60th Anniversary World Congress—ICA 2018
International College of Angiology
In conjunction with
13th Japan Endovascular Symposium
“The Beginning and Challenges of ICA Post John B. Chang, MD Era”

August 20-21, 2018
Jikei University School of Medicine
Tokyo, Japan

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

Chairman, Scientific Committee
Prof. Otmar M. Pachinger, MD, FESC, FAHA, FICA

Scientific Program
60th Anniversary World Congress ▪ ICA 2018
International College of Angiology
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Jikei University School of Medicine
Tokyo, Japan ▪ August 20-21, 2018

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Rajinder Sharma, MD (2015-2017)

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
Innsbruck, Austria

Scientific Committee Co-Chairpersons

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New Hyde Park, New York

Ernesto P. Molmenti, M.D., Ph.D., MBA
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Tokyo, Japan

Sibu P. Saha, M.D., MBA
Tokyo, Japan

Rajinder P. Sharma, M.D.
West Bloomfield, Michigan

Josef Veselka, M.D., Ph.D.
Prague, Czech Republic

Wei Zhou, M.D.
Tucson, Arizona

Young Investigator Award Recipients

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 Berglöff, 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. Melicherwick, M.D. (1994)
Gernold Woźniak, M.D. (1996)
Sabine Horn, M.D. (1997)
Roberto Baglini, M.D. (1997)
Maziar Rahmani, M.D. (1997)

Professor John B. Chang Research Achievement Award Recipients

Professor John B. Chang Research Achievement Award Recipients

Kailash Prasad, M.D., Ph.D. (1995)
Vikrom S. Sottiurai, M.D., Ph.D. (1997)
Kensuke Esato, M.D. (1999)
Jose Alemany, M.D. (2001)
Francis Robicsek, M.D. (2005)

Sibu P. Saha, M.D., MBA (2009)
Victor A. Ferraris, M.D., Ph.D. (2010)
J. Ernesto Molina, M.D., Ph.D. (2011)
Otmar M. Pachinger, M.D., Ph.D. (2012)
Elie D. Aboulafia, M.D. (2013)
Edward Ross, M.D... (2014)
Josef Veselka, M.D., Ph.D. (2016)
Thomas F. Whayne, Jr., M.D., Ph.D. (2017)
Takao Ohki, M.D., Ph.D. (2018)

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
60th Anniversary 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

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.

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

Chairman, Local Organizing Committee
Takao Ohki, MD, PhD, FICA
Chairman, Department of Surgery and Professor and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; Member, Board of Directors; Editor, International Journal of Angiology.

Co-Chairperson, Local Organizing Committee
Koji Maeda, MD, PhD
Department of Surgery, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan.

Congress Secretariat
Noriko Fujii
N-Practice Co., Ltd., Osaka, Japan.
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>Event</th>
<th>Venue</th>
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<tbody>
<tr>
<td>1958</td>
<td>1st Annual Meeting</td>
<td>Atlantic City, New Jersey</td>
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<tr>
<td>1959</td>
<td>2nd Annual Meeting</td>
<td>Mexico City, Mexico</td>
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<td>1960</td>
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<td>1961</td>
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<td>Las Vegas, Nevada</td>
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<td>1962</td>
<td>5th Annual Meeting</td>
<td>Caribbean Congress on Angiology, San Juan, Puerto Rico</td>
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<td>1963</td>
<td>6th Annual Meeting</td>
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<td>1964</td>
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<td>1966</td>
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<td>1967</td>
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<td>1969</td>
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<td>Rome, Italy</td>
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<td>1970</td>
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<td>1971</td>
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<td>1973</td>
<td>16th Annual Meeting</td>
<td>Lisbon, Portugal</td>
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<td>1974</td>
<td>17th Annual Meeting</td>
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<td>1975</td>
<td>18th Annual Meeting</td>
<td>Paris, France</td>
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<td>1976</td>
<td>19th Annual Meeting</td>
<td>Herzlia, Israel</td>
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<td>1977</td>
<td>20th Annual Meeting</td>
<td>Tuscon, Arizona</td>
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<td>1978</td>
<td>21st Annual Meeting</td>
<td>Dublin, Ireland</td>
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<td>1979</td>
<td>22nd Annual Meeting</td>
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<td>1980</td>
<td>23rd Annual Meeting</td>
<td>St. Louis, Missouri</td>
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<td>1981</td>
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<td>1982</td>
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<td>1983</td>
<td>26th Annual Meeting</td>
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<td>1984</td>
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<td>Antwerp, Belgium</td>
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<td>1985</td>
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<td>Killarney, Ireland</td>
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<td>1986</td>
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<td>1987</td>
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<td>1988</td>
<td>31st Annual Meeting</td>
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<td>Montreux, Switzerland</td>
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<td>1990</td>
<td>33rd Annual Meeting</td>
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<td>1991</td>
<td>34th Annual Meeting</td>
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<td>1992</td>
<td>35th Annual Meeting</td>
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<td>1993</td>
<td>36th Annual Meeting</td>
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<td>1994</td>
<td>37th Annual Meeting</td>
<td>Budapest, Hungary</td>
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<td>1995</td>
<td>38th Annual Meeting</td>
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<tr>
<td>1996</td>
<td>39th Annual World Congress</td>
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<td>1997</td>
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<td>1998</td>
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<td>1999</td>
<td>42nd Annual World Congress</td>
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<td>2000</td>
<td>43rd Annual World Congress</td>
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<td>2001</td>
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<td>2002</td>
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<td>2003</td>
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<td>2005</td>
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<td>2006</td>
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<td>2007</td>
<td>50th Annual World Congress</td>
<td>Uncasville, Connecticut</td>
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<td>2008</td>
<td>51st Annual World Congress</td>
<td>Charlotte, North Carolina</td>
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<td>2009</td>
<td>52nd World Golden Anniversary Congress</td>
<td>Vancouver, Canada</td>
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<td>2010</td>
<td>53rd Annual World Congress</td>
<td>Tokyo, Japan</td>
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<td>2011</td>
<td>54th Annual World Congress</td>
<td>Beijing, China</td>
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<td>2012</td>
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<td>2013</td>
<td>56th Annual World Congress</td>
<td>Bali, Indonesia</td>
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<td>2014</td>
<td>57th Annual World Congress</td>
<td>Innsbruck, Austria</td>
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<td>2015</td>
<td>58th Annual World Congress</td>
<td>New Haven, Connecticut</td>
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<td>2016</td>
<td>59th Annual World Congress</td>
<td>Columbus, Ohio</td>
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<td>2017</td>
<td>60th Anniversary World Congress</td>
<td>Jakarta, Indonesia</td>
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<td>2018</td>
<td>61st Annual World Congress</td>
<td>Prague, Czech Republic</td>
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<tr>
<td>2019</td>
<td>62nd Annual World Congress</td>
<td>Vienna, Austria</td>
</tr>
<tr>
<td>2020</td>
<td>63rd Annual World Congress</td>
<td>Tokyo, Japan</td>
</tr>
</tbody>
</table>
Congress Description/Objectives

The overall mission of the 60th Anniversary 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 60th Anniversary World Congress of the ICA in conjunction with 13th Japan Endovascular Symposium is “The Beginning and Challenges of ICA Post John B. Chang, MD Era.”

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.

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 to our Executive Director NO LATER THAN 11 August 2018. 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. SPEAKERS MAY VIEW THEIR PRESENTATIONS UP TO 30-MINUTES PRIOR TO THEIR SESSION.

Name Badges

Please obtain your Congress name badge and all congress materials at the Registration Desk located in Jikei University School of Medicine, Lecture Hall 1 Lobby, 3rd Floor. We ask that you wear your name badge at all group sponsored functions. It will help you get acquainted with your colleagues.
The venue for our 60th Anniversary World Congress is Jikei University School of Medicine, Tokyo.

The Nishi-Shimbashi Campus is about a 3-minute walk from Onarimon Station and about a 10-minute walk from Uchisaiwaicho Station both on the Toei Mita Line. It is about a 7-minute walk from Kamiyacho Station on the Tokyo Metro Hibiya Line and about a 10-minute walk from Toranomon Station on the Tokyo Metro Ginza Line. The nearest JR station, Shinbashi Station, is about 12 minutes away on foot.

Jikei University School of Medicine is approximately 0.80 km (0.50 miles) in distance from the Hotel Okura.

**Registration Desk Hours**
The registration desk for the duration of the congress will be located on the 3rd Floor (3F) of Jikei University School of Medicine.

<table>
<thead>
<tr>
<th>Date</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Monday, 20 August</td>
<td>08.00 h. – 17.00 h.</td>
</tr>
<tr>
<td>Tuesday, 21 August</td>
<td>08.00 h. – 15.00 h.</td>
</tr>
</tbody>
</table>

**Scientific Sessions**
Please refer to the “Schedule-At-A-Glance” for room assignment of all Symposia, Special Lectures, Oral Presentations and e-Poster Presentations. All congress sessions will be held at Jikei University School of Medicine, Nishi-Shimbashi Campus.

**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.

**Hotel Accommodations**
We recommend the Hotel Okura, Tokyo, Japan during your stay in Tokyo, as it is within close proximity to Jikei University. Hotel accommodations are to be booked directly with the Hotel Okura, via their website: [http://www.hotelokura.co.jp/tokyo/en/](http://www.hotelokura.co.jp/tokyo/en/)

**Hotel Okura**
2-10-4 Toranomon, Minato-ku
Tokyo 104-0001
Tel. +81.03.3582.0111

**Additional Hotels**
The following hotels are within a short distance to the Congress venue, Jikei University, should you wish accommodations other than the Hotel Okura.

<table>
<thead>
<tr>
<th>Name</th>
<th>Distance</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tokyo Prince Hotel</td>
<td>(10 minute walk)</td>
<td><a href="http://www.princehotels.com/tokyo/">http://www.princehotels.com/tokyo/</a></td>
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<tr>
<td>Celestine Hotel</td>
<td>(10 minute taxi)</td>
<td><a href="http://www.celstinehotels.jp/tokyo-shiba/eng/access/">http://www.celstinehotels.jp/tokyo-shiba/eng/access/</a></td>
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<tr>
<td>Shiba Park Hotel</td>
<td>(10 minute taxi)</td>
<td><a href="http://en.shibaparkhotel.com/location/">http://en.shibaparkhotel.com/location/</a></td>
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<tr>
<td>Tokyo Grand Hotel</td>
<td>(10 minute taxi)</td>
<td><a href="http://www.tokyogrand.gr.jp/eng/access_index.html">http://www.tokyogrand.gr.jp/eng/access_index.html</a></td>
</tr>
</tbody>
</table>
It is of my utmost pleasure and honor to be able to host the 60th International College of Angiology (ICA) in Tokyo, Japan. It was the late Dr. John B. Chang who appointed me as the local organizing chairman in October 2015 during the 57th ICA meeting held in Jakarta, Indonesia. Dr. Chang passed away only 2 months after this meeting, and therefore, as far as the ICA is concerned, the 60th ICA is Dr. Chang's last word/will and I am the testamentary executor. With this in mind, we decided the theme of the 60th annual meeting to be “The Beginning and Challenges of ICA Post John B. Chang, MD”.

The meeting will run from Monday August 20th through Tuesday 21st with 4 symposiums, 5 sponsored sessions, 5 memorial lectures and numerous free abstracts from 12 different countries. In addition, the meeting will be held jointly with the 13th Japan Endovascular Symposium which will run from Wednesday through Friday.

The annual meeting will be held at Jikei University located in the central part of Tokyo, one of the most exotic cities in the World and getting better with the preparation of the 2020 Tokyo Olympics.

The ICA organizing committee is doing its utmost best to make this congress a fruitful and memorable trip for all participants, because that is the best way to express our appreciation and respect to Dr. Chang whom we owe so much.

We look forward to welcoming you in Tokyo.
On behalf of the International College of Angiology, it gives me great pleasure to welcome all of you to the 60th Anniversary World Congress in Tokyo. We are grateful to the participants who have come here to exchange their experience in the management of cardiovascular diseases.

This two-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 the congress you will have ample opportunity to interact with fellow clinicians and scientists in an endeavour to advance the knowledge for patient care. This Annual World Congress 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 Takao Ohki the Chairman of the Local Organizing Committee and his colleagues 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 Tokyo.

Sincerely,

Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCPC, FACC, FIACS, FICA
Chairman, Board of Directors
Program Chairman
60th Anniversary World Congress • International College of Angiology 2018
in conjunction with
13th Japan Endovascular Symposium
Message from the ICA President

Ernesto P. Molmenti, MD, PhD, MBA, FICA
Vice Chairman, Department of Surgery, North Shore University Hospital
Director, Adult & Pediatric Renal Transplantation
Professor of Surgery and Medicine
Northwell Health, Manhasset, New York, USA
President and Member, Board of Directors, International College of Angiology

Dear Fellows, Invited Guests and Congress Participants,

Rather than writing a long address that few of us will read, and even less would enjoy, I decided to borrow a few thoughts from many bright minds that preceded me in time and surpassed me in achievements. I hope that these scattered sentences (that I obtained from various sources and cannot claim as mine by any means) represent what many of us believe and try to fulfil.

- We never reach our goal but are rather always in the process of becoming.
- We have to constantly challenge destiny.
- Faith and courage achieve great deeds when committed to our ideals.
- We achieve our ideals when our goals are worthy.
- Our goals are worthy when we believe in ourselves and stand firm in our beliefs.
- We stand firm in our beliefs when we choose the harder right over the easier wrong, and the long-lasting beautiful truth over the short-lived deceiving falsehood.
- We not only improve ourselves to compete, but also compete to improve ourselves, maximizing our strengths and developing new ones.
- We cannot, must not, and will not turn our back on those in need. Open the window for the fly trying to get out. The world is big enough for all of us.
- The best way to possess is to give. What we cannot give will possess us. We should be free and only have temporary custody of material objects while they help us achieve our goals.
- Cross-roads, seemingly devoid of purpose, are instances to re-invigorate our goals, to re-awaken ourselves, to fortify even more the intensity of our actions and the power of our resolve.
- We need to re-invent ourselves over time. There are times to persist in our goals, times to modify our goals, and times to adopt new goals.
- Those who try to dissuade and distract us from our goals should know that we are already on our way, and that victory is waiting for us.
- We cannot limit ourselves to live limited lives guided by limited ambitions. We should live a continuous spring of hope, unafraid, unsurpassed, laughing, embracing optimism, searching for opportunities to grow and be better.
- There will always be a bright morning ahead in our journey.
- Let’s have courage to dream heroic dreams, and strength to make those dreams come true.

Sincerely,

Ernesto P. Molmenti, MD, PhD, MBA, FICA
President, International College of Angiology
Vice Chairman, Department of Surgery
North Shore University Hospital
Director, Adult & Pediatric Renal Transplantation
Professor of Surgery and Medicine
Northwell Health, Manhasset, New York, USA
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<td>The Endovascular Revolution at ikei and in Japan</td>
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<td>The Development Status and Trend of JSVS</td>
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<td>The Interplay of AGE-RAGE Axis in Coronary Stent Restenosis: A Prospective Study</td>
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<td>Toshifumi Kudo, Hiroshi Banno, Wataru Nishimura, Koji Maeda, Japan</td>
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                       | Chairpersons: Yui Kanaoka, Japan 
                       | Commentators: Masanori Inoue, Kenichiro Shigematsu, Nobuya Zempo, Takashi Murakami, Japan  
                       | 11.55 | Aortic Wall Enhancement—Possibility of a New Prognostic Indicator              | Status of Cardiovascular Medicine Associated with Commercial and Recreational Underwater Diving  
                       | Chairpersons: Taeko Ohki, Japan 
                       | Commentators: Next Generation Thoracic Stent Graft—Early Clinical Experience and Future Horizons  
                       | 11.55 | Status of Cardiovascular Medicine Associated with Commercial and Recreational Underwater Diving  
                       | Chairpersons: Thomas F. Wayne, Jr., USA 
                       | Commentators: Aortic Wall Enhancement—Possibility of a New Prognostic Indicator  
                       | 11.50 | Lunccheon Seminar 1 (Co-Sponsored by W.L. Gore & Associates Co, LTD)           | Clinical Experience of Using the World’s First Steerable Microcatheter from Japan  
                       | Chairpersons: Takao Ohki, Japan 
                       | Commentators: Sung Gun Kang, MD, Japan  
                       | 12.00 | Endovascular Interventions after Failed Revascularization                      | Clinical Experience of Using the World’s First Steerable Microcatheter from Japan  
                       | Chairpersons: Richard Schutzer, USA  
                       | Commentators: Won-Min Jo, South Korea  
                       | 12.15 | Early Mid-Term Outcomes of Primary Carotid Endarterectomy                      | Clinical Experience of Using the World’s First Steerable Microcatheter from Japan  
                       | Chairpersons: Robert Hacker, USA  
                       | Commentators: Yukio Obitsu, Tomoyasu Sat, Naoki Hayashida, Kinya Matsu, Japan  
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                       | 13.00 | Break                                                                         | Clinical Experience of Using the World’s First Steerable Microcatheter from Japan  
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                       | Chairpersons: Makoto Sumi, Japan 
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                       | 13.40 | A Multicenter Experience with Abdominal Aortic Endograft Infections in Japan  
                       | Chairpersons: Hideo Okabe, Japan 
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                       | Chairpersons: Hiroshi Banno, Japan 
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                       | 13.50 | Latest Information on image Guided Systems (Co-Sponsored by Canon Medical Systems Corporation)  
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                       | Chairpersons: Hiroshi Banno, Japan 
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                       | Chairpersons: Hiroshi Banno, Japan 
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                       | Chairpersons: Shin Ishimaru, Yoshinori Inoue, Hiroshi Komai, Yoichi Nozaki, Japan 
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<td>Exhibition Room, 2nd Floor</td>
<td>Hall 3, 3rd Floor</td>
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60th Anniversary World Congress • International College of Angiology 2018
in conjunction with
13th Japan Endovascular Symposium
Jikei University School of Medicine
Tokyo, Japan
August 20-21, 2018

Scientific Program
Monday, 20 August 2018
09.00 h. – 09.10 h.
Opening Ceremony and Welcome Address

Master of Ceremonies
Introduction By:

Takao Ohki, MD, PhD, FICA
Chairman, Department of Surgery and Professor and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; Member, Board of Directors; Editor, International Journal of Angiology.

Program Chairman and Chairman, Board of Directors
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, 60th Anniversary World Congress, International College of Angiology; Consulting Editor, International Journal of Angiology. President

Ernesto P. Molmenti, MD, PhD, MBA, FICA
Member and President, 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.

Chairman, Scientific Committee
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.

Welcome Address
Fujio Mitarai
Chairman and CEO, Canon, Inc.

09.10 h. – 09.30 h.
Local Organizing Committee Chairman’s Address
The Endovascular Revolution at Jikei and in Japan

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
Chairman, Department of Surgery and Professor and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; Member, Board of Directors; Editor, International Journal of Angiology.

09.30 h. – 10.15 h.
Memorial Lectures
Chairpersons:

Takao Ohki, MD, PhD, FICA
Chairman, Department of Surgery and Professor and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; Member, Board of Directors; Editor, International Journal of Angiology.

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, 60th Anniversary World Congress, International College of Angiology; Consulting Editor, International Journal of Angiology.

09.30 h. – 09.45 h.
Setting a New Direction in the Development of Disease: AGE-RAGE Stress
Professor John B. Chang, MD Memorial Lecture

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, 60th Anniversary World Congress, International College of Angiology; Consulting Editor, International Journal of Angiology.
### Monday, 20 August 2018
### Memorial Lectures (Continued)

**09.45 h. – 10.00 h.**

**Spontaneous Coronary Artery Dissection (SCAD)—Current State of Diagnosis and Management**

*Presentation By:*

**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.

**10.00 h. – 10.15 h.**

**Composition of Carotid Stenosis and Restenosis**

*Presentation By:*

**Josef Veselka, MD, PhD, FICA**

Professor of Internal Medicine; Member and President-Elect, 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.

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**10.15 h. – 11.00 h.**

**HOT TOPICS IN ANGIOLOGY 1**

*Chairpersons:*

**Hiroshi Shigematsu, MD**

Vascular Center, Sanno Medical Center, Tokyo, Japan; Editorial Board, *International Journal of Angiology*.

**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.

**10.15 h. – 10.30 h.**

**Key Messages of the European Society for Vascular Surgery (ESVS) Mesenteric Ischemia Guidelines**

*Presentation By:*

**Martin Björck, MD, PhD**

Professor of Vascular Surgery, Department of Surgical Sciences, Consultant, Section of Vascular Surgery, University Hospital, Uppsala, Sweden.

**10.30 h. – 10.45 h.**

**Overview of the 59th Annual Meeting of the Japanese College of Angiology in Hiroshima**

*Presentation by:*

**Masao Yoshizumi, MD**

Hiroshima University, Graduate School of Biomedical and Health Sciences, Hiroshima, Japan.

**10.45 h. – 11.00 h.**

**The Development Status and Trend of the Japanese Society for Vascular Surgery (JSVS)**

*Presentation by:*

**Tetsuro Miyata, MD**

Vascular Center, Sanno Hospital and Sanno Medical Center, Tokyo, Japan.

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**11.00 h. – 11.15 h. — BREAK**

*Exhibition Hall 7F*
Monday, 20 August 2018
11.15 h. – 11.55 h.
ORAL SESSION 1
CRITICAL LIMB ISCHEMIA

Chairpersons:

Katsuyuki Hoshina, MD
Tokyo University, Tokyo, Japan
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.

Commentators:

Toshifumi Kudo, MD
Division of Vascular Surgery, Tokyo Medical and Dental University, Tokyo, Japan.
Hiroshi Banno, MD
Nagoya University Hospital, Nagoya, Japan.
Wataru Higashiura, MD
Department of Radiology, Okinawa Prefectural Chubu Hospital, Okinawa City, Japan.
Koji Maeda, MD, PhD
Department of Surgery, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan.

• 11.15 New Evaluation Method for Critical Lower Limb Ischemia using Laser Blood-Flowmeter BFD Clinical-Lab: Sotaro Katsui, MD1, Uchiyama Hidetoshi, MD, Yohei Yamamoto, MD2, Toshifumi Kudo, MD2, Yoshinori Inoue, MD2, Ohnuki Masahiro, MD1. 1Department of Vascular and Endovascular Surgery, Tsuchiura Kyodo General Hospital, Ibaraki, Japan; 2Department of Surgical Specialties, Tokyo Medical and Dental University, Tokyo, Japan.

11.25 Undesirable Vascular Response during Peripheral Angioplasty on Systemic Lupus Erythematosus: Vito Anggarino Damay, MD, FICA, Wendy Wiharja, MD, Raymond Pranata, MD, Melisa Aziz, MD, Emanoel Oepangat, MD, Faculty of Medicine, University of Pelitas Harapan, Tangerang, Banten, Indonesia; Department of Cardiology and Vascular Medicine, Siloam Hospitals Lippo Village, Tangerang, Banten, Indonesia.

11.35 Current Management of Chronic Mesenteric Ischemia: David Epstein, MD, FACS, RVPI, FICA, Ohio Health Heart and Vascular Surgeons, Grant Medical Center, Columbus, Ohio, USA.

11.45 Malondialdehyde Induces a Pro-Inflammatory Activation of T-Cells from Human Atherosclerotic Plaque through both a Dependent and Independent Mechanism: Mizanur Rahman, MD1, Johnny Steuer, MD2, Peter Gillgren, MD2, Anquan Liu, MD1, Johan Frostegård, MD1,2; 1Institute of Environmental Medicine, Karolinska Institute, Stockholm, Sweden; 2Section of Vascular Surgery, Department of Surgery, Södersjukhuset, Institution of Clinical Science and Education, Karolinska Institute, Stockholm, Sweden; 3Division of Emergency Medicine, Karolinska University Hospital, Huddinge, Sweden.

11.55 h. – 12.35 h.
ORAL SESSION 2
ENDOVASCULAR TREATMENT

Chairpersons:

Yuji Kanaoka, MD, PhD, FICA
Kawasaki Medical School, Okayama, Japan
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.

Commentators:

Masanori Inoue, MD
Department of Radiology, Keio University School of Medicine, Tokyo, Japan.
Kunihiro Shigematsu, MD
International University of Health and Welfare, Mita Hospital, Tokyo, Japan.
Nobuya Zempo, MD
Department of Cardiovascular Surgery, Kansai Medical University Hospital, Hirakata City, Japan.
Takashi Murakami, MD, PhD
Department of Cardiovascular Surgery, Osaka City University Graduate School of Medicine, Osaka, Japan.

• 11.55 Restoration of Vision by Endovascular Reperfusion in Takayasu’s Arteritis—Case Series: Sanjay Tyagi, MD, DM(Cardiology), FAMS, FESC, FACC, Member, Editorial Board, International Journal of Angiology; Director, Professor and Head; Mohit D. Gupta, MP Girish, Swati Tyagi, Ankit Bansal, Department of Cardiology, GB Pant Institute of Postgraduate Medical Education and Research, Maulana Azad Medical College, New Delhi, India.
12.05 Open Surgery versus Hybrid Endovascular Treatment for Complete Revascularization in Infrarenal Aortoiliac Occlusive Disease: Won-Min Jo, MD, PhD, Byoung-Ju Min, MD, Jinwook Hwang, MD, Jae Sung Shin, MD, Department of Thoracic and Cardiovascular Surgery, Ansan Hospital, Korea University Medical Center, Ansan City, Gyeonggi-do, South Korea.

12.15 Endovascular Intervention after Infected Open Revascularization: Richard W. Schutzer, MD, FICA, Department of Cardiovascular Surgery, New York Presbyterian Hospital, Columbia University Medical Center, New York, New York; Editor, International Journal of Angiology.

12.25 Early and Mid-Term Outcomes of Primary Carotid Endarterectomy: Robert Hacker, MD, FACS, RVT, RPVI, Sadeep Bose, MD, Mercy Health—Heart and Vascular Institute, Toledo, Ohio, USA.

12.35 h. – 12.45 h. — BREAK
Exhibition Hall 7F

12.45 h. – 13.35 h.
LUNCHEON SEMINAR 1
(Co-Sponsored by W.L. Gore & Associates Co., LTD.)
Chairperson:

Takao Ohki, MD, PhD, FICA
Chairman, Department of Surgery and Professor and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; Member, Board of Directors; Editor, International Journal of Angiology.

The Value of Excluder IBE—Preservation of IIA and Prevention of Type Ib Endoleak: Masayuki Hara, MD, Department of Surgery, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan.

The Price of Sacrificing the Internal Iliac Artery Blood Flow—What Have We Learned from Clinical Experiences and What do the Clinical Practice Guidelines Recommend? Martin Björck, MD, PhD, Professor of Vascular Surgery, Department of Surgical Sciences, Consultant, Section of Vascular Surgery, University Hospital, Uppsala, Sweden.

13.35 h. – 13.40 h. — BREAK
Exhibition Hall 7F

13.40 h. – 14.40 h.
SYMPOSIUM 1
ABDOMINAL AORTIC ANEURYSMS
Chairpersons:

Makato Sumi, MD, PhD, FICA
Department of Surgery, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan.

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.

Commentators:

Taku Kokubo, MD
Department of Vascular Surgery, Edogawa Hospital, Tokyo, Japan.

Naoki Fujimura, MD
Department of Vascular Surgery, Saiseikai Central Hospital, Tokyo, Japan.

Atsubumi Murakami, MD
International University of Health and Welfare Hospital, Tokyo, Japan.

13.40 Endoleak after EVAR: Shigeo Ichihashi, MD, Department of Radiology, Nara Medical University, Nara, Japan.

13.55 Early Sac Shrinkage is a Good Surrogate Marker of Durable Success after Endovascular Aneurysm Repair in Japanese Patients: Naoki Fujimura, MD, PhD, Department of Vascular Surgery, Saiseikai Central Hospital, Tokyo, Japan.

14.10 A Multicenter Experience with Abdominal Aortic Endograft Infections in Japan: Hideaki Obara, MD, FICA, Department of Surgery, Keio University School of Medicine, Tokyo, Japan.

14.25 EVAR for Ruptured Abdominal Aortic Aneurysm: Hidemitsu Ogino, MD, Director, Department of Surgery, Narita Tomisato Takushukai Hospital, Tomisato-City, Japan.
## Scientific Sessions

### Monday, 20 August 2018

14.40 h. – 15.30 h.

**TEATIME SEMINAR 1**

*LATEST INFORMATION ON IMAGE GUIDED SYSTEMS*  
*(Co-Sponsored by Canon Medical Systems Corporation)*

*Chairperson:*

**Takao Ohki, MD, PhD, FICA**  
Chairman, Department of Surgery and Professor and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; Member, Board of Directors; Editor, *International Journal of Angiology.*

**Naoki Fujimura, MD, PhD**  
Department of Vascular Surgery, Saiseikai Central Hospital, Tokyo, Japan.

**Kanako K. Kumamaru, MD, PhD**  
Department of Radiology, Juntendo University School of Medicine, Tokyo, Japan.

15.30 h. – 15.45 h. — BREAK

**Exhibition Hall 7F**

15.45 h. – 17.15 h.

**SYMPOSIUM 2**

*CAROTID AND PERIPHERAL ARTERIAL DISEASE*

*Chairpersons:*

**Hideaki Obara, MD, FICA**  
Department of Surgery, Keio University School of Medicine, Tokyo, Japan.

**Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCPC, FACC, FIACS, FICA**  
Professor Emeritus, Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada; Chairman, Board of Directors, and Program Chairman, 60th Anniversary World Congress, International College of Angiology; Consulting Editor, *International Journal of Angiology.*

- **15.45 Zilver PTX Post-Market Surveillance Study of Paclitaxel Eluting Stents for Treating Femoropopliteal Artery Disease in Japan: 5-Year Results:** Hiroyoshi Yokoi, MD, Professor, International University of Health and Welfare; Director, Cardiovascular Center, Fukuoka Sanno Hospital, Fukuoka, Japan.

- **16.00 Beyond Stroke—What Have We Learned about Carotid Disease?** 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.

- **16.15 Pathogenesis in Clinical Significance of Buerger’s Disease and Peripheral Arterial Disease (PAD):** Takehisa Iwai, MD, PhD, Director and Head, Tsukuba Vascular Center and Buerger’s Disease Research Institute, Moriya City, Japan.

- **16.30 Variation in Atherosclerotic Plaque Feature in Swine Artery Induced with Partial Ligation, Denudation and External Irrigation:** Jackie P. Ho, MBBS, FRCS, FCS, FHKAM, Associate Professor, Department of Surgery, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; Consultant, Department of Cardiac, Thoracic and Vascular Surgery, National University Heart Center, Singapore.

- **16.45 Treatment of Peripheral Vascular Disease via Percutaneous Brachial Artery Access:** 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.*

- **17.00 Endovascular Approaches for Complex below the Knee (BTK) Chronic Total Occlusion (CTO) Lesion:** Hiroshi Ando, MD, Kasukabe Chuo General Hospital, Saitama, Japan.
**e-POSTER PRESENTATIONS**

**Chairpersons:**

Makoto Mo, MD  
Chief, Cardiovascular Surgery, Yokohama Minami Kyosai Hospital, Yokohama, Japan.

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.

**Commentators:**

Katsuhiko Oka, MD  
Kyoto Prefectural University of Medicine, Kyoto, Japan.

Seiji Onitsuka, MD  
Department of Surgery, Kurume University School of Medicine, Kurume, Japan.

Masayuki Hirokawa, MD, PhD  
Director, Ochanomizu Vascular and Vein Clinic, Tokyo, Japan.

Hideaki Maeda, MD  
Second Department of Surgery, Nihon University School of Medicine, Itabashi Hospital, Tokyo, Japan.

**17.15** Treatment of Deep Vein Thrombosis in May-Thurner Syndrome with Non-Vitamin K Oral Anticoagulants: A Case Report: Toh Ching Han¹ and Ashish Anil Sule, MBBS, MD, MRCP, FAMS, FICA, FRCP²; Regional Secretary, International College of Angiology; ¹Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore; ²Department of General Medicine, Subspecialty of Vascular Medicine and Hypertension, Tan Tock Seng Hospital, Singapore.

**17.22** Anticoagulation for Antiphospholipid Syndrome in a Patient with Severe Thrombocytopenia: Case Report: Prathika Parmalingam, MBBS, MRCP, MMED, Senior Resident; Ashish Anil Sule, MBBS, MD, MRCP, FAMS, FICA, FRCP, Regional Secretary, International College of Angiology; Department of General Medicine, Tan Tock Seng Hospital, Singapore.

**17.29** Bilateral Unproved Deep Vein Thrombosis in an Elderly Gentleman with Hyperhomocysteinemia: Joey Ying Hao Wong, MBBS, NTU-Imperial Lee Kong Chian School of Medicine, Singapore; Ashish Anil Sule, MBBS, MD, MRCP, FAMS, FICA, FRCP, Senior Consultant, General Medicine, Vascular Medicine and Hypertension, Tan Tock Seng Hospital, Singapore.

**17.36** The Association of High Blood Homocysteine and the Risk of Increased Severity of Ischemic Stroke Events: Salim Harris, MD, PhD, Al Rasyid, MD, PhD, Mohammad Kurniawan, MD, Taufik Mesiano, MD, Rakhmad Hidayat, MD, Neurology Department, Faculty of Medicine, University of Indonesia, Jakarta, Indonesia.

**17.43** Comparison Between Sensitivity and Specificity of Ankle Brachial Index and Carotid Intima-Media Thickness for Detecting Significant Coronary Artery Disease: Novi Anggriyani, MD, FICA, Joceline Theda Kadarman, MD, Wahyu Wirayawan, MD; Faculty of Medicine, Diponegoro University, Semarang, Indonesia; Division of Cardiothoracic and Vascular Surgery, Department of Surgery, Diponegoro University, Semarang, Indonesia.

**18.00** EVAR-First Strategy for Ruptured Aortic Aneurysm: A Clinical Analysis of 20 Cases: Daiki Uchida, MD, Takamitsu Tatsukawa, MD, Ai Tochikubo, MD, Naoya Kuriyama, MD, Shinsuke Kikuchi, MD, Atsuhiro Koya, MD, Nobuyoshi Azuma, MD, FICA, Professor and Chairman; Vice President, Scientific Council, International College of Angiology; Editor, International Journal of Angiology; Division of Vascular Surgery, Asahikawa Medical University, Asahikawa, Japan.
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| 08.30 h. – 09.20 h. | **MORNING SEMINAR**  
**COOK VASCULAR SYMPOSIUM—EVAR & SFA TREATMENTS**  
*(Co-Sponsored by Cook Japan)*  
**Chairperson:**  
Shigeo Ichihashi, MD  
Department of Radiology, Nara Medical University, Nara, Japan.  

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| **Sciencing Zenith—Why We Should be Using Zenith Stent Grafts:** Naoki Fujimura, MD, PhD, Department of Vascular Surgery, Saiseikai Central Hospital, Tokyo, Japan.  
**Is It Possible? “Leave Nothing Behind Concept” for SFA Treatment:** Tatsuya Nakama, MD, Tokyo Bay Urayasu Ichikawa Medical Center, Tokyo, Japan.  
**Chairpersons:**  
Nobuyoshi Azuma, MD, FICA  
Professor and Chairman, Department of Vascular Surgery, Asahikawa Medical University, Asahikawa, Japan; Vice President, Scientific Council, International College of Angiology; Editor, *International Journal of Angiology*.  
Takao Ohki, MD, PhD, FICA  
Chairman, Department of Surgery and Professor and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; Member, Board of Directors; Editor, *International Journal of Angiology*.  

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| **09.20 h. – 09.35 h.**  
**ORATION LECTURES**  
**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.  
**Presentation By:**  
Thoracic Aortic Aneurysms: Practical Genetics for the Surgeon  
Professor Kailash Prasad Oration Lecture  
Jürgen Falkensammer, MD, FICA¹  
Vice President, Scientific Council, International College of Angiology, Miriam Uhlmann, MD², Elisabeth Pelanek-Völk, MD³, Markus Plimon, MD¹, Afshin Assadian, MD¹, ¹Department of Vascular and Endovascular Surgery, Wilhelmenspital Vienna, Austria; ² Medical Faculty of the Sigmund Freud University, Vienna, Austria.  

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| **09.35 h. – 09.50 h.**  
**Scrutinizing the General Applicability of the CE Approved Chimney Procedure for Short Neck and Juxtarenal Aortic Pathologies — 109 Fenestrated Endovascular Aneurysm Repair Cases Revisited**  
Professor Otmar M. Pachinger Oration Lecture  
Hideyuki Shimizu, MD  
Department of Cardiovascular Surgery, Keio University School of Medicine, Tokyo, Japan.  
Josef Veselka, MD, PhD, FICA  
Professor of Internal Medicine; Member and President-Elect, 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.  

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| **09.50 h. – 10.20 h.**  
**HOT TOPICS IN ANGIOLOGY 2**  
**Chairpersons:**  
Iwan Dakota, MD, PhD, FACC, FESC, FICA  
Secretary General and Member, Board of Directors, International College of Angiology; Member, Editorial Board, *International Journal of Angiology*; Head, Peripheral Vascular Intervention, Vascular Division, Department of Cardiology and Vascular Medicine, University of Indonesia, School of Medicine, Jakarta, Indonesia; Director of General Affairs and Human Capital, National Cardiovascular Center, Harapan Kita Hospital, Jakarta, Indonesia.  
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.  

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| **10.20 h. – 10.30 h. — BREAK**  
**Exhibition Hall 7F**  
20
10.30 Results of Open and Endovascular Surgery for the Treatment of Renal Artery Aneurysms: Yuri Murakami, MD, Masamichi Momose, MD, Makiko Omori, MD, Reo Takizawa, MD, Takeshi Baba, MD, Masayuki Haru, MD, Koji Maeda, MD, PhD, Hiromasa Tachihi, MD, Department of Surgery, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; Takao Ohki, MD, PhD, FICA, Chairman, Department of Surgery and Professor and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; President, Austrian Heart Foundation, Innsbruck, Austria. 

10.40 The Interplay of AGE-RAGE Axis in Coronary Stent Restenosis: A Prospective Study: Erick D. McNair, PhD, FICA, Naorin Islam, MSc, Rhonda Bryce, MD, Colin Pearce, MD, Department of Pathology and Laboratory Medicine, College of Medicine, University of Saskatchewan, Saskatchewan, Canada.

10.50 Internal Jugular Venous Flow in Cerebral Small Vessel Disease: A Study on White Matter Hyper-intensities and Cognitive Dysfunction: Zulfa Indah K. Fadhly, MD, Salim Harris, MD, PhD, Diatri Nari Lastri, MD, Benny Zulkarnaen, MD, Joedo Prihartono, Departments of Neurology, Radiology, Public Health, Faculty of Medicine, University of Indonesia and Dr. Cipto Mangunkusumo National Referral Hospital, Jakarta, Indonesia.

11.00 Rivaroxaban for Managing Recurrent Venous Thromboembolism in Venous Filter Thrombosis and Malignancy: Yeo Zhi Ta Alan, Nicole Kiren Cheong Wen Xian, Ashish Anile Sule, MBBS, MD, MRCP, FICA, FAMS, FRCP, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; Department of General Medicine, Vascular Medicine and Hypertension, Tan Tock Seng Hospital, Singapore.

11.10 Novel Oral Anticoagulants for Managing Recurrent Venous Thromboembolism in Malignancy—A Case Series: Benedict Cesar I. Azucena, MD, Nicole Kiren Cheong Wen Xian, Yeo Zhi Ta Alan, MBBS, MD, MRCP, FICA, FAMS, FRCP, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; Department of General Medicine, Vascular Medicine and Hypertension, Tan Tock Seng Hospital, Singapore.

11.20 Status of Cardiovascular Medicine Associated with Commercial and Recreational Underwater Diving: Thomas F. Whayne, Jr., MD, PhD, FICA, Professor of Medicine (Cardiology), Gill Heart Institute, University of Kentucky, Lexington, Kentucky, USA.
Ikuo Fukuda, MD, PhD
Thoracic and Cardiovascular Surgery, Hirosaki University Graduate School of Medicine, Hirosaki, Aomori, Japan.

Jürgen Falkensammer, MD, FICA
Vice President, Scientific Council, International College of Angiology, Department of Vascular and Endovascular Surgery, Wilhelminenspital Vienna, Austria; Medical Faculty of the Sigmund Freud University, Vienna, Austria.

Commentators:
Yukio Obitsu, MD
International University of Health and Welfare Hospital, Tokyo, Japan.

Tomoyasu Sato, MD
Department of Interventional and Diagnostic Radiology, Tsuchiya General Hospital, Hiroshima, Japan.

Naoki Hayashida, MD
Department of Cardiovascular Surgery, Chiba Cardiovascular Center, Ichihara-city, Chiba, Japan.

Kinya Matsui, MD
Director, Cardiovascular Surgery, Ogasawara Memorial Sapporo Hospital, Hokkaido, Sapporo, Japan.

12.50 Four Reasons we should Intervene Earlier with Ascending 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.

13.05 Effect of Stroke Prevention Techniques in Hybrid Aortic Arch Repair: Masaaki Kato, MD, Department of Cardiovascular Surgery, Morinomiya Hospital, Osaka, Japan.

13.20 Proximal Bare Stent May Reduce Bird-Beak Configuration which is Associated with Distal Migration of Stent Grafts in the Aortic Arch: Hiroshi Banno, MD, Department of Surgery, Division of Vascular Surgery, Nagoya University Hospital Graduate School of Medicine, Nagoya, Japan.

13.35 Surgical Intervention after TEVAR: Strategy and Outcomes—Tokyo Medical University-Cardiovascular Surgery: Hitoshi Ogino, MD, PhD, Department of Cardiovascular Surgery, Tokyo Medical University Hospital, Tokyo, Japan.

13.50 Double Barrel Stent Graft to Shorten Aortic Coverage in Endovascular Treatment of Thoracoabdominal Aneurysm (TAAA): Piotr M. Kasprzak, MD, Akimasa Morisaki, MD, PhD, Hiromichi Fujii, MD, PhD, Yosuke Takahashi, MD, PhD, Yoshito Sakon, MD, Kokoro Ymane, MD, Noriaki Kishimoto, MD, Toshihiko Shibata, MD, PhD, Department of Cardiovascular Surgery, Osaka City University Graduate School of Medicine, Osaka, Japan.

14.05 Segmental Artery Coil Embolization prior to Extensive Thoracic and Thoracoabdominal Endovascular Aortic Repair: Takashi Murakami, MD, PhD, Department of Surgery, Keio University School of Medicine, Tokyo, Japan.

Hideaki Obara, MD, FICA
Department of Surgery, Keio University School of Medicine, Tokyo, Japan.

Features and Utilities of AFX2 Stent Graft System: Hiroshi Banno, MD, Department of Surgery, Division of Vascular Surgery, Nagoya University Graduate School of Medicine, Nagoya, Japan.

In-Vitro Evaluation of Suitable Proximal Neck Length for Snorkel EVAR with AFX Infra-renal Cuff System: Kenjiro Kaneko, MD, Department of Vascular Surgery, Shin-yurigaoka General Hospital, Komae, Japan.
SYMPOSIUM 4
CRITICAL LIMB ISCHEMIA

Chairpersons:

Kimihiro Komori, MD
Department of Surgery, Division of Vascular Surgery, Nagoya University Graduate School of Medicine, Nagoya, Japan
Jackie P. Ho, MBBS, FRCS, FCS, FHKAM
Associate Professor, Department of Surgery, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; Consultant, Department of Cardiac, Thoracic and Vascular Surgery, National University Heart Center, Singapore.

Commentators:

Shin Ishimaru, MD
Director, Center for Endovascular Therapy, Toda Chuo General Hospital, Saitama, Japan.
Yoshinori Inoue, MD
Director, Ambulatory Vascular Surgical Clinic, Tokyo, Japan.
Hiroyoshi Komai, MD
Professor, Unit of Peripheral Vascular Surgery, Department of Surgery, Kansai Medical University, Takii Hospital, Osaka, Japan.
Yoichi Nozaki, MD
Hokko Memorial Hospital, Hokkaido, Japan.

15.25 Treatment Strategy for Critical Limb Ischemia—How to Select Open Surgery or Endovascular Treatment: Nobuyoshi Azuma, MD, FICA, Professor and Chairman, Department of Vascular Surgery, Asahikawa Medical University, Asahikawa, Japan; Vice President, Scientific Council, International College of Angiology; Editor, International Journal of Angiology.

15.40 Autogenous Stem Cells for Critical Limb Ischemia—Technique and Results: 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; Kaushal J. Shah, MD, FACS, RPVI, Richard H. Pin, MD, FACS, RPVI, Thomas Hankins, CCP, Jodi F. Hartman, MS, Michelle L. Wright, MPH; Columbus and Westerville, Ohio, USA; Camp Hill, Pennsylvania, USA; Dartmouth, Massachusetts, USA.

15.55 Optimal Endpoint of Below the Knee (BTK) Intervention for Wound Healing: Makoto Utsunomiya, MD, PhD, Division of Cardiovascular Medicine, Toho University, Ohashi Medical Center, Tokyo, Japan.

16.10 h. – 16.40 h.
PROFESSOR JOHN B. CHANG RESEARCH ACHIEVEMENT AWARD LECTURE
The Road to Conquer Arch Aneurysm

Introduction By:

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:

Takao Ohki, MD, PhD, FICA
Chairman, Department of Surgery and Professor and Chief, Division of Vascular Surgery, Jikei University School of Medicine, Tokyo, Japan; Member, Board of Directors; Editor, International Journal of Angiology.
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Join your colleagues from around the world, earn CME, and explore key areas rapidly expanding in cardiovascular medicine and surgery. ICA 2019 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 their staff and nurses.

The objective of the Annual World Congress is to offer a serious academic forum to those physicians and allied healthcare personnel interested in research, education and clinical investigation in the field of cardiovascular medicine and surgery. The congress is intended to provide an in-depth review of the spectrum of topics related to the management and treatment of patients with cardiovascular and vascular disease. Special emphasis will be placed upon evolving trends, therapies, and minimally invasive treatment of cardiovascular disease. The ICA is dedicated to establishing educational programs appropriate for practicing physicians and surgeons. The College’s aim is to encourage young scientists and clinicians in basic and clinical research through a special forum of a young investigators award program.

This annual world congress will feature an internationally renowned faculty, and recognized leaders will discuss state-of-the-art techniques in the management, 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 2019 program will focus on surgical, percutaneous, and medical management from peripheral vascular disease to coronary and cerebrovascular disease and abdominal aortic aneurysms. The congress will offer a comprehensive review of what is new in management, techniques, approaches and prevention.

Program Highlights

- Advances in Endovascular and Interventional Procedures—Tips and Tricks
- Carotid Arterial Interventions—CEA vs CAS
- Advances—Controversies—Latest Concepts in Cardiovascular Medicine and Surgery
- Debates in Cardiovascular Medicine
- 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
- Oral, Video, and Poster Presentation Sessions
- Round Table Discussions

For Additional Information and Abstract Forms, please contact:
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