

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**

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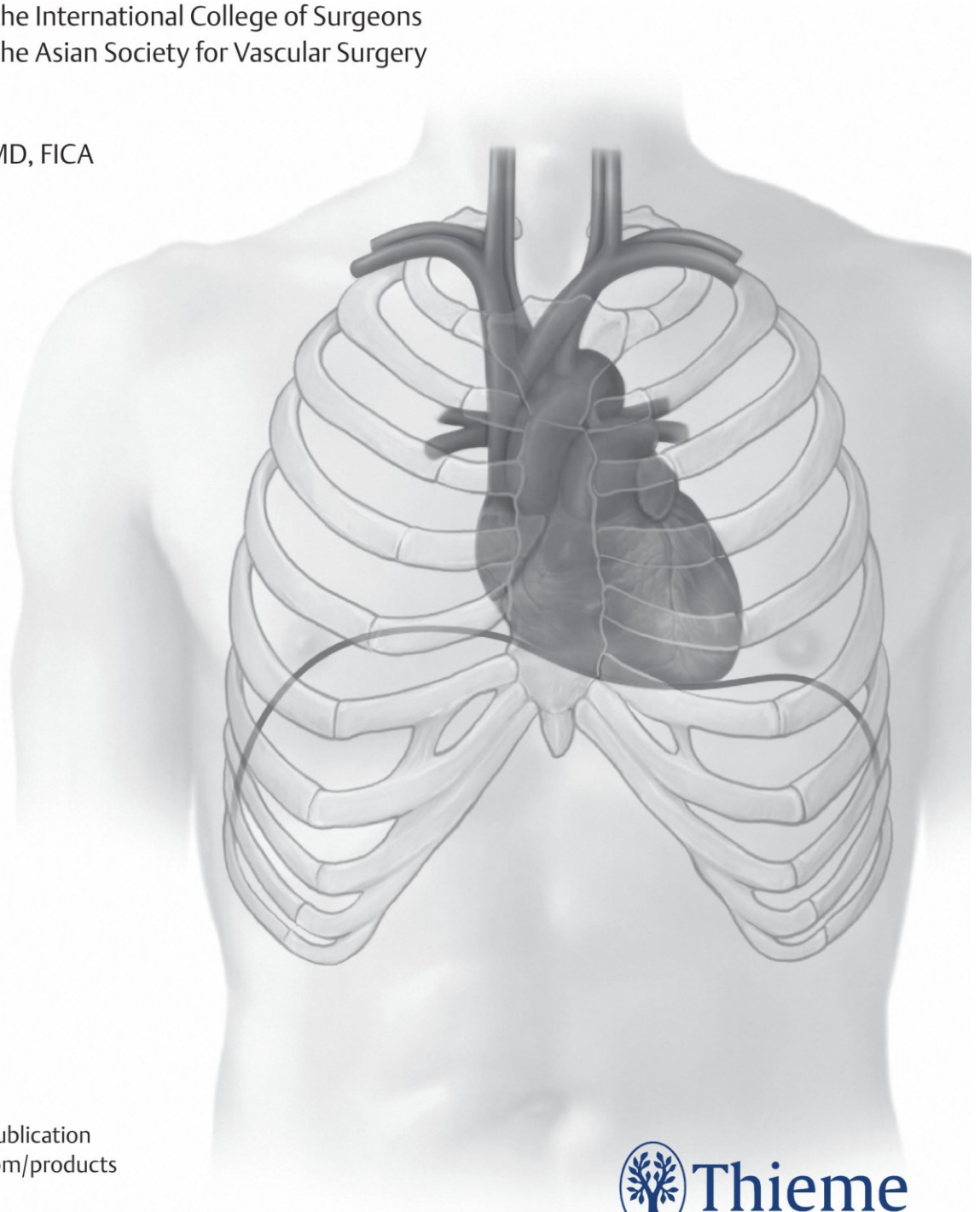
Scientific Program

INTERNATIONAL JOURNAL OF ANGIOLOGY

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

Editor-in-Chief

John A. Eleftheriades, MD, FICA



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 **Thieme**

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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International College of Angiology

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Simon Ashley, B.M., FRCS (1989)

G. Galloni, M.D. (1989)

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Joseph F. Polak, 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)

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. Melicherik, M.D. (1994)

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T. Ikonen, M.D. (1995)

A.R.J. Rajakumar, M.B.B.S. (1995)

Satoshi Sakai, M.D. (1996)

Bernd Wolfgarten, M.D. (1996)

Gernold Wozniak, M.D. (1996)

Jalal Zamani, 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)

Dai Wangde, M.D. (1999)

Wolf Drescher, M.D. (2000)

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)

Rossella DiStefano, M.D. (2003)

Randy A. Stevens, M.D. (2004)

Nadia Cosentino, M.D. (2005)

Erick McNair, M.Sc. (2005)

Manika Das, Ph.D. (2006)

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)

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Jang Yong Kim, M.D. (2011)

Ivy Cheng, B.S. (2013)

Gautham Chitrigari, M.B.B.S. (2013)

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Jakub Honek, M.D. (2016)

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Kensuke Esato, M.D. (1999)

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Hendrick B. Barner, M.D. (2002)

Tatsuki Katsumura, M.D., Ph.D. (2003)

John A. Eleftheriades, M.D. (2004)

Francis Robicsek, M.D. (2005)

John D. Corson, M.B., Ch.B. (2006)

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)

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ICA Lifetime Achievement Award

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John B. Chang, M.D. (Posthumously 2016)

International Journal of Angiology

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

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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.

<u>Year</u>		<u>Venue</u>
1958	1 st Annual Meeting	Atlantic City, New Jersey
1959	2 nd Annual Meeting	Mexico City, Mexico
1960	3 rd Annual Meeting	
1961	4 th Annual Meeting	
1962	5 th Annual Meeting	Las Vegas, Nevada
1963	Caribbean Conference on Angiology	San Juan, Puerto Rico
1964	6 th Annual Meeting	
1965	7 th Annual Meeting	London, England
1966	8 th Annual Meeting	Madrid, Spain
1967	9 th Annual Meeting	Las Vegas, Nevada
1968	10 th Annual Meeting	Geneva, Switzerland
1969	11 th Annual Meeting	Rome, Italy
1970	12 th Annual Meeting	Dublin, Ireland
1971	13 th Annual Meeting	Copenhagen, Denmark
1972	14 th Annual Meeting	London, England
1973	15 th Annual Meeting	Lisbon, Portugal
1974	16 th Annual Meeting	Montreal, Canada
1974	French Scientific Congress	Paris, France
1975	17 th Annual Meeting	Herzalia, Israel
1976	18 th Annual Meeting	Tucson, Arizona
1977	19 th Annual Meeting	Dublin, Ireland
1978	20 th Annual Meeting	Marbella, Spain
1979	21 st Annual Meeting	St. Louis, Missouri
1980	22 nd Annual Meeting	Vienna, Austria
1981	23 rd Annual Meeting: Part I	Zurich, Switzerland
1981	23 rd Annual Meeting: Part II	Lisbon, Portugal
1982	24 th Annual Meeting	Antwerp, Belgium
1983	25 th Annual Meeting	Killarney, Ireland
1984	26 th Annual Meeting	San Antonio, Texas
1985	27 th Annual Meeting	Hilton Head, South Carolina
1986	28 th Annual Meeting	Nice, France
1987	29 th Annual Meeting	Montreux, Switzerland
1988	30 th Annual Meeting	Amsterdam, The Netherlands
1989	31 st Annual Meeting	Rome, Italy
1990	32 nd Annual Meeting	Toronto, Canada
1991	33 rd Annual Meeting	Singapore
1992	34 th Annual Congress	Budapest, Hungary
1993	35 th World Congress	Copenhagen, Denmark
1994	36 th World Congress	New York, New York
1995	37 th World Congress	Helsinki, Finland
1996	38 th World Congress	Cologne, Germany
1997	39 th Annual World Congress	Istanbul, Turkey
1998	40 th Annual World Congress	Lisbon, Portugal
1999	41 st Annual World Congress	Sapporo, Japan
2000	42 nd Annual World Congress	San Diego, California
2001	43 rd Annual World Congress	Berlin, Germany
2002	44 th Annual World Congress	New York, New York
2003	45 th Annual World Congress	Indianapolis, Indiana
2004	46 th Annual World Congress	Lexington, Kentucky
2005	47 th Annual World Congress	Uncasville, Connecticut
2006	48 th Annual World Congress	Charlotte, North Carolina
2007	49 th Annual World Congress	Vancouver, Canada
2008	50 th Golden Anniversary Congress	Tokyo, Japan
2009	51 st Annual World Congress	Beijing, China
2010	52 nd Annual World Congress	Lexington, Kentucky
2011	53 rd Annual World Congress	Bali, Indonesia
2012	54 th Annual World Congress	Innsbruck, Austria
2013	55 th Annual World Congress	New Haven, Connecticut
2014	56 th Annual World Congress	Columbus, Ohio
2015	57 th Annual World Congress	Jakarta, Indonesia
2016	58 th Annual World Congress	Prague, Czech Republic

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 angiology, 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.**

Venue

MARRIOTT HOTEL VIENNA

Parking 12a

1010 Vienna, Austria

Phone: +43.1.515180

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.



Vienna Marriott Hotel

Parking 12a, A-1010 Vienna

Tel.: +43 1 515 18 0

Email: vienna.marriott.info@marriotthotels.com

ViennaMarriott.com

Where the
beats in Vienna!

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

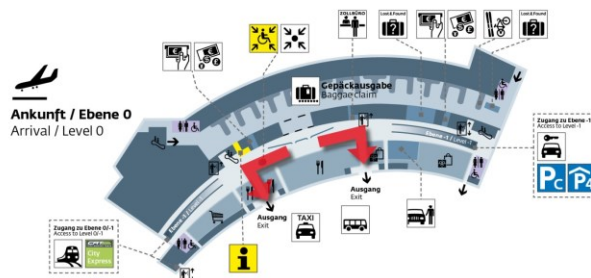
ARRIVALS HALL

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



TAXI SERVICE

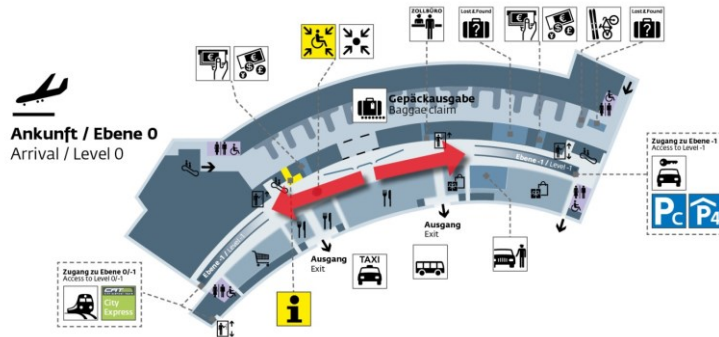
The taxi stand is right in front of the Arrivals hall. Please utilize the right-hand exit. Estimated taxi fare: 55 EUR (one-way).



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

Once 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.

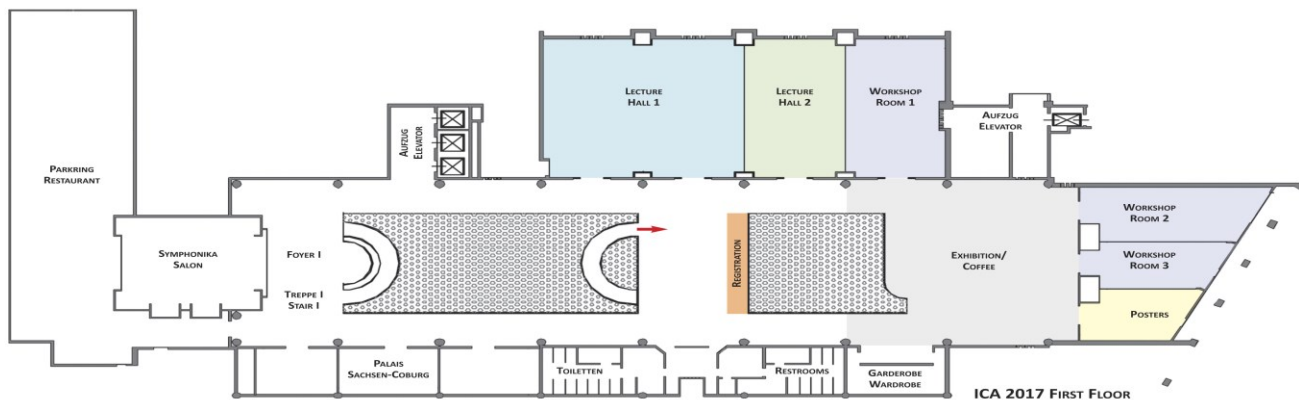
- Take City Airport Train (CAT) to Wien Mitte/Landstrasse (non-stop, 16 minutes); approximate fee: 11 EUR (one-way)

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.

**59th Annual World Congress • International College of Angiology 2017
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VASCULAR INTERNATIONAL and Austrian Interventional Cardiology**

Local Organizing Committee—Welcome Address



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**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***

**PD. Jürgen Falkensammer, MD
Co-Chairman**
**Consultant in Vascular Surgery
Department of Vascular Surgery
Wilhelminenhospital, Vienna, Austria**

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*.”

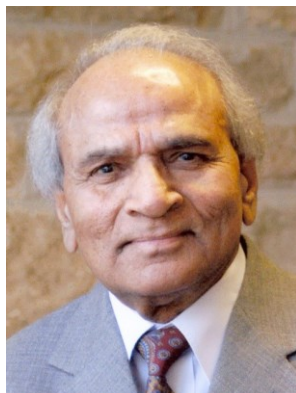
There has never been a more exciting time for this field of medicine! The transition to evidence-based medicine has distinguished our spectrum as a modern specialty committed to scientific principles and the highest ethical standards of conduct. We are passionate about experimental and clinical research, 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**

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.

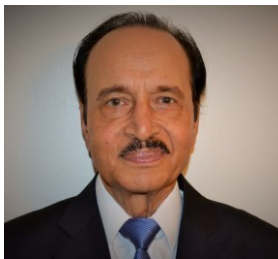
On your behalf and ours, I want to give a hearty thanks to Professor Otmar M. Pachinger and PD. Jürgen Falkensammer, Chairs of the Local Organizing Committee for their time, energy and dedication to make this congress a wonderful and successful event.

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

59th Annual World Congress • International College of Angiology 2017
in cooperation with
VASCULAR INTERNATIONAL and Austrian Interventional Cardiology
ICA Presidential Address



Rajinder P. Sharma, MD, FSIR, FICA
Clinical Associate Professor of Radiology
Wayne State University School of Medicine
Former Senior Staff, Interventional Radiology
Henry Ford Hospital, Detroit, Michigan
President, International College of Angiology
Member, Board of Directors, International College of Angiology

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

THURSDAY, 7 SEPTEMBER 2017			SCIENTIFIC PROGRAM AT-A-GLANCE — ICA 2017			FRIDAY, 8 SEPTEMBER 2017			SATURDAY, 9 SEPTEMBER 2017		
08.30 09.00	OPENING CEREMONY — WELCOME ADDRESS <i>Lecture Hall 1</i>		08.30 10.00	CHALLENGES IN THORACIC AORTIC SURGERY <i>Lecture Hall 1</i>	08.30 11.30	TRAINING WORKSHOPS	08.30 10.00	NEW TRAINING CONCEPTS—HOW SHOULD WE TEACH THE NEXT GENERATION? <i>Lecture Hall 1</i>			
09.00 10.15	THERAPY OF VASCULAR STROKE <i>Lecture Hall 1</i>	09.00 12.00	TRAINING WORKSHOPS	Chairpersons: M. Grabenwöger, Vienna R. Franz, Columbus		FEVAR <i>Room 1</i>	Chairpersons: J. Falkensammer, Vienna E. Molmenti, Manhasset				
09.00 09.15	Chairpersons: W. Lang, Vienna S. Saha, Lexington	Aortic Interventions Standard EVAR I <i>Sponsored by Vasctek Room 1</i>	08.30 08.45	Genetics on Thoracic Aortic Aneurysms J. Elefteriades, New Haven			Implications of Work—Time Regulations: The Chief's Perspective W. Hofmann, Feldkirch				
09.00 09.15	Structure of Stroke Centers: A Multidisciplinary Approach—An American Perspective S. Saha, Lexington		08.45 09.00	Outcomes of Conventional Aortic Arch Repair M. Grabenwöger, Vienna			Implications of Work—Time Regulations: The Resident's Perspective F. Taher, Vienna				
09.15 09.30	Stroke Units and the Austrian Stroke Unit Network W. Lang, Vienna	Percutaneous Access <i>Sponsored by Abbott Room 2</i>	09.00 09.15	Indications and Outcomes of Endovascular Aortic Arch Repair T. Kölbel, Hamburg		Peripheral Interventions II <i>Sponsored by Cook Room 2</i>	New Training Concepts in Cardiology T. Weiss, Vienna				
09.30 09.45	Update on Thrombolysis in Acute Stroke Patients W. Pirker, Vienna		09.15 09.30	Paradigm for Detecting a Silent Killer J. Elefteriades, New Haven			New Training Concepts in Radiology C. Loewe, Vienna				
09.45 10.00	Intracranial Thrombus Retrieval: Techniques & Results F. Wolf, Vienna	Coronary Interventions I <i>Sponsored by Cordis Room 3</i>	09.30 09.45	TEVAR for Acute Thoracic Aortic Injury R. Franz, Columbus		EVAR II <i>Sponsored by Medtronic Room 3</i>	New Training Concepts in Cardiac Surgery A. Kocher, Vienna				
10.00 10.15	Optimal Timing of Carotid Revascularization R.J. Toorop, Utrecht		09.45 10.00	Discussion			New Training Concepts in Vascular Surgery J. Falkensammer, Vienna				
10.15 10.45	Discussion		10.00 10.30	COFFEE BREAK <i>Exhibition Hall</i>			Discussion				
10.45 12.15	CAROTID REVASCULARIZATION <i>Lecture Hall 1</i>		10.30 12.00	THORACOABDOMINAL AORTIC ANEURYSM REPAIR <i>Lecture Hall 1</i>			COFFEE BREAK <i>Exhibition Hall</i>				
10.45 11.00	Chairpersons: W. Zhou, Tucson H.H. Eckstein, Munich		10.45 11.00	Immediate and Long-Term Outcome of Open TAAA Surgery A. Greiner, Berlin			NEW HORIZONS IN PERIPHERAL ARTERY DISEASE <i>Lecture Hall 1</i>				
11.00 11.15	Near Infra-Red Spectroscopy Analysis of the Carotid Artery Plaque Composition Based on the Distribution of Endothelial Shear Stress P. Hájek, Prague		10.45 11.00	Immediate and Long-Term Outcome of Endovascular TAAA Surgery P. Kasprzak, Regensburg			Chairpersons: T. Hölzenbein, Salzburg R. Sharma, Detroit				
11.00 11.15	Optimal Medical Treatment—Standard of Care for Patients with Carotid Artery Disease M. Brodmann, Graz		10.45 11.00	Spinal Cord Ischemia after Open TAAA Repair—How Can this Complication be Prevented? Open Repair J. Schmidli, Bern			Stem Cell for the Treatment of Peripheral Arterial Disease R. Franz, Columbus				
11.15 11.30	Identification of High-Risk Patients with Asymptomatic Carotid Stenosis: Fact vs Fiction Wei Zhou, Tucson		11.00 11.15	Spinal Cord Ischemia after Endovascular TAAA Repair—How Can this Complication be Prevented? Endovascular Repair P. Kasprzak, Regensburg			Endovascular Management of total Occlusion of the Abdominal Aorta: Mid-Term Follow-Up S. Saha, Lexington				
11.30 11.45	High Grade Asymptomatic Carotid Stenosis: Who Should be Treated? H.H. Eckstein, Munich		11.15 11.30	The Future Standard of Care for Juxtarenal AAA's A. Greiner, Berlin			Management of Type B Acute Aortic Dissection in Developing Countries: A Single Center Experience I. Dakota, Jakarta				
11.45 12.00	Indication for Carotid Surgery in Women T. Cohnert, Graz		11.30 11.45	Discussion			Stent versus Bypass for Femoropopliteal Lesions in TASC II Type C and D Lesions F.K. Enzmann, Salzburg				
12.15 13.00	Discussion LUNCHEON BREAK <i>Exhibition Hall</i>		12.00 12.45	LUNCHEON BREAK <i>Exhibition Hall</i>			Discussion				

15.30 15.45	Lotus: A New Generation of Transcatheter Valve P. Hajek, Prague	15.35 15.45	Endovascular Revascularization of Arch Arteries S. Tyagi, New Delhi	15.15 15.30	Acute MI in Indonesia I. Dakota, Jakarta	14.51 14.58	Hyperhomocysteinemia in Arterial & Venous Thrombosis Gao Mingqi, Singapore May-Thurner Syndrome Z. Yuhan, Singapore
15.45 16.00	Simultaneous Transcatheter Aortic Valve Implantation and Left Atrial Appendage Occlusion R. Binder, Wels	15.45 15.55	Post-Traumatic Pseudoaneurysm of the Limbs B. Benfor, Fez	15.45 16.15	Discussion ICA YOUNG INVESTIGATORS AWARD COMPETITION <i>Lecture Hall 1</i> Moderators: O. Pachinger, Innsbruck R. Sharma, Detroit	15.05 15.12	Antiphospholipid Syndrome & Severe Thrombocytopenia R. M. Govind, Singapore
		15.55 16.05	Stress Induced Cardiomyopathy T. Tak, Rochester	15.45 15.55	Evaluation of Experience with Lower Extremity Arterial Injuries C.F. Tanga, Columbus	15.30 16.30	MODERATED POSTER SESSION 2 <i>Lecture Hall 2</i>
				15.55 16.05	Near-Infrared Spectroscopy Analysis of Carotid Artery Plaque C. Štěchovský, Prague		Discussion I. Dakota, Jakarta S. Saha, Lexington
						15.30 15.37	Endovascular Repair for Aortic Aneurysms T. Baba, Tokyo
						15.37 15.44	Branch Endovascular Aneurysm Repair K. Maeda, Tokyo
						15.44 15.51	Closure of Tears by Amplatzer Vascular Plug II M. Hara, Tokyo
						15.51 15.58	Treatment for Isolated Superior Mesenteric Artery Dissection M. Momose, Tokyo
						15.58 16.05	Elastic Compression Add-On Therapy E. Imbalzano, Messina
						16.05 16.12	Buerger's Disease in Women V. Chadachan, Singapore
						16.12 16.19	Bigger is no Longer Better in the Era of New Generation Drug-Eluting Stents K. Shirai, Fukuoka
							Discussion
16.00 16.15	COFFEE BREAK <i>Exhibition Hall</i>	16.15 16.30		16.15 16.30			COFFEE BREAK <i>Exhibition Hall</i>
16.15 16.45	Prof. John B. Chang Memorial Lecture <i>Lecture Hall 1</i>			16.30 17.00	Dr. Lucy J. Chang Special Lecture <i>Lecture Hall 1</i>		
							Recipient Criteria of Graft Failure in Kidney Transplantation E. Molmenti, Manhasset
				17.00 17.30			SPECIAL LECTURE
							Thoracic Aortic Aneurysm: Reading the Enemy's Playbook J. Elefteriades, New Haven

END OF SCIENTIFIC PROGRAM



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, FRCPC, 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, FRCPC, 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, FRCPC, 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. Wayne Jr., MD, PhD, FICA

Professor of Medicine (Cardiology); Vice President, International College of Angiology; Gill Heart Institute, University of Kentucky, Lexington, Kentucky, USA.

Scientific Sessions

Symposium 1	Thursday, 7 September 2017 (Continued) 09.00 h. – 10.15 h.	Lecture Hall 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.

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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- 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:** [Raechel J. Toorop, MD](#); Gert J. DeBorst, MD, PhD, Member, Editorial Board, *International Journal of Angiology*; Department of Vascular Surgery, UMC Utrecht, Utrecht, The Netherlands.

Discussion

10.15 h. – 10.45 h. — COFFEE BREAK

Exhibition Hall

Symposium 2	10.45 h. – 12.15 h.	Lecture Hall 1
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.

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- 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

Exhibition Hall

Hands-On Skills Training Workshops

Congress attendance is obligatory for attending any of the workshops.

Thursday, 7 September 2017 (Continued)

09.00 h. – 12.00 h.

Workshop 1

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

Symposium 3	Thursday, 7 September 2017 (Continued) 13.00 h. – 14.15 h. Cardiogenic Stroke	Lecture Hall 1
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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.Do. 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. Valvular Interventions	Lecture Hall 1
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Chairpersons:

John A. Eleftheriades, 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. Günther Laufer, MD

Chief, Department of Cardiac Surgery, Medical University of Vienna, Vienna, Austria.

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- 14.45 Surgical Aortic Valve Replacement—State of the Art:** [Univ.-Prof. Dr. Günther Laufer, 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

Scientific Sessions

Oral Session 1	Thursday, 7 September 2017 (Continued) 15.00 h. – 16.15 h. Oral Presentations	Lecture Hall 2
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Moderators:

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.

Petr Hájek, MD, PhD, FICA,

Vice President, International College of Angiology; Department of Cardiology, 2nd School of Medicine, Charles University, University Hospital Motol, Prague, Czech Republic.

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- 15.00 Long-Term Results of Endovascular Femoral Popliteal Interventions:** [Robert Hacker, MD, FACS¹](#), Luke Marone, MD²; ¹Mercy St. Vincent Medical Center, Toledo, Ohio, USA; ²West Virginia Medical Center, Morgantown, West Virginia, USA.
- 15.10 Can Simple, Inexpensive Autonomic Assessment Assist in Hypertension Management?** [Gary L. Murray, MD, FICA](#), Co-Chairperson, Membership Committee, International College of Angiology; Director, Cardiovascular Research, The Heart and Vascular Institute, Germantown, Tennessee, USA.
- 15.25 Cluster Headache and the Heart:** [Malka Yahalom, MD, DSc, FICA¹](#), Ofir Koren, MD, FICA¹, Yoav Turgeman, MD^{1,2}; ¹Heart Institute, HaEmek Medical Center, Afula, Israel; ²Rappaport Faculty of Medicine, Technion, Haifa, Israel.
- 15.35 Endovascular Revascularization of Arch Arteries for Severe Cerebral Ischemia due to Takayasu's Arteritis:** [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.
- 15.45 Post-Traumatic Pseudoaneurysms of the Limbs: A 7-Year Review of a Single Vascular Surgery Centre in Morocco:** [Bright Bentfor, MD, AFICA](#), Mahmoud Jarghon, MD, Abdellatif Bouarhroum, MD, Faculté de Médecine, Université Sidi Mohammed Ben Abdellah, Centre Hospitalier Hassan II, Fez, Morocco.
- 15.55 Stress Induced Cardiomyopathy also known Tako-Tsubo Cardiomyopathy:** [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.

Discussion

Special Lecture 1	16.15 h. – 16.45 h. Professor John B. Chang Memorial Lecture Endovascular Repair of Arch Aneurysms	Lecture Hall 1
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Introduction By:

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, 58th Annual World Congress, International College of Angiology; Consulting Editor, *International Journal of Angiology*.

Presentation By:

[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.

Discussion

Hands-On Skills Training Workshops

Congress attendance is obligatory for attending any of the workshops.

Thursday, 7 September 2017 (Continued)

Workshop 4

13.30 h. – 16.30 h.

Room 1

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
- Infraarenal 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 5

13.30 h. – 16.30 h.

Room 2

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.

Scientific Sessions

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 Kölbel, 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 Kölbel, 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, 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)

Workshop 6

08.30 h. – 11.30 h.

Room 1

FEVAR

(Sponsored by Getinge)

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 7

08.30 h. – 11.30 h.

Room 2

Peripheral Interventions II

(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.

Workshop 8

08.30 h. – 11.30 h.

Room 2

EVAR II

(Sponsored by Medtronic)

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

Consultant Interventional Radiologist, The London Clinic, London, UK.

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.

13.00 The 90° Angle—Standard Anaconda in Angulated Necks: [Priv.-Doz. Dr. Alexander Stehr, MD](#), Ev. Krankenhaus Mülheim, Mülheim, Germany.

13.15 Development of a New Device for the Treatment of Juxtarenal AAA: [Dr. Nick Burfitt, BSc, MB, BChir, MRCS, FRCR](#), Consultant Interventional Radiologist, The London Clinic, London, UK.

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, Wilhelminenspital, 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

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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

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Workshop 11

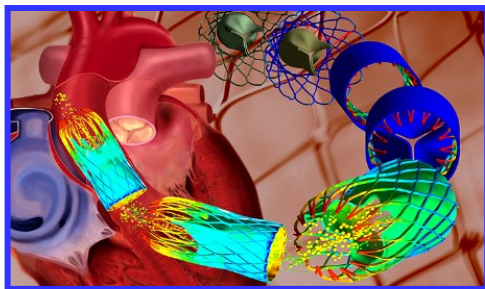
13.00 h. – 16.00 h.

Room 3

TAVI

(Sponsored by Medtronic)

This course features a Symbionix 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

Scientific Sessions

Symposium 9	Friday, 8 September 2017 (Continued) 14.30 h. – 15.45 h.	Lecture Hall 1
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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.

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- 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
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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.

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- 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, FRCS, 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

Moderated Poster Session 2

Moderators:**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.

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](#), 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; 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](#), 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; 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 Amplatzer 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; Yuki Kanaoka, MD, PhD, FICA, Atsushi Ishida, MD, PhD, FICA, Hiromasa Tachihara, MD, PhD, Koji Maeda, 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.
- 15.58 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

Scientific Sessions

Oral Session 2	Friday, 8 September 2017 (Continued) 15.45 h. – 16.15 h.	Lecture Hall 1
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*.

- 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

Special Lecture 2	16.30 h. – 17.00 h.	Lecture Hall 1
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

Special Lecture 3	17.00 h. – 17.30 h.	Lecture Hall 1
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

Scientific Sessions

Symposium 10	Saturday, 9 September 2017 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.

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- 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.
- 09.45 New Training Concepts in Vascular Surgery:** [PD Jürgen Falkensammer, MD](#), Co-Chairman, Local Organizing Committee, 59th Annual World Congress, International College of Angiology; Department of Vascular Surgery, Wilhelminenhospital, 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 Hölzenbein, 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.

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- 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

Scientific Sessions

Symposium 12	Saturday, 9 September 2017 (Continued) 12.45 h. – 14.00 h.	Lecture Hall 1
Optimal Preventions Studies in 2017		

Chairpersons:

Kailash Prasad, MBBS (Hons), MD, PhD, DSc, FRCPC, FACC, FIACS, 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, FRCPC, FACC, FIACS, 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, FRCPC, FACC, FIACS, 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

The International College of Angiology in cooperation with VASCULAR INTERNATIONAL and Austrian Interventional Cardiology gratefully acknowledges the educational grants provided in support of this CME activity. Without the support of all of the following companies, this program would not have been possible:

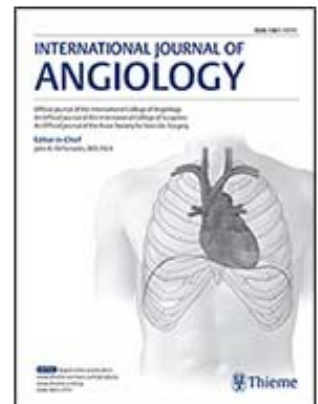


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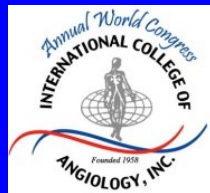
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**Prof. Takao Ohki, MD, PhD, FICA
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Chairman, Local Organizing Committee
PD Jürgen Falkensammer, MD, *Co-Chairman, Local Organizing Committee*

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