on the endovascular treatment of aortoiliac occlusive disease, abdominal aortic aneurysm and thoracic aortic aneurysms using devices from several manufacturers and thereby allowing the user to learn about properties of different devices. For some of these workshops, electronic simulators are used, others are based on the famous pulsatile aortic flow model from Vascular International School.

Objectives:
- Assessment of an aortic pathology for endovascular accessibility
- Sizing and Planning
- Device Selection
- Thoracic endovascular aneurysm repair
- Infrarenal endovascular aneurysm repair
- Iliac Aneurysms: How to use an iliac branch device
- Fenestrated Devices: How to gain access to the visceral arteries
- Covered Endovascular Reconstruction of the Aortic Bifurcation (CERAB)

Workshop 2
09.00 h. – 12.00 h.
Room 2
Percutaneous Access
(Sponsored by Abbott)

This workshop has been designed to teach basic interventional techniques from gaining percutaneous access and selection and use of catheters and wires to treating iliac and infrainguinal stenotic lesions of the arteries. There will be two separate workshops focusing on percutaneous access and peripheral interventions.

Objectives:
- To understand indications and contraindications for percutaneous access
- To train percutaneous access on a flow-model.
- Sheaths, wires and catheters
- Passing the lesion
- How to use PTA balloons, peripheral stents and stent grafts.

Workshop 3
09.00 h. – 12.00 h.
Room 3
Coronary Interventions I
(Sponsored by Cordis)

This program has been designed to provide hands-on practice for diagnostic coronary angiography and percutaneous coronary interventions using a variety of tools.

Objectives:
- Selection of the ideal access
- Criteria for selection and use of diagnostic catheters
- Assessment of target lesions
- Selection and use of coronary stents
- How to select and use occlusion devices
- Difficult anatomies, special devices

12.15 h. – 13.00 h. — LUNCHEON BREAK
Exhibition Hall
Scientific Sessions

Thursday, 7 September 2017 (Continued)
13.00 h. – 14.15 h.
Lecture Hall 1

Symposium 3
13.00 h. – 14.15 h.
Cardiogenic Stroke
Chairpersons:
Univ.-Prof. Dr. Berndt Lüderitz, MD, PhD. (Hon.), FESC, FACC, FAHA, FHRS  
Professor of Medicine, Head, Emeritus, Department of Medicine and Cardiology, University of Bonn, Bonn, Germany.
Univ.-Prof. Dr. Kurt Huber, MD, FESC, FAHA  
Director, 3rd Department of Medicine and Cardiology, Wilhelminenspital, Vienna, Austria.

13.00  The Risk of Stroke in Atrial Fibrillation:  
Univ.-Prof. Dr. Berndt Lüderitz, MD, PhD. (Hon.), FESC, FACC, FAHA, FHRS  
Professor of Medicine, Head, Emeritus, Department of Medicine and Cardiology, University of Bonn, Bonn, Germany.

13.15  The Role of Subclinical Atrial Fibrillation in Stroke Etiology:  
Priv.-Doz. Dr. Markus Stühlinger, MD  
Department of Internal Medicine III, Medical University of Innsbruck, Innsbruck, Austria.

13.30  Triple Therapy in Atrial Fibrillation after Percutaneous Coronary Intervention: For Whom and for How Long?  
Priv.-Doz. Dr. Hannes Alber, MD  
Head, Department of Internal Medicine and Cardiology, Klinikum Klagenfurt am Wörthersee, Klagenfurt am Wörthersee, Austria; Medical University of Innsbruck, Innsbruck, Austria.

13.45  Do we need an Antidote for NOAC’s?  
Univ.-Prof. Dr. Kurt Huber, MD, FESC, FAHA  
Director, 3rd Department of Medicine and Cardiology, Wilhelminenspital, Vienna, Austria.

Discussion

14.15 h. – 14.45 h. — COFFEE BREAK
Exhibition Hall

Symposium 4
14.45 h. – 16.00 h.
Lecture Hall 1

Valvular Interventions
Chairpersons:
John A. Elefteriades, MD, FACS, FICA  
William W.L. Glenn Professor of Cardiothoracic Surgery; Second Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editor-in-Chief, International Journal of Angiology; Director, Aortic Institute at Yale-New Haven, Yale University School of Medicine, New Haven, Connecticut, USA.
Univ.-Prof. Dr. Günter Lauffer, MD  
Chief, Department of Cardiac Surgery, Medical University of Vienna, Vienna, Austria.

14.45  Surgical Aortic Valve Replacement—State of the Art:  
Univ.-Prof. Dr. Günter Lauffer, MD  
Chief, Department of Cardiac Surgery, Medical University of Vienna, Vienna, Austria.

15.00  Indications and Outcomes of Transcatheter Aortic Valve Implantation:  
Dr. Florian Egger, MD  
3rd Medical Department, Cardiology and Emergency Medicine, Wilhelminenspital, Vienna, Austria.

15.15  Should Transcatheter Aortic Valve Implantation (TAVI) be performed in Intermediate Risk Patients?  
Priv.-Doz. Dr. Georg Delle-Karth, MD  
Head, 4th Medical Department of Cardiology, Hospital Hietzing with Neurological Centre Rosenhügel, Vienna, Austria; Head, Institute of Cardiovascular and Intensive Care Research, Karl Landsteiner Society.

15.30  Lotus: A New Generation of Transcatheter Valve:  
Petr Hájek, MD, PhD, FICA  
Vice President, International College of Angiology; Prof. Josef Veselka, MD, PhD, FICA, Professor of Internal Medicine; Member and Secretary General, Board of Directors, International College of Angiology; Editor, International Journal of Angiology; Chief, Department of Cardiology, 2nd School of Medicine, Charles University, University Hospital Motol, Prague, Czech Republic.

15.45  Simultaneous Transcatheter Aortic Valve Implantation and Left Atrial Appendage Occlusion:  
Priv.-Doz. Dr. Ronald K. Binder, MD  
Department of Cardiology, Klinikum Wels-Grieskirchen, Wels, Austria.

Discussion
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<tr>
<th>Time</th>
<th>Oral Presentations</th>
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<tbody>
<tr>
<td>15.00</td>
<td><strong>Long-Term Results of Endovascular Femoral Popliteal Interventions:</strong> Robert Hacker, MD, FACS¹, Luke Marone, MD²; ¹Mercy St. Vincent Medical Center, Toledo, Ohio, USA; ²West Virginia Medical Center, Morgantown, West Virginia, USA.</td>
</tr>
<tr>
<td>15.10</td>
<td><strong>Can Simple, Inexpensive Autonomic Assessment Assist in Hypertension Management?</strong> Gary L. Murray, MD, FICA, Co-Chairperson, Membership Committee, International College of Angiology; Director, Cardiovascular Research, The Heart and Vascular Institute, Germantown, Tennessee, USA.</td>
</tr>
<tr>
<td>15.25</td>
<td><strong>Cluster Headache and the Heart:</strong> Malka Yahalom, MD, DSc, FICA¹, Ofir Koren, MD, FICA¹, Yoav Turgeman, MD¹,²; ¹Heart Institute, HaEmek Medical Center, Afula, Israel; ²Rappaport Faculty of Medicine, Technion, Haifa, Israel.</td>
</tr>
<tr>
<td>15.35</td>
<td><strong>Endovascular Revascularization of Arch Arteries for Severe Cerebral Ischemia due to Takayasu’s Arteritis:</strong> Professor Sanjay Tyagi, MD, DM, FACC, FESC, FSCAI, Professor of Medicine, Director and Head, Department of Cardiology; M.P. Girish, MD, DM, Mohit D. Gupta, MD, DM, Ankit Bansal, MD, DM, Sumod Kurien, MD, DM; Department of Cardiology, GB Pant Institute of Postgraduate Medical Education and Research, Jawahar Lal Nehru Marg, New Delhi, India.</td>
</tr>
<tr>
<td>15.45</td>
<td><strong>Post-Traumatic Pseudoaneurysms of the Limbs: A 7-Year Review of a Single Vascular Surgery Centre in Morocco:</strong> Bright Bentfor, MD, AFICA, Mahmoud Jarghon, MD, Abdellatif Bouarhroum, MD, Faculté de Médecine, Université Sidi Mohammed Ben Abdellah, Centre Hospitalier Hassan II, Fez, Morocco.</td>
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<tr>
<td>15.55</td>
<td><strong>Stress Induced Cardiomyopathy also known Tako-Tsubo Cardiomyopathy:</strong> Tahir Tak, MD, PhD, FICA, Editorial Board, International Journal of Angiology; Shahyar Gharacholu, MD, Charles Cagin, DO; Division of Cardiovascular Diseases, Mayo Clinic, Rochester, Minnesota, USA; Mayo Clinic Health Systems, Lacrosse, Wisconsin, USA.</td>
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<tr>
<td><strong>Discussion</strong></td>
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**Special Lecture 1**  
**Professor John B. Chang Memorial Lecture**  
**Endovascular Repair of Arch Aneurysms**

*Introduction By:*  
Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCP, FACC, FIACS, FICA  
Professor Emeritus, Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada; Chairman, Board of Directors, and Program Chairman, 58th Annual World Congress, International College of Angiology; Consulting Editor, International Journal of Angiology.

*Presentation By:*  
Takao Ohki, MD, PhD, FICA  
Professor of Surgery, Albert Einstein School of Medicine, Bronx, New York, USA; Member, Board of Directors, International College of Angiology; Editor, International Journal of Angiology; Chairman, Department of Surgery and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan.

**Discussion**
**Hands-On Skills Training Workshops**

**Congress attendance is obligatory for attending any of the workshops.**

**Thursday, 7 September 2017 (Continued)**

<table>
<thead>
<tr>
<th>Workshop 4</th>
<th>13.30 h. – 16.30 h.</th>
<th>Room 1</th>
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</table>
| **Iliac Interventions and Covered Endovascular Reconstruction of the Aortic Bifurcation (CERAB)**  
*(Sponsored by AMP/Bentley)* | | |
| This workshop will be the second of three satellite workshops focus on the implantation of iliac branch devices for the treatment of iliac artery aneurysms, the use of connecting stents for fenestrated endografting and performing the CERAB procedure. | | |
| **Objectives:** | | |
| • Assessment of an aortic pathology for endovascular accessibility | | |
| • Sizing and Planning | | |
| • Device Selection | | |
| • Infrarenal endovascular aneurysm repair | | |
| • Iliac Aneurysms: How to use an iliac branch device | | |
| • Fenestrated Devices: How to gain access to the visceral arteries | | |
| • Covered Endovascular Reconstruction of the Aortic Bifurcation (CERAB) | | |

<table>
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<tr>
<th>Workshop 5</th>
<th>13.30 h. – 16.30 h.</th>
<th>Room 2</th>
</tr>
</thead>
</table>
| **Peripheral Vascular Interventions I**  
*(Sponsored by Cook)* | | |
| This series of workshops have been designed to teach basic interventional techniques from gaining percutaneous access and selection and use of catheters and wires to treating iliac and infrainguinal stenotic lesions of the arteries. This is the second of two separate workshops focusing on percutaneous access and peripheral interventions. | | |
| **Objectives:** | | |
| • To understand indications and contraindications for percutaneous access | | |
| • To train percutaneous access on a flow-model. | | |
| • Sheaths, wires and catheters | | |
| • Passing the lesion | | |
| • How to use PTA balloons, peripheral stents and stent grafts. | | |

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Symposium 5  
Friday, 8 September 2017  
08.30 h. – 10.00 h.  
Lecture Hall 1

Challenges in Thoracic Aortic Surgery

Chairpersons:

Univ-Prof. Dr. Martin Grabenwöger, MD  
Professor of Surgery, Department of Cardiovascular Surgery, Hospital Hietzing, Vienna, Austria.

Randall W. Franz, MD, FACS, FICA, RVT, RPVI  
Chief, Vascular and Endovascular Surgery, Medical Director, Grant Vascular and Vein Center; Assistant Professor of Surgery, Ohio State University; Professor of Surgery, Ohio University, Columbus, Ohio, USA; First Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editorial Board, *International Journal of Angiology*.

08.30  Genetics on Thoracic Aortic Aneurysms: *John A. Elefteriades, MD, FACS, FICA*, William W.L. Glenn Professor of Cardiothoracic Surgery; Second Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Director, Aortic Institute at Yale-New Haven, Yale University School of Medicine, New Haven, Connecticut, USA.

08.45  Outcomes of Conventional Aortic Arch Repair: *Univ-Prof. Dr. Martin Grabenwöger, MD*, Professor of Surgery, Department of Cardiovascular Surgery, Hospital Hietzing, Vienna, Austria.

09.00  Indications and Outcomes of Endovascular Aortic Arch Repair: *Prof. Dr. med. Tilo Kölbl, MD*, Department of Vascular Medicine, University Heart Center Hamburg GmbH (UHZ), Hamburg, Germany.

09.15  Guilt by Association: Paradigm for Detecting a Silent Killer (Thoracic Aortic Aneurysm): *John A. Elefteriades, MD, FACS, FICA*, William W.L. Glenn Professor of Cardiothoracic Surgery; Second Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Director, Aortic Institute at Yale-New Haven, Yale University School of Medicine, New Haven, Connecticut, USA.

09.30  TEVAR for Acute Thoracic Aortic Injury: *Randall W. Franz, MD, FACS, FICA, RVT, RPVI*, Chief, Vascular and Endovascular Surgery, Medical Director, Grant Vascular and Vein Center; Assistant Professor of Surgery, Ohio State University; Professor of Surgery, Ohio University, Columbus, Ohio, USA; First Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editorial Board, *International Journal of Angiology*.

Discussion

10.00 h. – 10.30 h. — COFFEE BREAK

Exhibition Hall

Symposium 6  
10.30 h. – 12.00 h.  
Lecture Hall 1

Thoracoabdominal Aortic Aneurysm Repair

Chairpersons:

Univ.-Prof. Dr. Jürg Schmidli, MD  
Department of Cardiovascular Surgery, Inselspital-University Hospital, Bern, Switzerland.

Prof. Dr. med. Tilo Kölbl, MD  
Department of Vascular Medicine, University Heart Center Hamburg GmbH (UHZ), Hamburg, Germany.

10.30  Intermediate- and Long-Term Outcome of Open TAAA Surgery: *Univ.-Prof. Dr. Andreas Greiner, MD*, Professor of Vascular Surgery, Department of General, Visceral and Vascular Surgery, Charité Universitätsmedizin Berlin, Germany.

10.45  Intermediate- and Long-Term Outcome of Endovascular TAAA Surgery: *Univ.-Prof. Dr. Piotr R. Kasprzak, MD*, Medical Director of Vascular and Cardiovascular Surgery, Department of Vascular and Endovascular Surgery, University Hospital Regensburg, Clinic and Polyclinic for Surgery, Regensburg, Germany.

11.00  Spinal Cord Ischemia after Open TAAA Repair: How Can this Complication be Prevented? Open Repair: *Univ.-Prof. Dr. Jürg Schmidli, MD*, Department of Cardiovascular Surgery, Inselspital-University Hospital, Bern, Switzerland.

11.15  Spinal Cord Ischemia after Endovascular TAAA Repair: How Can this Complication be Prevented? Endovascular Repair: *Univ.-Prof. Dr. Piotr R. Kasprzak, MD*, Medical Director of Vascular and Cardiovascular Surgery, Department of Vascular and Endovascular Surgery, University Hospital Regensburg, Clinic and Polyclinic for Surgery, Regensburg, Germany.

11.30  The Future Standard of Care for Juxtarenal AAA’s: *Univ.-Prof. Dr. Andreas Greiner, MD*, Professor of Vascular Surgery, Chairman, Department of Vascular Surgery, Charité Universitätsmedizin Berlin, Berlin, Germany.

Discussion

12.00 h. – 12.45 h. — LUNCHEON BREAK

Exhibition Hall
Hands-On Skills Training Workshops

Congress attendance is obligatory for attending any of the workshops.

Friday, 8 September 2017 (Continued)

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<th>Workshop</th>
<th>Time</th>
<th>Room</th>
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<tr>
<td>6</td>
<td>08.30 h. – 11.30 h.</td>
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<tr>
<td>FEVAR</td>
<td>(Sponsored by Getinge)</td>
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Several workshops focus on the endovascular treatment of aortoiliac occlusive disease, abdominal aortic aneurysm and thoracic aortic aneurysms using devices from several manufacturers and thereby allowing the user to learn about properties of different devices. For some of these workshops, electronic simulators are used, others are based on the famous pulsatile aortic flow model from Vascular International School. Three satellite workshops focus on the implantation of iliac branch devices for the treatment of iliac artery aneurysms, the use of connecting stents for fenestrate endografting and performing the CERAB procedure.

**Objectives:**
- Assessment of an aortic pathology for endovascular accessibility
- Sizing and Planning
- Device Selection
- Thoracic endovascular aneurysm repair
- Infrarenal endovascular aneurysm repair
- Iliac Aneurysms: How to use an iliac branch device
- Fenestrated Devices: How to gain access to the visceral arteries

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<tr>
<td>7</td>
<td>08.30 h. – 11.30 h.</td>
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<tr>
<td>Peripheral Interventions II</td>
<td>(Sponsored by Cook)</td>
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This series of workshops have been designed to teach basic interventional techniques from gaining percutaneous access and selection and use of catheters and wires to treating iliac and infrainguinal stenotic lesions of the arteries. This is the second of two separate workshops focusing on percutaneous access and peripheral interventions.

**Objectives:**
- To understand indications and contraindications for percutaneous access
- To train percutaneous access on a flow-model.
- Sheaths, wires and catheters
- Passing the lesion
- How to use PTA balloons, peripheral stents and stent grafts

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<tr>
<td>8</td>
<td>08.30 h. – 11.30 h.</td>
<td>2</td>
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<tr>
<td>EVAR II</td>
<td>(Sponsored by Medtronic)</td>
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Several workshops focus on the endovascular treatment of aortoiliac occlusive disease, abdominal aortic aneurysm and thoracic aortic aneurysms using devices from several manufacturers and thereby allowing the user to learn about properties of different devices. For some of these workshops, electronic simulators are used, others are based on the famous pulsatile aortic flow model from Vascular International School. Three satellite workshops focus on the implantation of iliac branch devices for the treatment of iliac artery aneurysms, the use of connecting stents for fenestrate endografting and performing the CERAB procedure.

**Objectives:**
- Assessment of an aortic pathology for endovascular accessibility
- Sizing and Planning
- Device Selection
- Thoracic endovascular aneurysm repair
- Infrarenal endovascular aneurysm repair
- Iliac Aneurysms: How to use an iliac branch device
- Fenestrated Devices: How to gain access to the visceral arteries

12.00 h. – 12.45 h. — LUNCHEON BREAK
Exhibition Hall
Scientific Sessions

Friday, 8 September 2017 (Continued)

Luncheon Symposium 7
12.00 h. – 12.45 h.
Lecture Hall 1
Implications of Antithrombotic Therapy in Acute and Elective Vascular Surgery
(Sponsored by Daiichi Sankyo/Mitsubishi)

Chairperson:
Prof. Dr. Ingrid Pabinger-Fasching
Clinical Department of Hematology and Haemostaseology, Medical University of Vienna, University Clinic for Internal Medicine I, Vienna, Austria.

12.00 Perioperative Management of Patients on New Oral Anticoagulants: Prof. Dr. Ingrid Pabinger-Fasching, Clinical Department of Hematology and Haemostaseology, Medical University of Vienna, University Clinic for Internal Medicine I, Vienna, Austria.

12.15 ACCP Guidelines for Patients with Heparin-Induced Thrombocytopenia Type: Priv. Doz. Dr. Josef Klocker, MD, University Clinic for Vascular Surgery, Medical University Innsbruck, Innsbruck, Austria.

Discussion

Symposium 8
12.45 h. – 14.00 h.
Lecture Hall 1
Juxtarenal AAA Repair
(Sponsored by Vascutek)

Chairpersons:
Priv.-Doz. Dr. Afshin Assadian, MD
Head, Department of Vascular Surgery, Wilhelminenspital, Vienna, Austria.
Dr. Nick Burfitt, BSc, MB, BChir, MRCS, FRCR

12.45 Impact of Clamping Level on Morbidity and Mortality: Univ.-Prof. Dr. Jürg Schmidli, MD, Department of Cardiovascular Surgery, Inselspital-University Hospital, Bern, Switzerland.


13.30 Mid-Term Results after Fenestrated Endovascular Aortic Repair (FEVAR): Priv.-Doz. Dr. Afshin Assadian, MD, Head, Department of Vascular Surgery, Wilhelminenspital, Vienna, Austria.

13.45 Endovascular Treatment of Type IV TAAA: PD Jürgen Falkensammer, MD, Co-Chairman, Local Organizing Committee, 59th Annual World Congress, International College of Angiology; Department of Vascular Surgery, Wilhelmin hospital, Vienna, Austria.

Discussion

14.00 h. – 14.30 h. — COFFEE BREAK
Exhibition Hall
Hands-On Skills Training Workshops

**Congress attendance is obligatory for attending any of the workshops.**

**Friday, 8 September 2017 (Continued)**

### Workshop 9

**13.00 h. – 16.00 h.**  
**Room 1**

**EVAR III & TEVAR**  
*(Sponsored by Cook)*

Several workshops focus on the endovascular treatment of aortoiliac occlusive disease, abdominal aortic aneurysm and thoracic aortic aneurysms using devices from several manufacturers and thereby allowing the user to learn about properties of different devices. For some of these workshops, electronic simulators are used, others are based on the famous pulsatile aortic flow model from Vascular International School. Three satellite workshops focus on the implantation of iliac branch devices for the treatment of iliac artery aneurysms, the use of connecting stents for fenestrate endografting and performing the CERAB procedure.

**Objectives:**
- Assessment of an aortic pathology for endovascular accessibility
- Sizing and Planning
- Device Selection
- Thoracic endovascular aneurysm repair
- Infrarenal endovascular aneurysm repair
- Iliac Aneurysms: How to use an iliac branch device
- Fenestrated Devices: How to gain access to the visceral arteries

### Workshop 10

**13.00 h. – 16.00 h.**  
**Room 2**

**The Iliac Branch Device**  
*(Sponsored by Jotec)*

Several workshops focus on the endovascular treatment of aortoiliac occlusive disease, abdominal aortic aneurysms using devices from several manufacturers and thereby allowing the user to learn about properties of different devices. For some of these workshops, electronic simulators are used, others are based on the famous pulsatile aortic flow model from Vascular International School. Three satellite workshops focus on the implantation of iliac branch devices for the treatment of iliac artery aneurysms, the use of connecting stents for fenestrate endografting and performing the CERAB procedure.

**Objectives:**
- Assessment of an aortic pathology for endovascular accessibility
- Sizing and Planning
- Device Selection
- Thoracic endovascular aneurysm repair
- Infrarenal endovascular aneurysm repair
- Iliac Aneurysms: How to use an iliac branch device
- Fenestrated Devices: How to gain access to the visceral arteries

### Workshop 11

**13.00 h. – 16.00 h.**  
**Room 3**

**TAVI**  
*(Sponsored by Medtronic)*

This course features a Simbionix electronic simulator, allowing the implantation of aortic valves. Users can train on different virtual patients and gain experience with complicated anatomies and various pathologies.

**Objectives:**
- To acquire a standardized technique in a step-by-step setting
- Sizing and Planning
- Device Selection
- Hands-on device deployment
- To discuss technical problems with the experts
- To understand how to avoid the most commonly encountered complications

**14.00 h. – 14.30 h. — COFFEE BREAK**

*Exhibition Hall*
Symposium 9  
**Friday, 8 September 2017 (Continued)**  
14.30 h. – 15.45 h.  
**Lecture Hall 1**  
**Structural Heart Disease**  
**Chairpersons:**

**Prof. Josef Veselka, MD, PhD, FICA**  
Professor of Internal Medicine; Member and Secretary General, Board of Directors, International College of Angiology; Editor, *International Journal of Angiology*; Chief, Department of Cardiology, 2nd School of Medicine, Charles University, University Hospital Motol, Prague, Czech Republic.  
*Univ.-Prof. Dr. Michael Grimm, MD, FICA (Hon.)*  
Department of Cardiac Surgery, Medical University of Innsbruck, Innsbruck, Austria.

- **14.30** Novel Findings in Hypertrophic Cardiomyopathy: **Prof. Josef Veselka, MD, PhD, FICA**, Professor of Internal Medicine; Member and Secretary General, Board of Directors, International College of Angiology; Editor, *International Journal of Angiology*; Chief, Department of Cardiology, 2nd School of Medicine, Charles University, University Hospital Motol, Prague, Czech Republic.

- **14.45** Preserving the Aortic Valve in Ascending Aortic Aneurysms: **Univ.-Prof. Dr. Michael Grimm, MD, FICA (Hon.)**, Department of Cardiac Surgery, Medical University of Innsbruck, Innsbruck, Austria.

**15.00** Tricuspid Valve—An Overview from a Surgical Aspect: **Prof. Dr. Choi-Keung Ng, MD, FICA**, Professor of Surgery; Vice President, Scientific Council, International College of Angiology; Innsbruck, Austria.

**15.15** Acute Myocardial Infarction in Indonesia: **Iwan Dakota, MD, PhD, FICA, FAPSIC, FESC, FACC, FSCAI**, Vice President and Regional Secretary, International College of Angiology; Editorial Board, *International Journal of Angiology*; Director of Medical and Nursing, National Cardiovascular Center Harapan Kita; Head, Vascular Intervention, Vascular Division, Department of Cardiology and Vascular Medicine, University of Indonesia, School of Medicine, Jakarta, Indonesia.

**Discussion**

**Poster Session 1**  
14.30 h. – 15.30 h.  
**Lecture Hall 2**  
**Moderated Poster Session I**

**Moderators:**

**Prof. Pertti T. Aarnio, MD, PhD, FICA**  
Emeritus Professor of Surgery, University of Turku, Pori, Finland; Emeritus, Chief, Department of Surgery, Satakunta Central Hospital, Pori, Finland; Member, Board of Directors and Co-Chairperson, Scientific Committee, International College of Angiology, Senior Editor, *International Journal of Angiology*.

**Ernesto P. Molmenti, MD, PhD, MBA, FICA**  
Member and President-Elect, Board of Directors, International College of Angiology; Editorial Board, *International Journal of Angiology*; Vice Chairman, Department of Surgery; Director, Adult and Pediatric Kidney Transplantation; Professor of Surgery and Medicine, Northwell Health, Manhasset, New York, USA.

- **14.30** Two Cases of Incidentally Diagnosed Ovarian Vein Thrombosis in Post-Menopausal Women: **June Zhi Yun Koh, MBBS, MRCP(UK)**, Er Chaozer, MRCP(UK), MMed, FAMS, Navin Kuthiah, BM (UK), MRCP (UK); Department of General Medicine, Vascular Medicine Division, Tan Tock Seng Hospital, Singapore.

- **14.37** Gestation Based Adjustment to Conduct of Cardiopulmonary Bypass (CPB)-Assisted Surgery during Pregnancy Optimized Maternal-Fetal Outcomes: **Gregory B. Dalshaug, BSP, MD, FRCS, FACS**, Taras Roman Mycyk, Bsc, MD, FRCSC, Mark Rosin, MPS, CPC, CCP, Jo-Anne Marcoux, Msc, CPC, CCP; Department of Cardiac Surgery, Royal University Hospital, Saskatoon, Saskatchewan, Canada.

- **14.44** Two Cases of Lung Cancer Associated Tumor Thrombosis: **Stephanie Jia Ling Quek**, Navin Kuthiah, BM (UK), MRCP (UK), Associate Consultant; Er Chaozer, MRCP(UK), MMed, FAMS; Department of General Medicine, Vascular Medicine Division, Tan Tock Seng Hospital, Singapore.

- **14.51** Hyperhomocysteinemia in Arterial and Venous Thrombosis: A Report of Two Cases and Review: **Ashish Anil Sule**, MBBS, MD, MRCP, FAMS, FICA, FRCP, Senior Consultant, General Medicine, Vascular Medicine and Hypertension, Tan Tock Seng Hospital, Singapore; **Gao Mingqi**, Medical Student; Zou Yuhan, Medical Student; National University of Singapore, Yong Loo Lin School of Medicine, Singapore.

- **14.58** May-Thurner Syndrome—A Case Presentation and Review: **Ashish Anil Sule**, MBBS, MD, MRCP, FAMS, FICA, FRCP, Senior Consultant, General Medicine, Vascular Medicine and Hypertension, Tan Tock Seng Hospital, Singapore; **Gao Mingqi**, Medical Student; **Zou Yuhan**, Medical Student; National University of Singapore, Yong Loo Lin School of Medicine, Singapore.

- **15.05** A Case of Antiphospholipid Syndrome and Severe Thrombocytopenia: Challenges in Anti-Coagulation: **Renuka Murali Govind, MBBS, MRCP**, Ashish Anil Sule, MBBS, MD, MRCP, FAMS, FICA, FRCP, Senior Consultant, General Medicine, Vascular Medicine and Hypertension, Tan Tock Seng Hospital, Singapore; **Gao Mingqi**, Medical Student; Zou Yuhan, Medical Student; National University of Singapore, Yong Loo Lin School of Medicine, Singapore.

**Discussion**
Iwan Dakota, MD, PhD, FICA, FAPSIC, FESC, FACC, FSACI
Vice President and Regional Secretary, International College of Angiology; Editorial Board, *International Journal of Angiology*; Director of Medical and Nursing, National Cardiovascular Center Harapan Kita; Head, Vascular Intervention, Vascular Division, Department of Cardiology and Vascular Medicine, University of Indonesia, School of Medicine, Jakarta, Indonesia.

Sibu P. Saha, MD, MBA, FICA
Professor of Surgery and Bioengineering; Member, Board of Directors and Scientific Committee, International College of Angiology; Editorial Board, *International Journal of Angiology*; Chief, Division of Cardiovascular and Thoracic Surgery, University of Kentucky, Lexington, Kentucky, USA.

15.30 Clinical Outcomes of Total Endovascular Aneurysm Repair for Aortic Aneurysms Involving the Proximal Anastomotic Aneurysm following Initial Open Repair for Infrarenal Abdominal Aortic Aneurysm: Takeshi Baba, MD, PhD, FICA, Professor of Surgery, Albert Einstein School of Medicine, Bronx, New York, USA; Member, Board of Directors, International College of Angiology; Editor, *International Journal of Angiology*; Chairman, Department of Surgery and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; Yuki Kanaoka, MD, PhD, FICA, Atsushi Ishida, MD, PhD, FICA, Hiromasa Tachihara, MD, PhD, Koji Maeda, MD, PhD, Masayuki Hara, MD, PhD, Reo Takizawa, MD, Makiko Oomori, MD, Yoshihiko Chouno, MD; Division of Vascular Surgery, Department of Surgery, Jikei University School of Medicine, Tokyo, Japan.

15.37 Initial Outcomes of Branch Endovascular Aneurysm Repair for Arch Aneurysm: Koji Maeda, MD, PhD, FICA, Professor of Surgery, Albert Einstein School of Medicine, Bronx, New York, USA; Member, Board of Directors, International College of Angiology; Editor, *International Journal of Angiology*; Chairman, Department of Surgery and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; Yuki Kanaoka, MD, PhD, FICA, Atsushi Ishida, MD, PhD, FICA, Hiromasa Tachihara, MD, PhD, Masayuki Hara, MD, PhD, Takeshi Baba, MD, Reo Takizawa, MD, Makiko Oomori, MD, Yoshihiko Chouno, MD; Division of Vascular Surgery, Department of Surgery, Jikei University School of Medicine, Tokyo, Japan.

15.44 Closure of Tears by Amplatz Vascular Plug II for Chronic Aneurysmal Aortic Dissection: Masayuki Hara, MD, Yoshihiko Chono, MD, Makiko, Oomori, MD, Reo Takizawa, MD, Takeshi Baba, MD, Koji Maeda, MD, PhD, Hiromasa Tachihara, MD, PhD, Atsushi Ishida, MD, PhD, FICA, Takao Ohki, MD, PhD, FICA, Professor of Surgery, Albert Einstein School of Medicine, Bronx, New York, USA; Member, Board of Directors, International College of Angiology; Editor, *International Journal of Angiology*; Chairman, Department of Surgery and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan.

15.51 Outcomes of the Treatment for Isolated Superior Mesenteric Artery Dissection: Masamichi Momose, MD, Takao Ohki, MD, PhD, FICA, Professor of Surgery, Albert Einstein School of Medicine, Bronx, New York, USA; Member, Board of Directors, International College of Angiology; Editor, *International Journal of Angiology*; Chairman, Department of Surgery and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan.

15.58 Elastic Compression Add-On Therapy in Patients Affected by Deep Venous Thrombosis: Sebastiano Quartuccio, MD, G. Trapani, MD, R. Pardeo, MD, Egidio Imbalzano, MD, Department of Clinical and Experimental Medicine, University of Messina, Messina, Italy.

15.05 Buerger's Disease in Women Presenting as Atypical Raynaud’s Phenomenon: Veerendra Chadachan, MD, MRCP, FAMS, Nihar Pandit, MD, Tay Jam Chin, MD; Tan Tock Seng Hospital, Singapore.

15.12 Bigger is No Longer Better in the Era of New Generation Drug-Eluting Stents: Kazuyuki Shirai, MD, Professor of Medicine; Amane Ike, MD, Shin-ichiro Miura, MD, Keijiro Saku, MD, Hidenori Urata, MD, Fukuoka University School of Medicine, Fukuoka, Japan.

Discussion
Friday, 8 September 2017 (Continued)

**Oral Session 2**

**15.45 h. – 16.15 h.**

**ICA Young Investigators Award Competition**

**Moderators:**

Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA
Professor Emeritus, Distinguished Professor of Cardiology, Medical University of Innsbruck, Innsbruck, Austria; Member, Board of Directors, International College of Angiology; Chairperson, Scientific Committee, International College of Angiology; Senior Editor, *International Journal of Angiology*; President, Austrian Heart Foundation, Innsbruck, Austria.

Rajinder P. Sharma, MD, FSIR, FICA
Clinical Associate Professor of Radiology, Wayne State University School of Medicine, Detroit, Michigan, USA; Former Senior Staff, Interventional Radiology, Henry Ford Hospital, Detroit, Michigan, USA; Member and President Board of Directors and Co-Chairperson, Scientific Committee, International College of Angiology; Editor, *International Journal of Angiology*.

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**15.45** Evaluation of Experience with Lower Extremity Arterial Injuries at an Urban Level 1 Trauma Center over 10-Years:

Christopher F. Tanga, DO, Joshua H. Hill, MD, John A. Galante, DO, Michael L. Lieber, MS, Randall W. Franz, MD, FACS, FICA, RVT, RPVI, Chief, Vascular and Endovascular Surgery, Medical Director, Grant Vascular and Vein Center; Assistant Professor of Surgery, Ohio State University; Professor of Surgery, Ohio University, Columbus, Ohio, USA; First Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editorial Board, *International Journal of Angiology*; Ohio Health Doctors Hospital and Grant Medical Center and Ohio University Heritage College of Osteopathic Medicine, Columbus, Ohio, USA.

**15.55** Near-Infrared Spectroscopy Analysis of the Carotid Artery Plaque and Markers of Atherosclerosis Risk: Cyril Štěchovský, MD, Petr Hájek, MD, PhD, Vice President, Scientific Council, International College of Angiology; M. Horváth, MD, Prof. Josef Veselka, MD, PhD, FICA, Professor of Internal Medicine; Member and Secretary General, Board of Directors, International College of Angiology; Editor, *International Journal of Angiology*; Chief, Department of Cardiology, 2nd School of Medicine, Charles University, University Hospital Motol, Prague, Czech Republic.

**Discussion**

**16.15 h. – 16.30 h. — COFFEE BREAK**

**Exhibition Hall**

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**Special Lecture 2**

**16.30 h. – 17.00 h.**

**Dr. Lucy J. Chang Special Lecture**

Recipient Criteria Predictive of Graft Failure in Kidney Transplantation

**Introduction By:**

Rajinder P. Sharma, MD, FSIR, FICA
Clinical Associate Professor of Radiology, Wayne State University School of Medicine, Detroit, Michigan, USA; Former Senior Staff, Interventional Radiology, Henry Ford Hospital, Detroit, Michigan, USA; Member and President Board of Directors and Co-Chairperson, Scientific Committee, International College of Angiology; Editor, *International Journal of Angiology*.

**Presentation By:**

Ernesto P. Molmenti, MD, PhD, MBA, FICA
Member and President-Elect, Board of Directors, International College of Angiology; Editorial Board, *International Journal of Angiology*; Vice Chairman, Department of Surgery; Director, Adult and Pediatric Kidney Transplantation; Professor of Surgery and Medicine, Northwell Health, Manhasset, New York, USA.

**Discussion**

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**Special Lecture 3**

**17.00 h. – 17.30 h.**

**Special Lecture**

Thoracic Aortic Aneurysm: Reading the Enemy’s Playbook

**Introduction By:**

Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA
Professor Emeritus, Distinguished Professor of Cardiology, Medical University of Innsbruck, Innsbruck, Austria; Member, Board of Directors, International College of Angiology; Chairperson, Scientific Committee, International College of Angiology; Senior Editor, *International Journal of Angiology*; President, Austrian Heart Foundation, Innsbruck, Austria.

**Presentation By:**

John A. Elefteriades, MD, FACS, FICA
William W.L. Glenn Professor of Cardiothoracic Surgery; Second Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editor-in-Chief, *International Journal of Angiology*; Director, Aortic Institute at Yale-New Haven, Yale University School of Medicine, New Haven, Connecticut, USA.

**Discussion**
### Symposium 10  
**Saturday, 9 September 2017**

**Symposium 10**

**08.30 h. – 10.00 h.**

**Lecture Hall 1**

**New Training Concepts—How Should we Teach the Next Generation?**

*Chairpersons:*

**PD Jürgen Falkensammer, MD**
Co-Chairman, Local Organizing Committee, 59th Annual World Congress, International College of Angiology; Department of Vascular Surgery, Wilhelminenhospital, Vienna, Austria.

**Ernesto P. Molmenti, MD, PhD, MBA, FICA**
Professor of Surgery and Medicine, Member and President-Elect, Board of Directors, International College of Angiology; Editorial Board, *International Journal of Angiology*; Vice Chairman, Department of Surgery; Director, Adult and Pediatric Kidney Transplantation; Northwell Health, Manhasset, New York, USA.

#### 08.30 Implications of Work—Time Regulations: The Chief’s Perspective: *Univ.-Doz. Dr. Wolfgang J. Hofmann, MD*, Department of Vascular Surgery, LKH Feldkirch, Feldkirch, Austria.

#### 08.45 Implications of Work—Time Regulations: The Resident’s Perspective: *Fadi Taher, MD*, Department of Vascular and Endovascular Surgery, Wilhelminenspital, Vienna, Austria.

#### 09.00 New Training Concepts in Cardiology: *Univ.-Prof. Dr. Thomas Weiss, MD*, 3rd Department of Medicine, Wiener Krankenanstaltenverbund, Vienna, Austria.

#### 09.15 New Training Concepts in Radiology: *Univ.-Prof. Dr. Christian Loewe, MD*, Vice Head, Department of Cardiovascular and Interventional Radiology, Medical University of Vienna, Vienna, Austria.

#### 09.30 New Training Concepts in Cardiac Surgery: *Prof. Dr. Alfred Kocher, MD*, Department of Cardiac Surgery, Medical University of Vienna, Vienna, Austria.


**Discussion**

**10.15 h. – 10.45 h. — COFFEE BREAK**

*Exhibition Hall*

### Symposium 11

**10.45 h. – 12.00 h.**

**Lecture Hall 1**

**New Horizons in Peripheral Arterial Disease**

*Chairpersons:*

**Prim.Univ.-Doz. Dr. Thomas Joachim Hölzhenbein, MD**
Head, Department of Vascular and Endovascular Surgery, University Hospital Salzburg, Salzburg, Austria.

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

#### 10.45 Stem Cell for Treatment of Peripheral Vascular Disease: *Randall W. Franz, MD, FACS, FICA, RVT, RPVI*, Chief, Vascular and Endovascular Surgery, Medical Director, Grant Vascular and Vein Center; Assistant Professor of Surgery, Ohio State University; Professor of Surgery, Ohio University, Columbus, Ohio, USA; First Vice Chairman and Member, Board of Directors, International College of Angiology; Co-Chairperson, Scientific Committee, International College of Angiology; Editorial Board, *International Journal of Angiology*.

#### 11.00 Endovascular Management of Total Occlusion of the Abdominal Aorta: Mid-term Follow-up: *Sibu P. Saha, MD, MBA, FICA*, Professor of Surgery and Bioengineering; Member, Board of Directors and Scientific Committee, International College of Angiology; Editorial Board, *International Journal of Angiology*; Chief, Division of Cardiovascular and Thoracic Surgery, University of Kentucky, Lexington, Kentucky, USA.

#### 11.15 Management of Type B Acute Aortic Dissection in Developing Countries: A Single Center Experience: *Iwan Dakota, MD, PhD, FICA, FAPSIC, FESC, FACC, FSCAI*, Vice President and Regional Secretary, International College of Angiology; Editorial Board, *International Journal of Angiology*; Director of Medical and Nursing, National Cardiovascular Center Harapan Kita; Head, Vascular Intervention, Vascular Division, Department of Cardiology and Vascular Medicine, University of Indonesia, School of Medicine, Jakarta, Indonesia.

#### 11.30 Stent versus Bypass for Femoropopliteal Lesions in TASC II Type C and D Lesions—Preliminary Results of a Prospective Randomized Study: *Florian K. Enzmann, MD*, Department of Vascular and Endovascular Surgery, University Hospital Salzburg, Salzburg, Austria.

**Discussion**

**12.00 h. – 12.45 h. — LUNCHEON BREAK**

*Exhibition Hall*
Optimal Preventions Studies in 2017

Chairpersons:

Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCP, FACC, FICAS, FICA
Professor Emeritus, Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada; Chairman, Board of Directors, International College of Angiology; Consulting Editor, International Journal of Angiology.

Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA
Member, Board of Directors, International College of Angiology; Chairman, Scientific Committee and Local Organizing Chairman, 59th Annual World Congress, International College of Angiology; Senior Editor, International Journal of Angiology; Innsbruck, Austria.

12.45  AGEs/sRAGE but not sRAGE is a Risk Marker for Cardiovascular Disease—Prof. Albert Senn Memorial Lecture: Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCP, FACC, FICAS, FICA, Professor Emeritus, Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada; Chairman, Board of Directors, International College of Angiology; Consulting Editor, International Journal of Angiology.

13.00  The Role of Non-Traditional Cardiovascular Risk Markers in the Era of Multiple Guidelines: Thomas F. Whayne Jr., MD, PhD, FICA, Professor of Medicine (Cardiology); Vice President, International College of Angiology; Gill Heart Institute, University of Kentucky, Lexington, Kentucky, USA.

13.15  PCSK9 Inhibition: The Holy Grail?  Univ.-Prof. Dr. Kurt Huber, MD, Director, 3rd Department of Medicine and Cardiology, Wilhelminenspital, Vienna, Austria.

13.30  Why is Cardiovascular Mortality Still the Leading Cause of Death?  Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA, Member, Board of Directors, International College of Angiology; Chairman, Scientific Committee and Local Organizing Chairman, 59th Annual World Congress, International College of Angiology; Senior Editor, International Journal of Angiology; Innsbruck, Austria.

13.45  Treatment Modalities for Advanced Glycation End Products and its Receptor Mediated Cardiovascular Diseases—Prof. Hans J. Hachen Memorial Lecture: Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCP, FACC, FICAS, FICA, Professor Emeritus, Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada; Chairman, Board of Directors, International College of Angiology; Consulting Editor, International Journal of Angiology.

Discussion

— CLOSE OF SCIENTIFIC SESSIONS —

Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA
Member, Board of Directors, International College of Angiology; Chairman, Scientific Committee and Local Organizing Chairman, 59th Annual World Congress, International College of Angiology; Senior Editor, International Journal of Angiology; Innsbruck, Austria.

14.00 h. – 15.30 h.  Saturday, 9 September 2017  Lecture Hall 1
ICA Business Meeting
Board of Directors

15.30 h. – 16.30 h.  Saturday, 9 September 2017  Lecture Hall 1
ICA Business Meeting
Vice Presidents, Officers and Editors
ACKNOWLEDGMENTS

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60th Anniversary Annual World Congress
ICA 2018
International College of Angiology

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Tokyo, Japan

Prof. Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCPC, FICA
Program Chairman

Prof. Takao Ohki, MD, PhD, FICA
Chairman, Local Organizing Committee

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