22–25 January 2019

Trade Fair Leipzig, Hall 2
Messe-Allee 1, 04356 Leipzig,
Germany

Programme

www.leipzig-interventional-course.com
Welcome to LINC 2019

The Leipzig Interventional Course is committed to advancing the scientific and clinical evaluation and treatment of patients with complex vascular disease through an interdisciplinary discussion of novel endovascular techniques.

LINC is a comprehensive and international live course designed to foster collaboration between colleagues of differing specialities and to promote the understanding and development of endovascular therapies that can be incorporated into daily clinical practice.

The involvement of leading interventional centers from Europe and North America as live transmission sites, as well as the presence of interventional experts as guest operators in our cathlabs and operating rooms will provide a broad coverage of different interventional approaches and techniques.

The organisers of the course and the members of the faculty would like to welcome you to the LEIPZIG INTERVENTIONAL COURSE 2019.
The Venue
Trade Fair Leipzig, Hall 2
Messe-Allee 1
04356 Leipzig, Germany
www.leipziger-messe.de

Room 1 – Main arena 1
Full day programme with state of the art lectures, clinical trial reviews and controversial, interdisciplinary debates, alternating with numerous live case demonstrations highlighting current interventional challenges and new technologies.

Room 2 – Main arena 2
The Main arena 2 will have a capacity of approximately 700 seats and the programme will focus on endovascular aortic interventions and other fields of endovascular surgery.

Room 3 – Technical forum
The programme in this room with a capacity of approximately 500 seats, is dedicated to detailed discussions of featured live and recorded cases and interdisciplinary debates.

Room 4 – Discussion forum
This amphitheatre-style room has a capacity of approximately 200 seats and will feature sessions with specific technical focus, as well as on controversial interdisciplinary debates.

Room 5 – Global expert exchange forum
Renowned experts from around the globe will present challenging case reviews. Region-specific experiences and techniques will be discussed with an interdisciplinary faculty. The programme will be supported with selected pre-recorded and live cases.

Room 6 and 7 – Speakers’ corner
These rooms with an informal lounge style character will feature presentations of selected abstracts, clinical cases and complications, as well as clinical trial updates.
The educational goal of LINC is to stimulate an interdisciplinary discussion on the basis of the scientific evaluation of the different techniques, used for the endovascular treatment in the daily practice. The seminal work over the past years permitted to extend our collaboration to different international leading courses.

**LINC Asia-Pacific**
In 2018, LINC Asia-Pacific was arranged for the 9th time, attracting 502 attendees from the Asia-Pacific region. LINC Asia-Pacific 2019 will take place from March 12 to 13, 2019, at the AsiaWorld-Expo in *Lantau, Hong Kong*. LINC Asia-Pacific will focus on the demonstrations of interventional techniques, presenting multiple live cases and interdisciplinary discussions.

**LINC@SITE 2019**
29–31 March 2019, School of Medicine, University of Barcelona, *Barcelona, Spain*

**LINC@CICE 2019**
3–5 April 2019, WTC Theater, Sheraton São Paulo WTC Hotel, *São Paulo, Brazil*

**LINC@Charing Cross 2019**
15–18 April 2019, Olympia Grand, *London, United Kingdom*

**LINC New York@Mount Sinai**
11–12 June 2019 in conjunction with the 22nd CCVVC-Course, Mount Sinai Hospital, *New York, USA*

**LINC@CCT**
will feature selected topics and pre-recorded cases, dedicated to the treatment of patients with complex vascular diseases. 24–26 October 2019, Kobe International Exhibition Hall and Portopia Hotel, *Kobe, Japan*

**LINC@CEC**
December 2019, Shanghai International Convention Center, *Shanghai, China*

**LINC@VIVA Conference**
4–7 November 2019, Wynn Las Vegas, *Las Vegas, USA*

**LINC@VEITHsymposium**

**LINC Australia/VERVE Symposium**
5–7 December 2019, International Convention Centre (ICC), *Sydney, Australia*

Visit the LINC around the world website for updates: [www.linc-around-the-world.com](http://www.linc-around-the-world.com)
Special course for nurses, technicians, and fellows @ LINC
Current concepts and new approaches in endovascular interventions

*Step-by-step review of techniques and data by leading interventional experts*

**Focus on carotid stenting and embolization therapies**
- Carotid artery stenosis – diagnostic approach and indication for treatment
- Carotid artery stenting – latest technologies
- Principles of coil embolization for bleeding, endoleaks and beyond
- Interventional tumor therapy: what is available and how does it work?
- New applications for embolization therapies

**Focus on endovascular aortic repair**
- Endovascular aortic repair of infrarenal aortic and iliac aneurysms – from imaging to implantation
- The role of 2D and 3D fusion imaging for reconstruction of complex aortic pathologies
- Branched and fenestrated grafts – When and how to use?
- Endovascular treatment of aortic dissections
- Glimpse into the future: Endovascular treatment of the aortic arch and the ascending aorta
- The percutaneous approach: What do we need to know about different access sites?

**Focus on peripheral arterial interventions**
- Latest data in the field of drug-eluting therapies: What is the current status?
- The retrograde approach – when and how to do it?
- A review of atherectomy devices: What works best in which lesion?
- What is Intravascular Lithotripsy and when to use it?
- New hope for end-stage CLI patients: The concept of deep venous arterialization
- New approaches to measure perfusion after recanalization in CLI procedures

**Focus on venous interventions an AV-access**
- Iliac vein recanalisations: Indication, techniques, and outcome
- Endoluminal treatment of varicous veins
- Percutaneous creation of AV-fistula – initial experience

Due to the great success in the past years, LINC 2019 will feature a nurse and technician session again. The content is developed in cooperation with cath lab personnel in order to provide a maximum correlation to daily routine.

The format will allow an informal discussion with participation of the audience after each theme complex. A round table will enable you to ask questions and get the answers you do not get anywhere else.

**Do not miss, get interactive in the nurse and technician session @ LINC.**
Get the LINC 2019 app for iPhone, iPad, and iPod

**Programme**
- sort the LINC programme by day, room, or faculty member and view selected lectures the following day.

**Exhibitors**
- view the list of all LINC exhibitors and find their location on our interactive floorplan.

**Live Cases**
- sort the LINC live cases by day, center, or operator and review your favorite live cases the following day.

**General Information**
- get all important informations about and around LINC to organise your personal LINC visit.

**Faculty**
- find the schedule of your favourite faculty members.

Get the LINC app now!
- With a QR reader or visit the app store.
In 2019 we are very happy to continue extending our international collaboration with leading vascular courses:

CX@LINC 2019
Sharing the vision of interdisciplinary collaboration as the basis of innovation and patient care, we are proud to continue our productive partnership with the Charing Cross meeting by providing a dedicated CX@LINC programme. The involved faculty will discuss controversial topics, challenge the evidence and take part in a series of head-to-head debates to reach a consensus after discussion.

VIVA@LINC 2019
VIVA – one of the leading multidisciplinary endovascular courses in the United States has defined excellence in professional education in the field of vascular medicine over the years. As part of a close collaboration, we are very happy to introduce live cases broadcasted from featured VIVA live sites.

VIVA@LINC: Strategies on the frontline
This is a case-based, real world session focusing on what we like best … real cases with challenges and complications that make the experts sweat. In this amphitheater setting, audience participation is encouraged and step-by-step case management is featured and discussed.

CICE@LINC 2019
CICE has established itself as the leading scientific conference in Latin America, exclusively dedicated to update and training in the different areas of application of Endovascular Therapy. The CICE meeting, has gained recognition for its innovative and creative features, its scientific commitment and interactive classes, packed with scientific and technological innovations, delivered by some of the world best experts in the field.

SITE@LINC 2019
SITE (International Symposium on Endovascular Therapeutics) has become an international appointment to be updated in current technology and future directions in vascular diagnosis and advanced endovascular therapies. SITE is committed to providing the opportunity to discuss the current evidence and all the unmet needs about endovascular techniques.

CCT Japan@LINC 2019
Complex Cardiovascular Therapeutics (CCT) was founded in 2001 to explore new techniques in the field of cardiovascular intervention. The spirit of CCT is “challenge and innovation”. The CCT live demonstration course has grown to be the biggest live course in Asia at present.

Aortic and Peripheral Surgery “HOW TO DO IT”
This congress has become an event of the greatest importance in the field of vascular surgery, where outstanding experts meet to promote global exchange of recent achievements in open and endovascular aortic procedures, peripheral, carotid and venous disease. The mission of the meeting is to offer participants an update focused on practical aspects of vascular surgery, through a dynamic format, based on rapid paced presentations.
Since its establishment in 2008, CEC has always been committed to the aims that is strengthening basic treatment, standardizing clinical operations, serving first-line doctors, tracking major research, and comprehensively displaying the latest progress in the field of vascular disease diagnosis and treatment at home and abroad.

JET@LINC 2019
JET has become the largest conference on peripheral vascular intervention in Japan and the number of participants has increased to more than 2,000 in recent years. Many experts, including cardiovascular physicians, vascular surgeons, radiologists, plastic surgeons, and cerebrovascular specialists, will discuss issues comprehensively at the conference, and co-medical activities will also be available.
During LINC 2019 several live cases will be performed from national and international centers. All live case transmissions are coordinated, filmed, and produced by the mediAVentures crew, using the latest in high definition television and wireless technology.

- University Hospital Leipzig, Department of Angiology, Leipzig, Germany
- Policlinico Abano Terme, Abano Terme, Italy
- Heartcenter Bad Krozingen, Bad Krozingen, Germany
- Humanitas Gavazzeni Bergamo, Bergamo, Italy
- Sankt-Gertrauden-Hospital, Berlin, Germany
- OhioHealth Research Institute, Columbus, USA
- Johann Wolfgang Goethe University Frankfurt/Main, Department of Diagnostic and Interventional Radiology, Frankfurt/Main, Germany
- Galway University Hospital, Galway, Ireland
- University Hospital Jena, Jena, Germany
- St. Franziskus Hospital, Münster, Germany
- Mount Sinai Hospital, New York, USA
- Hôpital Marie Lannelongue, Paris, France
- UniversitätsSpital Zürich, Zurich, Switzerland
LINC 2019 – Accreditations and endorsements

- The Sächsische Landesärztekammer with 21 CME points. www.slaek.de
- The Swiss Society for Angiology with 31 CME points www.angioweb.ch
- Dutch Association for Vascular Surgery with 20 accreditation points in Category I www.vaat-chirurgie.nl

LINC 2019 is under the patronage of:
- The German Society for Angiology www.dga-gefaessmedizin.de
- The German Society of Vascular Surgery www.gefaesschirurgie.de

LINC 2019 is endorsed by:
- VIVA
The National Education Course for Vascular Intervention and Medicine www.vivapvd.com
- The European Society for Vascular Medicine www.vascular-medicine.org
- The Italian Society of Vascular and Endovascular Surgery www.sicve.it

- LINC 2019 has been rated compliant with the Medtech Europe code of ethical business practice www.ethicalmedtech.eu

LINC 2018 had a multidisciplinary attendance of 4,866 participants from more than 75 countries. Please visit our website for more details.
GENERAL INFORMATION

Registration desks will be open on

**Westin Hotel:**
Monday, 21 January 15:00 – 20:00 On Monday afternoon you have the possibility to pick up your badge/register

**Radisson Hotel:**
Monday, 21 January 15:00 – 20:00 On Monday afternoon you have the possibility to pick up your badge

**Marriott Hotel:**
Monday, 21 January 15:00 – 20:00 On Monday afternoon you have the possibility to pick up your badge

**Venue:**
The registration desks are located in Entrance Hall East at the Neue Messe Leipzig and will be open on:
- Tuesday, 22 January 07:00 – 18:00
- Wednesday, 23 January 07:30 – 18:00
- Thursday, 24 January 07:30 – 18:00
- Friday, 25 January 08:30 – 12:00

**Exhibit hours**
- Tuesday, 22 January 08:00 – 18:00
- Wednesday, 23 January 08:00 – 18:00
- Thursday, 24 January 08:00 – 18:00
- Friday, 25 January 09:00 – 12:00

Your name badge must be worn at all times for admittance to all LINC 2019 sessions, including the exhibit area. No new badge will be printed in case of loss. No exceptions will be made.

**Internet access**
Internet is available for free in the exhibit area during the entire duration of the congress. **Network: CCL, Username: linc2019, Password: leipzig.**

**Privacy**
The qr-code on your badge contains your encoded contact details. Only exhibitors who have the LINC 2019 qr-code reader will be able to obtain them from you. **By letting exhibitors scan your badge, you give your consent to share your data.**
We will be taking photography throughout the event for use in future marketing and communication activities. **If you DO NOT wish your photo to be included, please pick up a GREEN lanyard** from the registration desks so that you can be identified by our photographer.

**Media restrictions**
LINC strictly prohibits videotaping or recording any of the scientific sessions and live cases in the plenary rooms. Attendees with cameras will be asked to turn them off and put them away.
**LINC 2019 app for iPhone, iPad, and iPod**

At LINC 2019 we are presenting the new congress app. The app is showing the entire course programme, including the live case guide, list of all faculty members and sponsors/exhibitors and other helpful information around LINC 2019. The app features an “add to my calender”-tool to create your own LINC schedule, as well as a very convenient filter to find your points of interest faster. The most exciting feature of the app is the presentation of the scientific sessions, lectures, and live cases of each day of the congress with the possibility to view them again the following day.

**Meeting rooms**

All meeting rooms are located in the adjacent CCL. Please follow the signs from hall 2 to the CCL. A concierge at the CCL will show you the location of your meeting room.

**Room of silence**

The room of silence is located in the CCL, Multi-Purpose Area 4, level 0. Please follow the signs from hall 2 to the CCL.

**Assistance needed?**

If you need assistance to enter the venue, please contact us at the registration desk in Entrance Hall East, or beforehand in our office at info@cong-o.com.

**Official Airline Partner**


**Information desk**

For your convenience we have arranged for an information desk in hall 2. You will be able to obtain information/make reservations regarding local restaurants, hotels, ticket sales, etc.

**Restaurant**

At LINC 2019 you have the opportunity to visit our restaurants right next to hall 2. One restaurant offers a self-service counter for beverages and snacks, the other is a full service restaurant, serving a variety of hot and cold dishes every day of the congress.

**For table reservation, please contact:**

Mrs. Xenia Hunger  
Phone: +49 341 678 7011  
Fax: +49 341 678 167011  
E-Mail: xenia.hunger@fairgourmet.de

**Social dinner**

Tickets for our social dinner in the Moritzbastei on Thursday, 24 January 2019, can be purchased for 40,00 Euro at the ticket counter on Wednesday and Thursday from 13.00 until 18.00 o’clock on a first comes – first serves basis, max. 3 tickets per person.
SCIENTIFIC COMMITTEE

Dierk Scheinert, Cardiologist, Angiologist, Leipzig, Germany
Andrej Schmidt, Cardiologist, Angiologist, Leipzig, Germany
Giancarlo Biamino, Cardiologist, Angiologist, Impruneta, Italy

Iris Baumgartner, Angiologist, Bern, Switzerland
Marianne Brodmann, Angiologist, Graz, Austria
Wei Guo, Vascular Surgeon, Beijing, China
Stéphan Haulon, Vascular Surgeon, Paris, France
Nils Kucher, Cardiologist, Zurich, Switzerland
Steven Kum, Vascular Surgeon, Singapore, Singapore
Armando Lobato, Vascular Surgeon, São Paulo, Brazil
Vicente Riambau, Vascular Surgeon, Barcelona, Spain
Peter Schneider, Vascular Surgeon, Honolulu, United States
Ulf Teichgräber, Interventional Radiologist, Jena, Germany
Giovanni Torsello, Vascular Surgeon, Münster, Germany
Kazushi Urasawa, Cardiologist, Sapporo, Japan
Ramon Varcoe, Vascular Surgeon, Sydney, Australia
Hiroyoshi Yokoi, Cardiologist, Fukuoka, Japan
Thomas Zeller, Cardiologist, Angiologist, Bad Krozingen, Germany

LIVE CASE COMMITTEE

Gary Ansel, Cardiologist, Columbus, United States
Martin Austermann, Vascular Surgeon, Münster, Germany
Prakash Krishnan, Interventional Cardiologist, New York, United States
Ralf Langhoff, Angiologist, Berlin, Germany
Marco Manzi, Interventional Radiologist, Abano Terme, Italy
Antonio Micari, Cardiologist, Palermo, Italy
Gerard O’Sullivan, Interventional Radiologist, Galway, Ireland
Andrej Schmidt, Cardiologist, Angiologist, Leipzig, Germany
Thomas J. Vogl, Interventional Radiologist, Frankfurt, Germany
George Adams, Interventional Cardiologist, Wake Forest, United States
João Albuquerque e Castro, Vascular Surgeon, Parede, Portugal
Klaus Amendt, Angiologist, Mannheim, Germany
Hiroshi Ando, Interventional Cardiologist, Kasukabe, Japan
Michele Antonello, Vascular Surgeon, Padua, Italy
Ehrin Armstrong, Cardiologist, Denver, United States
René Aschenbach, Interventional Radiologist, Jena, Germany
Olaf Bakker, Vascular Surgeon, Utrecht, Netherlands
Jörgn Balzer, Interventional Radiologist, Mainz, Germany
Stanislaw Bartus, Cardiologist, Angiologist, Krakow, Poland
Steffen Basche, Interventional Radiologist, Ramsla, Germany
Rupert Bauersachs, Angiologist, Darmstadt, Germany
Yvonne Bausback, Angiologist, Leipzig, Germany
Robert Beasley, Interventional Radiologist, Miami Beach, United States
Raffaello Bellosta, Vascular Surgeon, Brescia, Italy
Ulrich Beschorner, Angiologist, Bad Krozingen, Germany
Theodosios Bisdas, Vascular Surgeon, Münster, Germany
Stephen Black, Vascular Surgeon, London, United Kingdom
Erwin Blessing, Cardiologist, Angiologist, Karlsbad, Germany
Dittmar Böckler, Vascular Surgeon, Heidelberg, Germany
Michael Borger, Cardiac Surgeon, Leipzig, Germany
Marc Bosiers, Vascular Surgeon, Dendermonde, Belgium
Michel Bosiers, Vascular Surgeon, Münster, Germany
Spiridon Botsios, Vascular Surgeon, Engelskirchen, Germany
Karin Brachmann, Vascular Surgeon, Leipzig, Germany
Sven Bräunlich, Angiologist, Leipzig, Germany
Daniela Branzan, Vascular Surgeon, Leipzig, Germany
Jan Brunkwall, Vascular Surgeon, Cologne, Germany
Jürgen Bühse, Data Protection Officer, Halle, Germany
Nico Busch, Regulatory Affairs Manager, Antwerp, Belgium
Roberto Chiesa, Vascular Surgeon, Milan, Italy
Tze Tec Chong, Vascular Surgeon, Singapore, Singapore
Angelo Cioppa, Cardiologist, Mercogliano, Italy
Giacomo Clerici, Internist, Pavia, Italy
Raphael Coscas, Vascular Surgeon, Boulogne-Billancourt, France
Frank Criado, Vascular Surgeon, Baltimore, United States
Jorge Cuenca, Vascular Surgeon, Granada, Spain
Michael Dake, Interventional Radiologist, Stanford, United States
Gianmarco de Donato, Vascular Surgeon, Siena, Italy
Rick de Graaf, Interventional Radiologist, Maastricht, Netherlands
Jean-Paul de Vries, Vascular Surgeon, Groningen, Netherlands
Erik Debing, Vascular Surgeon, Brussels, Belgium
Sebastian Debus, Vascular Surgeon, Hamburg, Germany
Costantino del Giudice, Interventional Radiologist, Paris, France
Koen Deloose, Vascular Surgeon, Dendermonde, Belgium
Joao Gualberto Diniz, Cardiovascular Surgeon, São Paulo, Brazil
Dai-Do Do, Angiologist, Bern, Switzerland
Bart Dolmatch, Interventional Radiologist, Palo Alto, United States
Konstantinos Donas, Vascular Surgeon, Münster, Germany
Franziska Dorn, Neuroradiologist, Munich, Germany
Eric Ducasse, Vascular Surgeon, Bordeaux, France
Stephan Duda, Interventional Radiologist, Berlin, Germany
Mert Dumantepe, Cardiovascular Surgeon, Istanbul, Turkey
Michael Edmonds, Diabetologist, London, United Kingdom
Rolf Engelberger, Angiologist, Freiburg, Switzerland
Christian Etz, Cardiac Surgeon, Leipzig, Germany
Fabrizio Fanelli, Vascular and Interventional Radiologist, Florence, Italy
Jorge Fernández Noya, Vascular Surgeon, Santiago de Compostela, Spain
Roberto Ferraresi, Interventional Cardiologist, Milan, Italy
Axel Fischer, Internist, Leipzig, Germany
Tobias Franiel, Interventional Radiologist, Jena, Germany
Bruno Freitas, Vascular Surgeon, Petrolina, Brazil
Masahiko Fujihara, Interventional Cardiologist, Kishiwada, Japan
Torsten Fuß, Angiologist, Radebeul, Germany
Paul Gagne, Vascular Surgeon, Darien, United States
Alexander Gangl, Radiology Technician, Graz, Austria
Lawrence Garcia, Cardiologist, Boston, United States
Mauro Gargiulo, Vascular Surgeon, Bologna, Italy
Patrick Geraghty, Vascular Surgeon, St Louis, United States
Reza Ghotbi, Vascular Surgeon, Munich, Germany
Rocco Giudice, Vascular Surgeon, Rome, Italy
Yann Gouëffic, Vascular Surgeon, St. Herblain, France
Juan Fernando Granada Solis, Cardiologist, New Jersey, United States
William Gray, Cardiologist, Wynnewood PA, United States
Roger Greenhalgh, Vascular Surgeon, London, United Kingdom
Grzegorz Halena, Vascular Surgeon, Gdansk, Poland
Alison Halliday, Vascular Surgeon, Oxford, United Kingdom
Christopher Hammond, Consultant Vascular and Interventional Radiologist, Leeds, United Kingdom
Timothy Hanson, Senior Statistical Manager, Minneapolis, United States
Olivier Hartung, Vascular Surgeon, Marseille, France
Paul Hayes, Vascular Surgeon, Cambridge, United Kingdom
Jörg Heckenkamp, Vascular Surgeon, Osnabrück, Germany
Robin Hendricus Heijmen, Cardiothoracic Surgeon, Nieuwegein, Netherlands
Hans Henkes, Interventional Radiologist, Stuttgart, Germany
Jan Heyligers, Consultant Vascular Surgeon, Tilburg, Netherlands
Tobias Hirsch, Angiologist, Halle (Saale), Germany
Ralf-Thorsten Hoffmann, Interventional Radiologist, Dresden, Germany
Peter Holt, Vascular Surgeon, London, United Kingdom
Peter Huppert, Interventional Radiologist, Darmstadt, Germany
Osamu Iida, Interventional Cardiologist, Amagasaki, Japan
Maria Louisa Izamis, Clinical Scientist, Eindhoven, Netherlands
Luis Izquierdo, Vascular Surgeon, Madrid, Spain
Michael Jacobs, Vascular Surgeon, Maastricht, Netherlands
Houman Jalaie, Vascular Surgeon, Aachen, Germany
Konrad Janowski, Vascular Surgeon, Lodz, Poland
Robert Jones, Consultant Interventional Radiologist, Birmingham, United Kingdom
Lowell Kabnick, Vascular Surgeon, Far Hills, New Jersey, United States
Andrea Kahlberg, Vascular Surgeon, Milan, Italy
Konstantinos Katsanos, Interventional Radiologist, London, United Kingdom
Athanasiios Katsargyris, Vascular Surgeon, Nuremberg, Germany
Daizo Kawasaki, Interventional Cardiologist, Osaka, Japan
Panagiotis Kitrou, Interventional Radiologist, Patras, Greece
Tilo Kölbel, Vascular Surgeon, Hamburg, Germany
Maaike Koenrades, Other, Enschede, Netherlands
Ralf Kolvenbach, Vascular Surgeon, Düsseldorf, Germany
Andreas Koops, Interventional Radiologist, Berlin, Germany
Grigoris Korosoglou, Cardiologist, Angiologist, Weinheim, Germany
Hans Krankenberg, Cardiologist, Angiologist, Hamburg, Germany
Boonprasit Kritpracha, Vascular Surgeon, Songkhla, Thailand
Mario Lachat, Vascular Surgeon, Zurich, Switzerland
John Laird, Cardiologist, Davis, United States
Wouter Lansink, Vascular Surgeon, Genk, Belgium
Thomas Larzon, Vascular Surgeon, Örebro, Sweden
Michael Lichtenberg, Angiologist, Arnsberg, Germany
Francesco Liistro, Interventional Cardiologist, Arezzo, Italy
Romaric Loffroy, Interventional Radiologist, Dijon, France
Robert Lookstein, Vascular and Interventional Radiologist, New York, United States
Luigi Lovato, Radiologist, Bologna, Italy
Jernej Lučev, Interventional Radiologist, Maribor, Slovenia
Anina Lukhaup, Angiologist, Munich, Germany
Philipp Lurz, Cardiologist, Leipzig, Germany
Madeleine Luther, Other, Leipzig, Germany
Sean Lyden, Vascular Surgeon, Cleveland, United States
Bettina Maiwald, Interventional Radiologist, Leipzig, Germany
Thomas Maldonado, Vascular Surgeon, Bronxville, United States
Martin Malina, Vascular Surgeon, Copenhagen, Denmark
Amer Malouhi, Interventional Radiologist, Jena, Germany
Klaus Mathias, Interventional Radiologist, Hamburg, Germany
Matthew Menard, Vascular Surgeon, Lincoln, United States
Chris Metzger, Interventional Cardiologist, Kingsport, United States
Michael Moche, Interventional Radiologist, Nuremberg, Germany
Bijan Modarai, Vascular Surgeon, London, United Kingdom
Frans Moll, Vascular Surgeon, Utrecht, Netherlands
Miguel Montero-Baker, Vascular Surgeon, Houston, United States
Piero Montorsi, Interventional Cardiologist, Milan, Italy
Nilo Mosquera, Vascular Surgeon, Ourense, Spain
Katja Mühlberg, Internist, Angiologist, Leipzig, Germany
Stefan Müller-Hülsbeck, Interventional Radiologist, Flensburg, Germany
David Murray, Consultant Vascular and Endovascular Surgeon, Manchester, United Kingdom
Jihad Mustapha, Interventional Cardiologist, Grand Rapids, United States
Patrice Mwipatayi, Vascular Surgeon, Perth, Australia
Tatsuya Nakama, Cardiologist, Miyazaki, Japan
Sigrid Nikol, Cardiologist, Angiologist, Hamburg, Germany
Piotr Odrowaz-Pieniazek, Interventional Cardiologist, Krakow, Poland
Luis Mariano Palena, Interventional Radiologist, Abano Terme, Italy
Maciej Pech, Radiologist, Magdeburg, Germany
Markus Peck-Radosavljevic, Internist, Klagenfurt, Austria
Johann Pelz, Neurologist, Leipzig, Germany
Constantino Peña, Interventional Radiologist, Key Biscane, United States
Daniel Périard, Angiologist, Freiburg, Switzerland
Tim Ole Petersen, Interventional Radiologist, Leipzig, Germany
Giovanni Pratesi, Vascular Surgeon, Rome, Italy
Anna Prent, Vascular Surgeon, London, United Kingdom
Marios Nikos Psychogios, Neuroradiologist, Göttingen, Germany
Boris Radeleff, Interventional Radiologist, Hof, Germany
Antonio Gaetano Rampoldi, Interventional Radiologist, Milan, Italy
Aljoscha Rastan, Angiologist, Bad Krozingen, Germany
Mahmood Razavi, Interventional Radiologist, Orange, United States
Jim A. Reekers, Interventional Radiologist, Amsterdam, Netherlands
Michel Reijnen, Vascular Surgeon, Arnhem, Netherlands
Bernhard Reimers, Cardiologist, Milan, Italy
Olaf Richter, Vascular Surgeon, Leipzig, Germany
Maria Antonella Ruffino, Interventional Radiologist, Turin, Italy
Ravish Sachar, Interventional Cardiologist, Raleigh, United States
Oliver Schlager, Angiologist, Vienna, Austria
Michiel Schreve, Vascular Surgeon, Beverwijk, Netherlands
Johannes Schuster, Angiologist, Zürich, Switzerland
Tim Sebastian, Angiologist, Zürich, Switzerland
Sven Seifert, Vascular Surgeon, Chemnitz, Germany
Robert Shahverdyan, Vascular Surgeon, Hamburg, Germany
Nicolas Shammas, Interventional Cardiologist, Davenport, United States
Chang Shu, Vascular Surgeon, Beijing, China
Horst Sievert, Cardiologist, Frankfurt, Germany
Sebastian Sixt, Cardiologist, Angiologist, Biel, Switzerland
Jonathan Sobocinski, Vascular Surgeon, Lille, France
Yoshimitsu Soga, Interventional Cardiologist, Kokura, Japan
Eugenio Stabile, Cardiologist, Napoli, Italy
Konstantinos Stavroulakis, Vascular Surgeon, Münster, Germany
Markus Steinbauer, Vascular Surgeon, Regensburg, Germany
Sabine Steiner, Angiologist, Vienna, Austria
Tobias Steinke, Vascular Surgeon, Düsseldorf, Germany
Martin Storck, Vascular Surgeon, Karlsruhe, Germany
John Swinnen, Vascular Surgeon, Westmead, Australia
Aly Talen, Clinical Researcher, Antwerp, Belgium
Gunnar Tepe, Interventional Radiologist, Rosenheim, Germany
Jörg Teßarek, Vascular Surgeon, Lingen, Germany
Marcus Thieme, Angiologist, Sonneberg, Germany
Shannon Thomas, Vascular and Endovascular Surgeon, Randwick, Australia
Ignace Tielliu, Vascular Surgeon, Groningen, Netherlands
Giovanni Federico Torsello, Interventional Radiologist, Berlin, Germany
Roberto Traversari, Researcher Consultant, Apeldoorn, Netherlands
Scott Trerotola, Interventional Radiologist, Philadelphia, United States
Santi Trimarchi, Vascular Surgeon, San Donato Milanese, Italy
Matthias Ulrich, Angiologist, Leipzig, Germany
Jos van den Berg, Interventional Radiologist, Lugano, Switzerland
Daniel van den Heuvel, Interventional Radiologist, Nieuwegein, Netherlands
Joost A. van Herwaarden, Vascular Surgeon, Utrecht, Netherlands
Marc van Sambeek, Vascular Surgeon, Eindhoven, Netherlands
Carlos Vaquero-Puerta, Vascular Surgeon, Valladolid, Spain
Frank Veith, Vascular Surgeon, Bronx, New York, United States
Eric Verhoeven, Vascular Surgeon, Nuremberg, Germany
Frank Vermassen, Vascular Surgeon, Gent, Belgium
Fabio Verzini, Vascular Surgeon, Perugia, Italy
Vincent Vidal, Interventional Radiologist, Marseille, France
Heiko Wendorff, Vascular and Endovascular Surgeon, Munich, Germany
Martin Werner, Angiologist, Vienna, Austria
Philipp Wiggermann, Radiologist, Braunschweig, Germany
Christian Wissgott, Interventional Radiologist, Heide, Germany
Tim Wittig, Angiologist, Leipzig, Germany
Walter Wohlgemuth, Interventional Radiologist, Halle, Germany
Hany Zayed, Vascular Surgeon, London, United Kingdom
Clark Zeebregts, Vascular Surgeon, Groningen, Netherlands

Mohammad Ansari, Interventional Cardiologist, Lubbock, United States
Lee Chang Hoon, Interventional Cardiologist, Seoul, Republic of Korea
George Chrysant, Interventional Cardiologist, Oklahoma City, United States
Yutaka Dannoura, Cardiologist, Sapporo, Japan
Brian DeRubertis, Vascular Surgeon, Los Angeles, United States
Amit Dwivedi, Vascular Surgeon, Prospect, United States
Peter Farrugia, Cardiologist, Colts Neck, United States
Aloke Finn, Interventional Cardiologist, Gaithersburg, United States
Lucas Freire, Vascular Surgeon, Campinas-SP, Brazil
Naoki Fujimura, Vascular Surgeon, Tokyo, Japan
Karan Garg, Vascular Surgeon, New York, United States
Robbie George, Vascular Surgeon, Bangalore, India
Mark Goldberg, Vascular Surgeon, Beachwood, United States
Dong Erk Goo, Interventional Radiologist, Seoul, Republic of Korea
Naoki Hayakawa, Interventional Cardiologist, Asahi, Japan
Robert Heidepriem, Vascular Surgeon, Birmingham Alabama, United States
Yang Jiao, Vascular Surgeon, Beijing, China
Jin-Hyun Joh, Vascular Surgeon, Seoul, Republic of Korea
Zaza Alexandrovich Kavteladze, Interventional Cardiologist, Moscow, Russian Federation
Jang Yong Kim, Vascular Surgeon, Seoul, Republic of Korea
Chang-Won Kim, Interventional Radiologist, Busan, Republic of Korea
Jinoo Kim, Interventional Radiologist, Suwon City, Republic of Korea
Sangmin Kim, Cardiologist, Cheongju-si, Republic of Korea
Dirk Le Roux, Vascular Surgeon, Sandton, South Africa
Taeseung Lee, Vascular Surgeon, Seonam-si, Republic of Korea
Jun Li, Interventional Cardiologist, Parma, United States
Kumar Madassery, Interventional Radiologist, Glenview, United States
Jim Melton, Vascular Surgeon, Oklahoma City, United States
Ana Mollon, Interventional Cardiologist, Buenos Aires, Argentina
Erin Moore, Vascular Surgeon, Jacksonville, United States
Zola N'Dandu, Interventional Cardiologist, New Orleans, United States
Brandon Olivier, Interventional Radiologist, Miami, United States
Giuseppe Papia, Vascular Surgeon, Toronto, Canada
Sang Woo Park, Interventional Radiologist, Seoul, Republic of Korea
Inkyong Parrack, Vascular Surgeon, Sarasota, United States
Virendra Patel, Vascular Surgeon, New York, United States
John Phillips, Interventional Cardiologist, Columbus, United States
Vikram Puttaswamy, Vascular Surgeon, Sydney, Australia
Johnathon Rollo, Vascular Surgeon, Seattle, United States
Ricardo Ruz, Vascular Surgeon, Blainville, United States
Ammar Safar, Interventional Cardiologist, Dayton, United States
Luis Ricardo Sanchez Escalante, Vascular Surgeon, Monterrey, Mexico
Saadat Shariff, Vascular Surgeon, New York, United States
Tsuyoshi Shibata, Vascular Surgeon, Hakodate, Japan
Michael Silva, Vascular Surgeon, Texas, Galveston, United States
Suk-Won Song, Cardiovascular Surgeon, Seoul, Republic of Korea
Myung Gyu Song, Interventional Radiologist, Seoul, Republic of Korea
Samuel N. Steerman, Vascular Surgeon, Virginia Beach, United States
Jordan Stern, Vascular Surgeon, Palo Alto, United States
Makoto Sugihara, Interventional Cardiologist, Fukuoka, Japan
Hideyuki Takimura, Interventional Cardiologist, Tokyo, Japan
Michinao Tan, Cardiologist, Sapporo, Japan
Yoshinori Tsubakimoto, Interventional Cardiologist, Kyoto, Japan
Takuma Tsuda, Interventional Cardiologist, Nagoya, Japan
Andrew Unzeitig, Vascular Surgeon, Atlanta, United States
Sergej Volkov, Vascular Surgeon, Moscow, Russian Federation
Jinsong Wang, Vascular Surgeon, Guangzhou, China
Jong Yun Won, Interventional Radiologist, Seoul, Republic of Korea
Mathew Wooster, Vascular Surgeon, Charleston, United States
Dongming Zhang, Vascular Surgeon, Dalian, China
08:00 – 09:30  Symposium: Keep on walking: Steps towards successful PAD treatment supported with an educational grant from Abbott Vascular
Moderator: D. Scheinert

08:00 – 08:07  Step by step SFA/pop treatment algorithm  T. Zeller
08:07 – 08:14  Step by step selection algorithm and clinical decision making through OCT technology  J. Sobocinski
08:14 – 08:45  ■ Live case transmission from Leipzig
08:45 – 08:52  Supera CFA VMI 1-year follow-up results  K. Deloose
08:52 – 08:59  Supera in AVF management and 1-year outcomes  S. Thomas
08:59 – 09:06  Supera in popliteal aneurysm, proof of concept, and clinical outcomes  J. Teßarek
09:06 – 09:30  ■ Live case transmission from Leipzig
**SYMPOSIUM: SEE CLEARLY, TREAT OPTIMALLY: IMAGE GUIDED THERAPY ON THE RISE**

**Supported with an educational grant from Philips**

**Moderators:** D. Scheinert, F. Moll

**Panel:** C. Peña, J. Reekers, F. Fanelli, M. Izamis

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<td>09:30</td>
<td><strong>Introduction and learning objectives</strong></td>
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<td>D. Scheinert</td>
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<tr>
<td>09:35</td>
<td><strong>Next generation pan-vascular suite: optimizing patient management and outcomes</strong></td>
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<td>C. Peña</td>
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<tr>
<td>09:49</td>
<td><strong>Perfusion angiography for optimizing planning and treatment of the diabetic foot</strong></td>
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<td>J. Reekers</td>
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<td>09:57</td>
<td><strong>BTK recorded case presentation</strong></td>
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<td>M. Manzi</td>
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<td>10:17</td>
<td><strong>Role of IVUS within a “treat optimally” algorithm of care</strong></td>
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<td>F. Fanelli</td>
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<td>10:25</td>
<td><strong>Innovations at the forefront: a glance at the future of image guided therapy</strong></td>
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<td>M. Izamis</td>
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<td>10:35</td>
<td><strong>Live case transmission from Leipzig</strong></td>
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<tr>
<td>11:00</td>
<td><strong>Q&amp;A and conclusion</strong></td>
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**LONG-TERM SAFETY OF DRUG-ELUTING TECHNOLOGIES IN THE LEG**

**Recent findings, controversies, and future outlook**

**Moderators:** D. Scheinert, J. Laird

**Panel:** K. Katsanos, P. Schneider, M. Dake, T. Zeller, W. Gray, S. Lyden

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<tr>
<td>11:00</td>
<td><strong>Risk of death following application of Paclitaxel-coated balloons and stents in the femoropopliteal artery – Findings from a metaanalysis of RCTs</strong></td>
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<td>K. Katsanos</td>
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<td>11:10</td>
<td><strong>A look into the methods: merits and limits of meta-analysis</strong></td>
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<td>T. Hanson</td>
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<td>11:16</td>
<td><strong>Toxicological aspects and safety profile of Paclitaxel</strong></td>
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<td>J. Granada</td>
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<td>11:22</td>
<td><strong>Event adjudication in clinical trials: how does it work?</strong></td>
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<td>M. van Sambeek</td>
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<tr>
<td>11:28</td>
<td><strong>DCBs over the long-term: Are they safe for our PAD patients?</strong></td>
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<td>Insights from the IN.PACT™ DCB programme</td>
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<td>P. Schneider</td>
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<td>11:33</td>
<td><strong>Long-term safety data of the Lutonix DCB formulation</strong></td>
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<td>D. Scheinert</td>
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<td>11:38</td>
<td><strong>Long-term safety data from the Stellarex DCB programme</strong></td>
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<td>S. Lyden</td>
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<td>11:43</td>
<td><strong>Long-term safety information on Paclitaxel eluting stents</strong></td>
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<td>Insights from the Zilver PTX programme</td>
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<td>M. Dake</td>
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<td>11:48</td>
<td><strong>Patient safety in the Eluvia-DES and Ranger DCB programme</strong></td>
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<td>W. Gray</td>
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<td>11:53</td>
<td><strong>How to proceed to generate more evidence on patient safety with drug-eluting devices?</strong></td>
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<td>P. Schneider</td>
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<td>12:00</td>
<td><strong>Podium discussion</strong></td>
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<tr>
<td>12:15</td>
<td>“To stent or not to stent?” – Latest data on stentless and stent-based treatment approaches for femoropopliteal lesions</td>
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<td><em>Moderators: D. Scheinert, W. Gray</em></td>
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<td><em>Panel: O. Iida, G. Tepe, H. Yokoi</em></td>
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<td><strong>Focus on new data on drug-coated balloons</strong></td>
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<td>12:15</td>
<td>First time data release:</td>
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<td>Randomized trial of DCB vs. PTA: Final 3-year clinical outcomes from IN.PACT™</td>
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<td>Japan O. Iida</td>
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<td>12:20</td>
<td>First time data release:</td>
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<td>Insights from the IN.PACT™ global study 3-year data:</td>
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<td>Does lesion complexity affect results? J. van den Berg</td>
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<td>12:25</td>
<td>First time data release:</td>
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<td>Global diabetic analyses of all Lutonix DCB SFA combined trials</td>
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<td>K. Deloose</td>
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<td>12:30</td>
<td>First time data release:</td>
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<td>COMPARE-Pilot RCT: 2-year results of a randomized comparison of RANGER DCB</td>
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<td>vs. IN.PACT DCB in complex SFA lesions</td>
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<td>D. Scheinert</td>
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<td>12:35</td>
<td>First time data release:</td>
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<td>IN.PACT™ Global study 3-year outcomes for stented vs. non-stented lesions</td>
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<td>T. Zeller</td>
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<td>12:40</td>
<td>First time data release:</td>
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<td>Real-world experience with a paclitaxel-coated balloon for the treatment</td>
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<td>of atherosclerotic infrainguinal arteries: 24-month results</td>
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<td>of the BIOLUX P-III full cohort G. Tepe</td>
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<td>12:45</td>
<td>First time data release:</td>
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<td>DCB in severe Calcium: Core-laboratory analysis and perspectives</td>
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<td>from the ILLUMENATE trial series S. Lyden</td>
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<td>12:50</td>
<td>Stellarex in real world: Interim look from the SAVER registry</td>
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<td>F. Vermassen</td>
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<td>12:55</td>
<td>First time data release:</td>
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<td>Final 12-month results of the Zilverpass-RCT of Zilver PTX vs. bypass</td>
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<td>M. Bosiers</td>
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<td>13:00</td>
<td>TOBA II Trial (Lutonix or POBA + Tack) – 1-year results</td>
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<td>W. Gray</td>
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<td>13:05</td>
<td>First time data release:</td>
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<td>Diabetic patients treated in the IMPERIAL randomized trial</td>
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<td>comparing Eluvia and Zilver PTX stents S. Müller-Hülsbeck</td>
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<td>13:10</td>
<td>First time data release:</td>
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<td>Japanese patients treated in the IMPERIAL randomized trial</td>
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<td>13:15</td>
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<td>Zilver PTX Japan 5-year results for paclitaxel-eluting stent treatment</td>
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<td>of femoropopliteal artery disease H. Yokoi</td>
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<td>13:20</td>
<td>First time data release:</td>
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<td>The Illumina FIH study with a next generation DES – 12-month results</td>
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<td>D. Scheinert</td>
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<td>13:25</td>
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<td>Discussion and conclusion</td>
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Symposium: Strategies and innovative solutions for success in complex peripheral arterial disease
sponsored by Medtronic
Moderator: D. Scheinert
Panel: J. Laird, T. Bisdas, K. Stavroulakis, J. van den Berg

13:30 – 13:38 Endovascular lessons learned in the last decade: what are the remaining challenges? T. Bisdas

13:38 – 14:02 Live case transmission from Leipzig

14:02 – 14:10 Long lesions: primary stenting or DCB first? J. Laird

14:10 – 14:18 Calcium: The Achilles heel of endovascular? Scaffold or remove before drug delivery? K. Stavroulakis

14:18 – 14:42 Live case transmission from New York

14:42 – 14:49 Dissections: prevent, minimize, or repair J. van den Berg

14:49 – 15:00 Discussion and conclusion

Symposium: Virtues of VIRTUS: Exploring implications for clinical practice supported with an educational grant from Boston Scientific
Moderator: S. Black
Panel: M. Razavi, M. Lichtenberg, L. Izquierdo, L. Kabnick

15:00 – 15:05 Welcome and introduction S. Black

15:05 – 15:20 VIRTUS: Trial design and primary endpoint results M. Razavi

15:20 – 15:35 VICI VENOUS STENT: Design attributes & patient outcome L. Kabnick

15:35 – 15:40 Panel discussion and questions

15:40 – 15:50 Complexities of chronic venous disease M. Lichtenberg

15:50 – 16:00 Imaging, its central role in planning and guiding intervention L. Izquierdo

16:00 – 16:20 Live case transmission from Galway

16:20 – 16:30 Panel discussion and questions

Advanced solutions for complex femoral lesions and critical limb ischemia
Moderators: J. Laird, M. Bosiers

16:30 – 16:36 True minimally invasive access strategies for complex peripheral interventions J. van den Berg

16:36 – 17:02 Live case transmission from Leipzig

17:02 – 17:07 First time data release:
Can Legflow® improve treatment of long femoropopliteal lesions: the REFLOW outcomes M. Bosiers

17:07 – 17:12 First time data release:
Total IN.PACT™ 1-year results: Complex lesion outcomes from the IN.PACT™ study series P. Schneider

17:12 – 17:18 IN.PACT™ Admiral DCB: a look at long lesion outcomes across trials A. Micari via satellite from Bergamo

17:18 – 17:24 From research to practice: how does atherectomy fit in my treatment algorithm G. Korosoglou

17:24 – 17:50 Live case transmission from New York

17:50 – 17:55 REALITY: Initial experience R. Sachar

17:55 – 18:00 Phoenix atherectomy: technique and real-world evidence M. Montero-Baker
## Acute deep vein thrombosis

**Moderators:** R. de Graaf, M. Lichtenberg  
**Panel:** S. Black, H. Jalaie, O. Hartung, T. Sebastian

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<td>Ascending femoropopliteal DVT without iliac vein involvement: any role for endovascular therapy</td>
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<td>08:10 – 08:20</td>
<td>Ultrasound-assisted thrombolysis for acute DVT: effect of ultrasound waves and microbubbles on thrombus removal</td>
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<td>08:20 – 08:30</td>
<td>The CAVA study, what can we expect?</td>
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<td>08:30 – 08:40</td>
<td>Evidence for endovascular therapy of iliofemoral DVT: CAVENT, ATTRACT, CAVA, uncontrolled studies</td>
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<td>08:40 – 09:10</td>
<td>Anticoagulation therapy following endovascular therapy of iliofemoral DVT</td>
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<td>09:05 – 09:10</td>
<td>Live case transmission from Zurich</td>
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<td>09:10 – 09:30</td>
<td>Live case transmission from Galway</td>
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## Aorto iliac obstructive disease: Endoluminal solutions

Partially supported with an educational grant from Gore & Associates  
**Moderators:** M. Antonello, H. Krankenberg  
**Panel:** K. Deloose, P. Mwipatayi, G. de Donato, S. Lyden, F. Vermassen

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<td>Complexity of iliac occlusive disease, current treatment algorithm, and treatment gaps</td>
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<td>09:30 – 09:36</td>
<td>Crossing techniques for complex aortoiliac obstructions – Why is the bi-directional approach the best?</td>
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<td>09:36 – 09:42</td>
<td>Self-expanding vs. balloon-expandable stents for iliac artery disease: Is either superior?</td>
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<td>09:42 – 09:48</td>
<td>The value of covered stents in treatment of complex TASC C and D iliac lesions: the initial experiences with the BELSTREAM study</td>
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<td>09:48 – 09:55</td>
<td>Live case transmission from Leipzig</td>
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<td>10:10 – 10:20</td>
<td>First time data release: The BOLSTER study with the Lifestream covered stent in iliac lesions – 3-year outcomes</td>
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<td>10:25 – 10:45</td>
<td>Case discussion: Covered self-expandable endoprosthesis and dual component stent for iliac treatment</td>
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<td>10:45 – 10:55</td>
<td>Case discussion: Aorto iliac case with covered balloon expandable stent</td>
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<td>10:50 – 11:00</td>
<td>Discussion and conclusion</td>
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## Venous stent placement for post-thrombotic syndrome

**Moderators:** H. Jalaie, S. Black  
**Panel:** R. Lookstein, M. Razavi, R. Varcoe, O. Schlager

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<td>VENOVO® venous stent – 12-month update on the Vernacular trial</td>
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<td>11:20 – 11:30</td>
<td>Live case transmission from Galway</td>
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<td>11:30 – 11:40</td>
<td>Update on performance of venous stents for PTS patients</td>
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<td>11:40 – 11:50</td>
<td>First time data release: VIRTUS trial: Pivotal cohort 12-month primary safety and efficacy results of the Vici venous stent system</td>
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<td>11:50 – 12:00</td>
<td>Live case transmission from Zurich</td>
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<td>12:00 – 12:10</td>
<td>Live case transmission from Galway</td>
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<td>12:10 – 12:20</td>
<td>IVUS and pressure gradients for PTS treatment: mandatory or fancy?</td>
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12:30 – 13:25 Lunch symposium: Treating PAD in the SFA: “Challenge the status quo” – Revealing new evidence to provide the answers supported with an educational grant from COOK Medical
Moderator: M. Dake
Panel: M. Bosiers, I. Baumgartner, R. Beasley
12:30 – 12:33 Introduction M. Dake
12:33 – 12:43 Zilver PTX Global data analysis highlights DES benefits in challenging patient populations M. Dake
12:43 – 12:53 Tried and True: Evaluating the momentary hype R. Beasley
12:53 – 13:03 Follow the data: Your 2019 treatment algorithm I. Baumgartner

13:30 – 15:00 New concepts for AV-shunt revascularisation and central vein stenoses
Moderators: R. Lookstein, R. Varcoe
Panel: J. Lučev, R. Jones, S. Trerotola, P. Kitrou, K. Katsanos
13:30 – 13:36 Endovascular treatment of haemodialysis arteriovenous fistula J. Lučev
13:36 – 13:41 COVERA™ – 6-month update on AVeNEW trial design for outflow stenosis in AV fistula circuits B. Dolmatch
13:47 – 14:07 Live case transmission from Galway
14:07 – 14:12 First time data release: IN.PACT™ AV access drug-coated balloon study: Full baseline characteristics R. Lookstein
14:12 – 14:17 First time data release: 24-month results from LUTONIX AV randomized IDE trial S. Trerotola
14:17 – 14:22 First time data release: Final 6-month results from the LUTONIX® Global AV registry P. Kitrou
14:22 – 14:30 Presentation of recorded cases P. Kitrou
14:30 – 14:36 Singapore & Taiwan experience with the Lutonix DCB in the AV registry T. Chong
14:36 – 14:41 First time data release: 4Fr WavelinQ EndoAVF system latest 6-month clinical outcomes R. Jones
14:41 – 14:51 Recorded case presentation S. Trerotola
14:51 – 15:00 Discussion and conclusion

15:00 – 16:30 Symposium: Dual layer micromesh – taking the latest technology to the next level supported with an educational grant from Terumo
Moderator: G. Torsello
Panel: S. Müller-Hülsbeck, P. Montorsi, T. Fuß
15:00 – 15:10 How the Roadsaver stent changed my practice in CAS S. Müller-Hülsbeck
15:10 – 15:20 The impact of stent design and embolic protection on safety of CAS interventions P. Montorsi
15:20 – 15:45 Live case transmission from Bergamo
15:45 – 15:55 My journey with Roadsaver through the last four years P. Odrowaz-Pieniazek
15:55 – 16:05 Latest experience with dual layer stents in the lower limbs T. Fuß
16:05 – 16:30 Live case transmission from Berlin
Scrub-in with the experts:
Endovascular therapy of chronic deep vein obstructions
- with Nils Kucher live from Zurich
- with Gerard O’Sullivan live from Galway
Moderator: S. Black
Flash presentations:
Endovascular techniques for difficult deep vein obstructions  S. Black
Endophlebectomy plus stent vs. stent reconstruction alone for PTS patients with poor inflow vessels  H. Jalaie
Antithrombotic therapy following stent reconstruction for PTS: real word practice and the planned ARIVA trial  T. Sebastian
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<th>Time</th>
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| 09:00 – 11:30 | Management of carotid artery disease: Remaining controversies, latest technologies, and challenges ahead  
**Moderators:** H. Sievert, A. Halliday  
**Panel:** M. Storck, G. Biamino, F. Veith |
| 09:06 – 09:12 | **LINC status update: Management of asymptomatic stenoses**  
Medical therapy is usually sufficient for asymptomatic carotid stenosis. What are the exceptions? J. Pelz |
| 09:12 – 09:18 | **LINC status update: Management of asymptomatic stenoses**  
Carotid repair is best for asymptomatic carotid stenosis because medical management alone does not work P. Schneider |
| 09:18 – 09:23 | Status update on the ongoing trials looking at asymptomatic carotid stenoses A. Halliday |
| 09:26 – 09:51 | Audience vote  
Live case transmission from Berlin  
Carotid interventions – is there a gender difference in outcome? M. Storck  
40 years of carotid angioplasty – A glance back K. Mathias |
| 10:00 – 11:30 | Focus session: Advances in stroke management  
**Moderators:** F. Dorn, H. Henkes  
**Panel:** S. Duda, M. Psychogios |
| 11:30 – 12:30 | Time management in endovascular stroke treatment M. Psychogios  
Credentialing approaches for interventional stroke management S. Duda  
Discussion and conclusion |
Tuesday, 22 January 2019 (cont.)

**ROOM 3 – TECHNICAL FORUM**

**12:35 – 13:20**
Lunch symposium: Why do we need proven balloon expandable covered stents for long term performance?
supported with an educational grant from Getinge
Moderator: E. Ducasse
Panel: E. Verhoeven, G. Torsello

**12:35 – 12:45**
The 15-year evolution of covered stent: Choosing the best stent for iliac artery disease. Is COBEST a strong evidence for V12 as choice of covered stent?
P. Mwipatayi

**12:45 – 12:55**
Reliable performance of Advanta V12 in complex aortic cases as a renal stent
E. Verhoeven

**12:55 – 13:05**
Long-term Münster experience with Advanta V12 and latest in-vitro evidence
G. Torsello

**13:05 – 13:20**
Discussion and conclusion

**13:30 – 15:00**
Scrub-in with the experts:
Innovative approaches for complex femoropopliteal lesions
partially supported with an educational grant from B. Braun Melsungen

- with Ralf Langhoff live from Berlin
- with Sven Bräunlich live from Leipzig

Moderators: M. Palena, B. DeRubertis
Panel: K. Amendt, M. Lichtenberg, C. Metzger

Flash presentations:
- Treatment algorithm for a “leaving as little as possible behind” strategy in femoro-popliteal lesions T. Zeller
- Dissecting the TOBA data: What does it mean in practice P. Schneider

**Indications for spot stenting – where to place spot stents?**

- Case discussion: Major dissection treated with DCB and spot stents M. Lichtenberg
- Case discussion: Calcified long femoro-popliteal lesions treated with DCB and spot stents E. Blessing

Long-segment stenting with woven nitinol stents: the new endoluminal bypass managing B. DeRubertis

**15:00 – 16:30**
Scrub in with the experts: Challenging aortoiliac interventions

- with Andrej Schmidt live from Leipzig
- with Prakash Krishnan live from New York

Moderators: L. Garcia, M. Reijnen
Panel: P. Mwipatayi, S. Nikol, H. Krankenberg

Flash presentations:
- A series of BeGraft implantations in isolated aortic stenoses: a women’s issue? S. Nikol
- Acute and follow-up results of complete aortoiliac obstructions (Leriche syndrome) – The Leipzig experience M. Luther
- Global CERAB study: where are we standing? M. Reijnen
- Covered stents as a lifesaver for the patient and me in my most bizarre cases M. A. Ruffino
16:30 – 18:00  

**Scrub-in with the experts:**

**Supraaortic and brachial interventions**
- with Fausto Castriota and Antonio Micari live from Bergamo
- with Andrej Schmidt live from Leipzig

*Moderators: W. Gray, H. Sievert*
*Panel: S. Lyden, B. Reimers, S. Bartus*

*Flash presentations:*
- Use of OCT and IVUS during CAS  
  *B. Reimers*
- Comparison of Intravascular Ultrasound (IVUS) virtual histology during carotid artery stenting and lack of correlation with plaque embolization as measured by either clinical findings or the captured plaque observed on direct or flow-reversal filter  
  *I. Parrack*
- Covered stents in the management of carotid artery erosion from head and neck cancers  
  *M. Silva*
12:30 – 13:25

How guidewire technology can influence procedural outcome in different approaches
supported with an educational grant from Asahi Intecc
Moderator: J. van den Berg
Different guidewire construction  J. van den Berg
SFA lesions guidewire selection  K. Deloose
POP-BTK lesions guidewire selection  R. Ferraresi
POP-BTK lesions guidewire selection  D. Périard
Table discussion & closing remarks from moderator

14:00 – 15:00

Symposium: Are DCBs an effective treatment for SFA and BTK lesions?
supported with an educational grant from iVascular
Moderator: K. Deloose
Best DCB outcomes in SFA TASC A&B lesions – EFFPAC-RCT 12-month follow-up  U. Teichgräber
DCB in SFA complex lesions. 1+1=3 – TINTIN trial first outcomes  K. Deloose
State of the art of BTK vessel treatment  S. Sixt
DCB is also a real option for BTK arteries – BIBLIOS presentation  W. Lansink
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:30 – 12:00</td>
<td><strong>CLI-Therapies-LINCed</strong>&lt;br&gt;<strong>Multidisciplinary case studies from centres of excellence</strong>&lt;br&gt;<strong>Tailored strategies on revascularisation and wound management</strong>&lt;br&gt;<em>Moderator: S. Kum</em>&lt;br&gt;<em>Panel: Y. Gouëffic, Y. Soga, M. Manzi, R. Ferraresi</em>&lt;br&gt;<strong>Managing the infected wound</strong>&lt;br&gt;10:30 – 10:42  <strong>Case presentation</strong>: How do I combine wound care with revascularisation?  R. Ferraresi  10:42 – 10:45  Questions and answers  <strong>Multi-vessel or single vessel revascularisation</strong>&lt;br&gt;10:45 – 10:57  <strong>Case presentation</strong>: Why I chose multi vessel revascularisation  Y. Soga  10:57 – 11:00  Questions and answers  <strong>Simultaneous revascularisation and wound care</strong>&lt;br&gt;11:00 – 11:12  <strong>Case presentation</strong>: Revascularisation and wound care under a nerve block – How to do it  S. Kum  11:12 – 11:15  Questions and answers  <strong>Optimizing the “In-Flow” in CLI</strong>&lt;br&gt;11:15 – 11:27  <strong>Case presentation</strong>: The use of DES in CLI  Y. Gouëffic  11:27 – 11:30  Questions and answers  <strong>Solutions for poor “Outflow”</strong>&lt;br&gt;11:30 – 11:42  <strong>Case presentation</strong>: LimFlow procedure for no-option CLI  M. Schreve  11:42 – 11:45  Questions and answers  11:45 – 12:00  Panel round-up</td>
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### ROOM 5 – GLOBAL EXPERT EXCHANGE FORUM

**Tuesday, 22 January 2019 (cont.)**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>15:30 – 17:00</td>
<td><strong>CCT@LINC: Advanced endovascular therapy in Japan –</strong></td>
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<td><strong>Pre-recorded live cases</strong></td>
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<td><em>Moderators: G. Biamino, K. Urasawa</em></td>
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<td></td>
<td><em>Panel: M. Tan, T. Nakama, H. Ando</em></td>
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<tr>
<td>15:30 – 15:45</td>
<td>Video live and lecture: EVT for SFA in-stent reocclusion <strong>M. Tan</strong></td>
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<tr>
<td>15:45 – 16:00</td>
<td>Video live and lecture: Aggressive below-the-ankle revascularisation <strong>T. Nakama</strong></td>
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<tr>
<td>16:00 – 16:15</td>
<td>Video live and lecture: Techniques for severely calcified lesions <strong>H. Ando</strong></td>
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<tr>
<td>16:15 – 16:30</td>
<td>Video live and lecture: Optimization of POBA for DCB <strong>K. Urasawa</strong></td>
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<tr>
<td>16:30 – 17:00</td>
<td>Discussion and conclusion</td>
</tr>
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</table>
**Update on clinical trials and new data – PVD/BTK/CLI**  
*Moderator: J. Mustapha*  
*Panel: M. Menard, M. Montero-Baker*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 12:30 – 12:35 | Magnesium resorbable drug-eluting scaffold (Magmaris) for below the knee recanalisation: 12-month follow-up analysis  
*D. Périard* |
| 12:35 – 12:40 | Clinical effectiveness of the absorb bioresorbable vascular scaffold in patients with complex infrapopliteal arterial disease  
*A. Shah* |
| 12:40 – 12:45 | 24-month outcomes of patients presenting with critical limb ischemia within the BIOLUX P-III registry – a real-world clinical trial treating atherosclerotic arteries with a paclitaxel covered balloon  
*M. Brodmann* |
| 12:45 – 12:50 | Angioplasty and stenting vs. bypass graft surgery for the treatment of simultaneous femoropopliteal and infrapopliteal complex (TASC C or D) arterial disease in patients with critical limb ischemia  
*I. Casella* |
| 12:50 – 12:55 | Impact of endovascular pedal arch reconstruction on wound healing in patients with critical limb ischemia  
*Y.-G. Ko* |
| 12:55 – 13:30 | Discussion                                                               |
TUESDAY
13:30 – 15:00  Update on clinical trials and new data – PVD/SFA
   Moderator: I. Baumgartner
   Panel: W. Gray

13:30 – 13:35  Peripheral CTO crossing with the SoundBite™ active wire  M. Brodmann
13:35 – 13:40  Safety and feasibility of intravascular lithotripsy for treatment of common femoral artery stenoses  M. Brodmann
13:40 – 13:45  EffPac-Trial: Effectiveness of LUMINOR® DCB vs. POBA in the SFA: primary endpoint and 12-month results  U. Teichgräber
13:45 – 13:50  Diabetic patients in a real-world clinical trial treated for peripheral arterial disease with a paclitaxel covered balloon. 24-month results of the BIOLUX P-III All Comers registry  J. B. Dahm
13:50 – 13:55  BEnefit of arterial preparation by LONGLitudinal scoring before paclitaxel eluting balloon angioplasty of the superficial femoral and popliteal artery (The BELONG study): recruitment status and early results  D. Périard
13:55 – 14:00  Subgroup analyses of the CONSEQUENT randomized controlled trial investigating the clinical benefits of paclitaxel-resveratrol coated balloon angioplasty  T. Albrecht
14:00 – 14:05  Outcome of DEB and PTA post stenting in occluded vs. stenotic lesions – subgroup analysis of the randomized Freeway Stent study  S. Müller-Hülsbeck
14:05 – 14:10  Novel laser-based atherectomy catheter. Results from the Eximo Medical B-Laser™ IDE study  M. Brodmann
14:10 – 14:15  Bi-directional, self-expanding stent for superficial femoral artery lesions – 2-year interim-results from the Q3 registry  H. Krankenberg
14:15 – 14:20  A real world comparison of interwoven nitinol (Supera®) with drug-eluting stent (Zilver® PTX®) in patients with symptomatic femoro-popliteal stenosis  A. Haine
14:20 – 14:25  2-years results of a pilot prospective randomized study of the effect of dissection of the lamina vastoadductoria after stenting of the superficial femoral artery on the incidence of restenosis and stent fractures in TASC-II D lesions of the femoropopliteal arterial segment  A. Rabtsun
14:25 – 14:30  Results from the ENTRAP study: Lower extremity intervention using the Vanguard® IEP peripheral balloon angioplasty system with integrated embolic protection  T. Zeller
14:30 – 14:35  Two year mortality post DEB and plain balloon angioplasty: pooled primary data analysis of 4 RCTs  T. Albrecht
14:35 – 14:40  Discussion
Update on clinical trials and new data – PVD/carotid/venous/AV access/EVAR
Moderator: S. Duda
Panel: J.-P. de Vries, P. Huppert

15:00 – 15:05  PrOspective multiCentrE study of cArotid artery steNting using MER stent—the OCEANUS study – 30 days and one year follow-up  P. Odrowaz-Pieniazek
15:05 – 15:10  PARADIGM-EXTEND prospective academic trial of CGuard™ MicroNET-covered self-expandable stent system: Cumulative 3-year clinical and duplex ultrasound evidence for safety, efficacy, and durability of stroke prevention  P. Musialek
15:10 – 15:15  Double layer micromesh stents vs. closed cell stents for the endovascular treatment of carotid stenosis in the current era  P. Righini
15:15 – 15:20  Intermediate results of a prospective randomized study in carotid artery revascularisation: the Acculink™ stent vs. the mesh covered stent (CGuard™)  P. Ignatenko
15:20 – 15:25  Ad interim results from a prospective real-world multicentre clinical practice of CAS using the CGuard™ embolic prevention system: the IRONGUARD 2 study  W. Mansour
15:25 – 15:30  Significant contrast dose-reduction with digital variance angiography in carotid and cerebral X-ray angiography  V. I. Óriás
15:30 – 15:35  Comparative analysis of carotid artery stenting and carotid endarterectomy in clinical practice  A. Karpenko
15:35 – 15:40  Clinical evaluation on therapeutic efficacy of Angiojet Rheolytic thrombectomy in patients with acute pulmonary embolism  S. Zhai
15:40 – 15:45  Significant reduction in radiation using the 4 French instead of 6 French WavelinQ endoAVF system in creating endovascular AV-fistulas  T. Steinke
15:45 – 15:50  Fully absorbable patch based large hole vascular closure device  D. Branzan
15:55 – 16:00  Interim results from the PERFORMANCE I study – CAS using a 3-in-1 carotid artery stent system with an integrated embolic protection filter and post-dilation balloon  H. Sievert
16:00 – 16:30  Discussion
12:30 – 13:30    Selected abstracts original research – EVAR (part I)

Moderator: K. Donas
Panel: S. Seifert, T. Larzon

12:30 – 12:35  Open thoracic and thoraco-abdominal aortic repair after prior endovascular therapy  
D. Kotelis

12:35 – 12:40  The evolving management of ruptured abdominal aortic aneurysms:  
An Australasian experience  
C. Wang

12:40 – 12:45  Results of Chimney EVAR as used in the PERICLES registry to treat patients  
with suprarenal aortic pathologies  
G. Taneva

12:45 – 12:50  Prevention of Type II endoleak: role of EVAS technique in comparison  
to sac embolization technique in case of abdominal aortic aneurysm treatment  
P. Scrivere

12:50 – 12:55  Systematic multi-staged endovascular repair of thoracoabdominal aneurysms  
with fenestrated and branched endografts (STEAR study)  
D. Loschi

12:55 – 13:00  Screening Cardiovascular patients for Aortic aNeurysms (SCAN) –  
High prevalence of AAA in CHD requiring intervention  
B. Reutersberg

13:00 – 13:05  Hypogastric revascularisation during EVAR: surgical and endovascular techniques.  
Single centre experience  
I. Ficarelli

13:05 – 13:10  The subclavian artery access for difficult vascular interventions  
E. Alejandre Lafont

etiology, early diagnosis, and management  
A. Coelho

13:15 – 13:30  Discussion
13:30 – 15:00  Selected abstracts original research – EVAR (part II)

Moderator: G. Torsello
Panel: S. Botsios

13:30 – 13:35  Aortic dilatation following Type B aortic dissection: a single-center retrospective study  H. F. Wong

13:35 – 13:40  Endovascular therapy for ischemic vs. non-ischemic complicated acute Type B aortic dissection (cATBAD)  A. Eleshra

13:40 – 13:45  New off-the-shelf FEVAR technique  B. Huasen


13:55 – 14:00  Subclavian Artery Plug Embolization (SAPE study): a real experience about endovascular subclavian occlusion prior to thoracic vascular repair  S. Salvati

14:00 – 14:05  Totally percutaneous access for thoracic and thoracoabdominal endovascular aortic repair: upper extremity access  A. Melloni

14:05 – 14:10  Low risk of spinal cord ischemia after endovascular repair for juxtarenal and thoracoabdominal aortic aneurysms using parallel stent graft implantation  R. Kopp

14:10 – 14:15  The Colt device – How cooperation with industry influenced the treatment of complex TAAAs  P. Szopiński


14:20 – 14:25  TEVAR performed in 106 year old female; advantage of low profile Zenith Alpha thoracic endovascular graft  N. Fujimura

14:25 – 15:00  Discussion
**ROOM 1 – MAIN ARENA 1**

**08:00 – 09:30** Optimizing the treatment of BTK vessels in critical limb ischemia: Focus on new trials, drug-eluting technologies, and new implants  
*Moderators: D. Scheinert, J. Mustapha*  
*Panel: M. Bosiers, P. Schneider, E. Armstrong, F. Vermassen, R. Varcoe, F. Liistro*

- **08:00 – 08:05** Update on the BEST-trial: How will it change our practice  
  *M. Menard*

- **08:05 – 08:10** Endovascular treatment vs. bypass surgery in CLI patients with chronic kidney disease  
  *T. Bisdas*

- **08:10 – 08:15** First time data release: In depth look at Lutonix safety events with difficult lesion 6 month BTK IDE Update  
  *J. Mustapha*

- **08:15 – 08:20** First time data release: Interim 24-month results from the global LUTONIX® 014 DCB real world BTK registry  
  *M. Lichtenberg*

- **08:20 – 08:25** First time data release: Paclitaxel-coated balloon in below-the-knee lesions: 6-month results from the Ranger BTK single center study  
  *C. del Giudice*

- **08:25 – 08:30** First time data release: Initial experience with the temporary spur stent system: DEEPER trial first-in-man results  
  *J. Mustapha*

- **08:30 – 08:35** New DCB era for BTK: 6-month results from the China AcoArt II study  
  *W. Guo*

- **08:35 – 08:40** Drug-coated balloons in BTK: Where do we stand and what are the open questions?  
  *M. Bosiers*

- **08:40 – 08:45** Alternative methods of drug delivery in BTK vessels – Initial insights from the TANGO trial  
  *E. Armstrong*

- **08:45 – 09:05** Live case transmission from Leipzig

- **09:05 – 09:10** How to reduce dissections in BTK: Techniques & devices  
  *J. van den Berg*

- **09:10 – 09:15** Size matters: experimental study on the effect of oversizing during tibial PTA  
  *O. Bakker*

- **09:15 – 09:20** Initial experience with a new 3F compatible microstent for BTK revascularisation  
  *R. Beasley*

- **09:20 – 09:25** The demise of the absorb BVS. Why it failed, what we learned from the coronary experience, and is there is a future for bioresorbable scaffolds below-the-knee?  
  *R. Varcoe*

- **09:25 – 09:30** Discussion and conclusion

**09:00 – 11:00** Symposium: Data supported solutions for peripheral arterial disease intervention supported with an educational grant from Boston Scientific  
*Moderators: D. Scheinert, Y. Gouëffic*  
*Panel: K. Katsanos, C. del Giudice, S. Müller-Hülsbeck*

- **09:30 – 09:32** Introduction and learning objectives  
  *Y. Gouëffic*

- **09:32 – 09:47** Benchmarking Ranger drug-coated balloon data in SFA treatment  
  *D. Scheinert*

- **09:47 – 10:02** Downstaging complexity for a DCB strategy in claudicants  
  *K. Katsanos*

- **10:02 – 10:05** Live case transmission from Leipzig

- **10:07 – 10:27** Gauging performance in below-the-knee intervention  
  *C. del Giudice*

- **10:27 – 10:42** Raising the bar with Eluvia drug-eluting stent data  
  *S. Müller-Hülsbeck*

- **10:42 – 10:57** Close and take aways
Optimizing the treatment of BTK vessels in critical limb ischemia:
Focus on imaging, revascularisation strategies, atherectomy, and assessment of results

Moderators: P. Schneider, R. Ferraresi
Panel: J. Reekers, M. Montero-Baker, G. Adams, Y. Soga, M. Manzi

11:00 – 11:05 Critical limb ischemia: Have we made improvement in classifying these patients in a better way?  M. Brodmann
11:05 – 11:11 Tips and tricks to optimize preinterventional imaging with CO2 angiography and no-contrast MR angiography  J. van den Berg
11:11 – 11:17 Wound and surgery-guided revascularisation & flow-guided surgery: the multidisciplinary approach to limb salvage  R. Ferraresi
11:17 – 11:23 When is below-the-ankle angioplasty indicated and how to introduce it into your practice?  P. Schneider
11:23 – 11:43 Live case transmission from Münster
11:48 – 11:54 The role of orbital atherectomy for optimization of BTK revascularisation results  P. Schneider
11:54 – 12:00 Versatility of directional atherectomy: Clinical use below-the-knee  R. Sachar
12:00 – 12:06 Assessing foot perfusion after BTK revascularisation: Role of perfusion angiography and upcoming techniques  M. Montero-Baker
12:06 – 12:11 Perfusion imaging of the foot in CLI-patients: prognostic value of pharmacological interventions  P. Huppert
12:11 – 12:16 Is non-functional microcirculation the same as flow-independent ischemia?  J. Reekers
12:16 – 12:30 Discussion and conclusion

Focus session: Pioneering approaches for “no-option” patients
Partially supported with an educational grant from LimFlow

Live case transmission from Leipzig:
Percutaneous deep venous arterialization for end stage CLI
Moderators: J. Mustapha, M. Brodmann
Panel: R. Ferraresi, P. Schneider, E. Armstrong

Flash presentations:
No option CLI — A rising epidemic and an overview of solutions  M. Manzi
Surgical and hybrid venous arteriolisation - How to perform it and what are the limitations  R. Ferraresi
Update on the PROMISE I early feasibility study in the US and global experience  J. Mustapha
Rationale and design of a pivotal study for an autologous blood filter device for treatment of critical limb ischemia  B. Modarai
ROOM 1 – MAIN ARENA 1

13:30 – 15:00 Symposium: Lutonix® DCB – The next clinically proven frontier for SFA, BTK, and AV treatment algorithms
supported with an educational grant from C. R. BARD
Moderator: D. Scheinert
Panel: K. Deloose, Y. Soga, P. Geraghty, A. Finn, S. Trerotola
13:30 – 13:40 Global CTO analyses of all Lutonix DCB SFA combined trials
K. Deloose
13:40 – 13:50 A closer look at the benefit of LTX DCB in diabetic patient in Japan
Y. Soga
13:50 – 14:00 Comparison of overall LTX BTK IDE 6-month outcomes to global registry
P. Geraghty
14:00 – 14:10 Comparative studies of downstream events with drug coated balloon
A. Finn
14:10 – 14:20 Sub-group analysis from LTX AV randomised trial
S. Trerotola
14:20 – 14:30 Sub-group analysis from LTX AV randomised trial
S. Trerotola
14:30 – 14:55 Live case transmission from Leipzig
14:55 – 15:00 Discussion and conclusion

15:00 – 16:30 VIVA@LINC:
Carotid revascularisation redux: A whole new horizon?
Moderators: P. Schneider, C. Metzger
Panel: S. Lyden, W. Gray, J. Laird, E. Armstrong
15:00 – 15:05 Announcement of the winners of the Vascular Career Award 2018
15:05 – 15:30 Live case transmission from Columbus
15:30 – 15:38 Transcervical carotid stenting (TCAR) is a game changer and a re-boot for CAS
P. Schneider
15:38 – 15:46 Cognitive decline with untreated carotid lesions: fact or fiction?
J. Laird
15:46 – 15:54 Timing of carotid bifurcation repair after symptoms:
how does it affect stroke risk?
C. Metzger
15:54 – 16:22 Live case transmission from Columbus
16:22 – 16:30 Will mesh covered stents help reduce the risk of stroke?
W. Gray
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<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>16:30 – 16:36</td>
<td><strong>First time data release:</strong> Intravascular ultrasound supported endovascular therapy in superficial femoral artery disease: 12-month results from the IVORY-study</td>
<td>O. Iida</td>
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<tr>
<td>16:36 – 16:42</td>
<td>Insights from Global Zilver PTX experience: What are the predictors for clinical failure and TLR?</td>
<td>M. Dake</td>
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<td>16:42 – 16:48</td>
<td>CTO vs. non-CTO lesions: What are the lessons learned from the Real-PTX trial and the concept of the BEST-SFA trial?</td>
<td>S. Steiner</td>
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<td>16:48 – 17:13</td>
<td>Live case transmission from Leipzig</td>
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<td>17:13 – 17:19</td>
<td>Complex case review: Versatility of the GORE® VIABAHN® endoprosthesis in the treatment of challenging peripheral disease</td>
<td>J. F. Noya</td>
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<td>17:19 – 17:25</td>
<td>Combination therapy tackling ISR: laser + DCB 2-year results</td>
<td>E. Armstrong</td>
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<td>17:25 – 17:31</td>
<td>Advancing laser therapy: different settings for different lesions</td>
<td>G. Adams</td>
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<td>17:31 – 17:56</td>
<td>Live case transmission from Columbus</td>
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<tr>
<td>17:56 – 18:00</td>
<td>Discussion and conclusion</td>
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**The remaining challenges: Long CTO lesions and in-stent restenosis**
Moderators: S. Lyden, R. Varcoe
Panel: M. Dake, J. F. Noya, S. Steiner, D.-D. Do
ROOM 2 – MAIN ARENA 2

08:00 – 09:15  Complex iliac artery aneurysms – current techniques for endovascular repair
Moderators: G. Torsello, J. Brunkwall
Panel: S. Botsios, F. Verzini, O. Richter

08:00 – 08:06  Results of the multicenter pELVIS registry for isolated common iliac aneurysms treated by the iliac branch device  G. Pratesi
08:06 – 08:12  Bilateral use of the Gore IBE device for bilateral CIA aneurysms and a first interim analysis of the prospective Iceberg registry  M. Reijnen
08:12 – 08:18  Long-term outcomes of the COOK IBD for iliac artery aneurysms  G. F. Torsello
08:18 – 08:46  Live case transmission from Münster
08:46 – 08:52  Iliac branch device GoWell: a prospective, multiple centers research results from China  W. Guo
08:52 – 08:58  Sandwich technique for treating AAAs involving the common Iliac bifurcations: Experience with 151 hypogastric revascularisations: Lessons learned  J. Brunkwall
08:58 – 09:04  Overtaking technical and anatomical challenges of preservation in the treatment of iliac aneurysmal disease  G. Pratesi
09:04 – 09:10  Bilateral iliac aneurysm: what to preserve?  J. M. Heyligers
09:10 – 09:15  Discussion and conclusion

09:15 – 11:00  Innovations for daily practice: Advanced settings for hybrid ORs and new technologies for “standard” infrarenal aortic aneurysm repair
Moderators: F. Moll, M. van Sambeek

09:15 – 09:21  Workflow innovation in the hybrid OR space  H. Wendorff
09:21 – 09:27  Sterility in the hybrid OR – A crucial hygiene factor  R. Traversari
09:27 – 09:33  Rationale for IVUS guided endovascular aortic repair  J. Teßarek
09:33 – 09:39  First time data release: Innovation in 3D navigation: results from the FORS – Fibre Optic RealShape first in-human study  J. van Herwaarden
09:39 – 09:45  Occupational radiation hazards during EVAR  F. Moll

Focus on current data and new technologies for “standard EVAR”

09:45 – 09:50  Women experience clinically comparable long-term outcomes to men when treated with the Endurant endograft: a 5-year evaluation of 133 female patients from the ENGAGE registry  G. Pratesi

09:50 – 10:10  Live case transmission from Leipzig
09:10 – 10:15  Does ovation offer a long-term durable solution for female AAA patients? Results from ENCORE gender sub-analysis  S. Lyden
10:15 – 10:20  Results in EVAR, FEVAR, and BEVAR: are differences between men and women still present?  E. Verhoeven
10:20 – 10:25  Early experience with Ankura AAA stent graft system  J. Albuquerque e Castro
10:33 – 10:38  Single-centre experience with the Gore C3 Excluder stent-graft in 300 consecutive patients  E. Verhoeven
10:38 – 10:43  Might EVAS be associated with a difference in mortality compared to EVAR?  M. Reijnen
10:43 – 10:48  Contemporary EVAR evidence demonstrated clear improvement in long-term outcomes compared to EVAR-1: Insights from the ENGAGE global registry  D. Böckler
10:48 – 10:53  Final results of the RATIONALE registry with the Treovance stent-graft  V. Riambau
10:53 – 11:00  Discussion and conclusion
11:00 – 12:30  Challenges in the treatment of infrarenal aneurysms – considerations for a durable repair
supported with an educational grant from COOK Medical
Moderator: E. Verhoeven
Panel: N. Mosquera, F. Verzini
11:00 – 11:05  Introduction  E. Verhoeven
11:05 – 11:13  Challenges in the treatment of infrarenal aneurysm – considerations for a durable repair  N. Mosquera
11:13 – 11:38  Live case transmission from Leipzig
11:38 – 11:46  Keypoints when treating short necks  F. Verzini
11:46 – 12:30  Discussion and conclusion

13:30 – 15:00  Symposium: GORE® VIABAHN® VBX Balloon Expandable Endoprosthesis: bridge the gaps for aortic complex disease
supported with an educational grant from Gore & Associates
Moderator: D. Böckler
Panel: G. Torsello, J. F. Noya, M. Gargiulo
13:30 – 13:35  Introduction by the moderator
13:35 – 13:50  Advantages of the GORE® VIABAHN® VBX Balloon Expandable Endoprosthesis: technical and clinical value in treating aortic disease  G. Torsello
13:50 – 14:05  Performance of bridging stents for fenestrated endovascular repair  M. Gargiulo
14:05 – 14:20  Recorded case presentation  J. F. Noya
14:20 – 14:35  1-year data  G. Torsello
14:35 – 14:50  Live case transmission from Münster
14:50 – 15:00  Discussion and conclusion by moderator

15:00 – 16:30  CX@LINC: Endovascular aortic controversies
Moderator: R. Greenhalgh
Panel: D. Böckler, T. Kölbel
Improving EVAR results
15:00 – 15:10  Reduced radiation and choice of imaging modality for endoleak detection and correction  D. Böckler
15:10 – 15:20  New analyses for NICE aortic guidelines  R. Greenhalgh
15:20 – 15:30  Most EVAR procedures should be done under local anaesthetic  D. Böckler
15:30 – 15:45  Audience participation and discussion
Avoiding Stroke from Thoracic Endovascular Procedures (STEP)
15:45 – 15:55  Stroke from Thoracic Endovascular Procedures (STEP study) findings  T. Kölbel
15:55 – 16:00  Audience participation and discussion
16:00 – 16:10  Pre-procedure screening to minimise stroke from endovascular arch repair  M. Dake
16:10 – 16:15  Audience participation and discussion
16:15 – 16:25  Edited live: Ascending and arch of aorta techniques to reduce stroke risk  T. Kölbel
16:25 – 16:30  Audience participation and discussion
ROOM 2 – MAIN ARENA 2

Wednesday, 23 January 2019 (cont.)

16:30 – 18:00 Advanced solutions for juxtarenal aneurysms and challenging neck anatomy

Moderators: M. van Sambeek, G. Torsello
Panel: T. Larzon, G. Pratesi, D. Branzan, J. Brunkwall

16:30 – 16:36 The use of EVAR to treat extreme hostile anatomies; Insights from the EAGLE registry
M. van Sambeek

16:36 – 16:42 Experience with Treovance in highly angulated necks
D. Murray

16:42 – 16:48 EVAR in severely angulated neck: an option with good longterm outcome
B. Kritpracha

16:48 – 17:13 Live case transmission from Münster

16:48 – 17:13 Early experience from the ENCHANT post-market registry on chEVAR with Endurant
G. Torsello

17:13 – 17:19 Pararenal AAA: Why FEVAR must be better than CHEVAR in most cases
E. Verhoeven

17:19 – 17:25 Update on the fenestrated Anaconda endograft for F/EVAR: worldwide experience from the global FACT registry
C. Zeebregts

17:25 – 17:31 Early experience with Excluder conformable in a broad range of anatomies
J. Heckenkamp

17:31 – 17:37 Mid-term results from ANCHOR: How does this data influence the treatment algorithm for hostile EVAR anatomies
J.-P. de Vries

17:37 – 17:43 Complementary therapy for juxtarenal AAAs (<10 mm to 4 mm neck length): clinical results and technical insights using the Endurant + Heli-FX short neck indication
G. Pratesi

17:43 – 17:49 Discussion and conclusion
### Wednesday, 23 January 2019

#### ROOM 2 – MAIN ARENA 2

**08:00 – 09:30**

**Focus session: Interventional oncology and embolisation therapies – Liver (part I)**  
*Moderators: U. Teichgräber, M. Moche*  
*Panel: T. J. Vogl, M. Pech, W. Wohlgemuth*

- 08:00 – 08:08  
  Irreversible electroporation – current role in percutaneous tumor ablation  
  *P. Wiggermann*

- 08:08 – 08:33  
  **Live case transmission from Frankfurt**

- 08:33 – 08:41  
  Clinical evidence of radioembolisation in HCC  
  *M. Pech*

- 08:41 – 08:49  
  Transarterial chemoembolisation: C-TACE vs. DEB TACE vs. DSM TACE  
  *T. J. Vogl*

- 08:49 – 09:14  
  **Live case transmission from Jena**

- 09:14 – 09:22  
  SIRCCA trial: Radioembolisation as first line therapy in patients with inoperable intrahepatic cholangiocarcinoma  
  *T. Petersen*

- 09:22 – 09:30  
  Holmium-166 radioembolisation: do we really need that?  
  *R.-T. Hoffmann*

#### ROOM 3 – TECHNICAL FORUM

**08:00 – 09:30**

**Focus session: Interventional oncology and embolisation therapies – Liver (part I)**  
*Moderators: U. Teichgräber, M. Moche*  
*Panel: T. J. Vogl, M. Pech, W. Wohlgemuth*

- 08:08 – 08:33  
  **Live case transmission from Frankfurt**

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  *T. J. Vogl*

- 08:49 – 09:14  
  **Live case transmission from Jena**

- 09:14 – 09:22  
  SIRCCA trial: Radioembolisation as first line therapy in patients with inoperable intrahepatic cholangiocarcinoma  
  *T. Petersen*

- 09:22 – 09:30  
  Holmium-166 radioembolisation: do we really need that?  
  *R.-T. Hoffmann*

#### 09:30 – 10:15

**Stop bleeding!**  
**Tips and tricks for interventional management of bleeding complications**  
*Moderators: J. Balzer, R. Lookstein*  
*Panel: B. Radeleff, B. Reimers*

- 09:30 – 09:38  
  Intervventional therapies in patients under anticoagulation – risk-related management  
  *B. Maiwald*

- 09:38 – 09:46  
  Emergency coiling procedures for acute bleeding – tips and tricks  
  *B. Radeleff*

- 09:46 – 09:54  
  Interventional treatment options for bleeding of oesophageal varices  
  *A. Koops*

- 09:54 – 10:02  
  Access complications during TAVI – How to treat and how to prevent  
  *B. Reimers*

- 10:02 – 10:15  
  Discussion and conclusion

#### 10:15 – 11:00

**Symposium: Pelvic venous disorders: Iliofemoral obstruction and pelvic venous insufficiency case presentations**  
sponsored by Medtronic  
*Moderator: S. Black*  
*Panel: V. Vidal*

- 10:15 – 10:30  
  PTS and Acute DVT case with Abre Venous Stent System  
  *H. Jalaiae*

- 10:30 – 10:40  
  NIVL case with Abre Venous Stent System  
  *S. Black*

- 10:40 – 10:50  
  Pelvic venous reflux: Embolisation with the Onyx® Liquid Embolic system  
  *V. Vidal*

- 10:50 – 11:00  
  Questions and answers

#### 11:00 – 12:30

**Focus session: Interventional oncology and embolisation therapies – Liver (part II)**  
*Moderators: T. Vogl, M. Pech*  
*Panel: R.-T. Hoffmann, U. Teichgräber, M. Moche*

- 11:08 – 11:33  
  **Live case transmission from Jena**

- 11:33 – 11:41  
  Portal vein aborisation after TIPSS implantation  
  *U. Teichgräber*

- 11:41 – 11:49  
  Thermoablation – where do we stand?  
  *T. Vogl*

- 11:49 – 12:14  
  **Live case transmission from Frankfurt**

- 12:14 – 12:22  
  **Recorded case presentation: Technical aspects of portal venous embolisation**  
  *R. Aschenbach*

- 12:22 – 12:30  
  OPTIMIS: a global observational study to assess the use of Sorafenib after TACE in patients with hepatocellular carcinoma (HCC)  
  *M. Peck-Raosavjevic*
13:30 – 15:00  
**VIVA@LINC: Deep dive into acute lower extremity ischemia: are we making progress?**  
*with Gary Ansel live from Columbus*

**Moderators:** S. Lyden, P. Schneider  
**Panel:** O. Iida, S. Steiner, J. Laird, E. Armstrong  

**Flash presentations:**  
- My algorithm for managing acute lower extremity ischemia  
  *P. Schneider*  
- Insights into the pathophysiology of thrombus: Why is clot removal so difficult?  
  *O. Iida*  
- When is open surgery or a hybrid approach indicated for acute limb ischemia and when to do fasciotomy?  
  *S. Lyden*  
- The impact of new devices and strategies on how we perform arterial thrombectomy  
  *S. Steiner*

15:00 – 16:30  
**Focus session: Interventional radiology – embolisation therapy**  

**Moderators:** U. Teichgräber, T. J. Vogl  
**Panel:** W. Wohlgemuth, A. Rampoldi, V. Vidal

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Case Site</th>
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<tbody>
<tr>
<td>15:00</td>
<td>Medium and longterm outcome of prostate artery embolisation for patients with benign prostatic hyperplasia</td>
<td>A. Rampoldi</td>
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<tr>
<td>15:08</td>
<td><strong>Live case transmission from Jena</strong></td>
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<tr>
<td>15:29</td>
<td>Uterine artery embolisation (UAE) vs. laparoscopy vs. HIFU</td>
<td>T. J. Vogl</td>
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<td>15:37</td>
<td>5-year results of prostate artery embolisation from Jena University Hospital</td>
<td>T. Franiel via satellite from Jena</td>
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<td>15:45</td>
<td>Endovascular therapy of arterio-venous malformations: how to treat lesions with different angioanatomy</td>
<td>W. Wohlgemuth</td>
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<td>15:53</td>
<td><strong>Live case transmission from Frankfurt</strong></td>
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<tr>
<td>16:14</td>
<td>Interventional treatment of visceral artery and pseudoaneurysm</td>
<td>A. Malouhi</td>
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<tr>
<td>16:22</td>
<td>Emborrhoid: A new concept for the treatment of hemorrhoids with arterial embolization</td>
<td>V. Vidal</td>
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</table>
16:30 – 18:00 Miscellaneou topics: Renal, visceral interventions, and beyond
Moderators: W. Gray, T. J. Vogl
Panel: P. Lurz, R. Lookstein, M. Thieme

16:30 – 16:37 Renal denervation: Is the concept still alive? P. Lurz

16:37 – 16:44 Fibromuscular dysplasia in renal arteries A. Dwivedi

16:44 – 16:51 Acute and chronic mesenteric ischaemia – Incidence, clinical presentation, and treatment options M. Thieme

16:51 – 17:15 Live case transmission from Jena

17:15 – 17:22 TIPSS – current and future applications T. J. Vogl

17:22 – 17:29 Endovascular techniques for visceral artery aneurysm treatment S. Müller-Hülsbeck

17:29 – 17:53 Live case transmission from Frankfurt

17:53 – 18:00 Left gastric artery embolization for obesity management – Current experiences and techniques R. Beasley
09:30 – 10:30 SITE@LINC: Aortic disaster cases: what can we learn from the expert’s nightmares?
Moderators: V. Riambau, D. Böckler
Discussants: J. Brunkwall, J.-P. de Vries, E. Ducasse, T. Kölbel
Objective: To share bad and unexpected experiences and how to deal with them. Big names can also be in trouble.
• Case presentations and interactive discussion

11:00 – 12:00 VIVA@LINC: Strategies on the frontline
The year in review: Triumph or tragedy – my most surprising case of the past year and how it changed my approach
Moderator: S. Lyden
Discussants: C. Metzger, J. Laird, O. Iida

Aortic  S. Lyden
Carotid  C. Metzger
Femoral-popliteal  J. Laird
Tibial-pedal  O. Iida

This is a case-based session focusing on what we like best ... real cases with challenges that make the experts sweat. This may result in a great save or a terrible complication but these are often the cases from which we learn the most. In this amphitheater setting, audience participation is encouraged and step-by-step case management is featured and discussed.

12:35 – 13:20 Lunch symposium: Lowest wash-off and crystal clear coating: advanced strategies for DCB safety
supported with an educational grant from Cardionovum
Moderators: M. Lichtenberg, C. Vaquero-Puerta
Discussants: C. Hammond, K. Deloose, E. Stabile

12:35 – 12:42 SAFE PAX: The patient safety PTX coating technology  M. Lichtenberg
12:42 – 12:52 Long-term effect of the Paclitaxel releasing peripheral balloon dilatation catheter (APERTO OTW®) for arteriovenous fistulae stenosis: the evidence to date  C. Hammond
12:52 – 13:02 Modern revascularisation strategy for long SFA lesions:
The REFLOW outcomes  K. Deloose
13:02 – 13:12 Learning from the producers: The LEGDEB experiences and 2-year outcomes  E. Stabile
13:12 – 13:20 Conclusions and take home message  E. Stabile
**Discussion forum on diabetic foot clinic and the multidisciplinary approach**
supported with an educational grant from Abbott Vascular  
*Moderator: B. DeRubertis*
*Discussants: R. Ferraresi, T. Zeller, G. Clerici*

Case example presentations: Benefit of establishing multidisciplinary diabetic foot clinics
Set-up: Discussion on best practices and pitfalls within diabetic foot care
Patient flow: Understanding patient pathways within multidisciplinary care units
Treatment algorithm: Dos and don’ts

**CICE@LINC: Parallel grafts in the real world**
*Moderator: J. Brunkwall*
*Discussants: M. Lachat, J. G. Diniz, R. Kolvenbach, K. Donas*

How to prevent gutter endoleaks with arch chimney grafts  
*J. Brunkwall*
Parallel grafts work well to treat aortic lesions involving the visceral segment and the arch: The mid- and long-term results demonstrate durability although re-interventions may be required  
*M. Lachat*

Three or four chimneys: Is it too much?  
*J. G. Diniz*

How Onyx can eliminate gutter endoleaks after parallel grafts used in AAA repairs: When to fix and technical tips  
*R. Kolvenbach*

New findings from the PERICLES registry shed light on ways to improve outcomes of parallel grafts to treat complex aneurysms  
*K. Donas*

Sandwich technique for treating complex aortoiliac aneurysms: Experience with 151 hypogastric revascularisations: lessons learned  
*J. Brunkwall*
ROOM 5 – GLOBAL EXPERT EXCHANGE FORUM

08:00 – 09:45  Lower limb interventions (part I)
Focus on latest information on drug-coated balloons
Moderators: W. Gray, K. Deloose
Panel: J. Granada, A. Finn, E. Stabile

08:00 – 08:25
Live case transmission from Leipzig
08:25 – 08:30
Pre-clinical and histology findings from different DCBs  R. Coscas
08:30 – 08:35
First time data release:
A mechanistic look at 0.018 DCBs: Considerations for efficacy and durability of response  J. Granada

08:35 – 08:40
How DCB drug dose effects vessel healing  A. Finn
08:40 – 08:45
1-year outcome of the KANSHAS 1 study of the novel KANSHAS drug-coated balloon for treatment of femoropopliteal occlusive disease: the first-in-human study  M. Lichtenberg

08:45 – 08:50
Total IN.PACT™ 1-year results: Clinical outcomes from All-Comers  M. Brodmann
08:50 – 08:55
Total IN.PACT™ 1-year results: Imaging and propensity analysis  J. Laird
08:55 – 09:00
6-month SFA results from Levant Japan PMS  H. Yokoi
09:00 – 09:05
Outcomes of DCB use in real world patients: 3-year clinical outcomes from the IN.PACT™ global study  K. Deloose

09:05 – 09:10
Ranger DCB SFA registry: 24-month full cohort analysis  M. Lichtenberg
09:10 – 09:15
Long term results from the LegDeb registry  E. Stabile
09:15 – 09:20
Cost economic evidence: what do DCB deserve? The US case example  G. Adams

09:20 – 09:25
Adverse effects of Paclitaxel on arterial pathology: Are we using the right drug on our DCBs?  U. Beschorner
09:25 – 09:30
12-month data from the EFFPAC randomized clinical trial  M. Thieme
09:30 – 09:45
Discussion and conclusion

09:45 – 10:45  JET@LINC
Moderators: G. Biamino, K. Urasawa, H. Yokoi
Panel: M. Tan, T. Nakama, M. Fujihara, D. Kawasaki, O. Iida

09:45 – 09:50
Introduction
09:50 – 09:58
A review of revascularisation techniques for femoropopliteal occlusions in Japan  M. Tan
09:58 – 10:06
The efficacy of pedal artery revascularisation; the final frontier of lower limbs intervention  T. Nakama

10:06 – 10:14
The reconsideration of evaluation for complex SFA disease by the multidisciplinary modalities  M. Fujihara

10:14 – 10:22
IVUS guided intraluminal wiring for peripheral CTO lesion  D. Kawasaki
10:22 – 10:30
Overview of CLI treatment evidence vs. experience  O. Iida
10:30 – 10:45
Discussion and conclusion
**Deep dive session: Lower limb interventions (part II)**
Focus optimization of DCB-results in complex lesions, critical limb ischemia, and new implants

*Moderators: I. Baumgartner, N. Shammas*
*Panel: S. Duda, M. Bosiers*

10:45 – 10:50  IN.PACT™ DCB outcomes in CLI patients  
J. Cuenca

10:50 – 10:55  Long-term durability and safety of DCB treatment in the SFA: Final 5-year clinical outcomes from the IN.PACT™ SFA trial  
J. Laird

10:55 – 11:00  Changing paradigm: The role of DCB in Japanese clinical practice  
Y. Soga

11:00 – 11:20  Live case transmission from Leipzig

11:20 – 11:25  Dissections matter: Evidence for post PTA dissections  
E. Armstrong

11:25 – 11:30  Dissection identification and classification using IVUS  
N. Shammas

11:30 – 11:35  Tack endovascular system – how I will use the Tack Endovascular System® in the real world  
M. Lichtenberg

11:35 – 11:40  Impact of “Super Slow Inflation” as a lesion preparation in the DCB era  
M. Sugihara

11:40 – 11:45  BIOSLUX 4 EVER: Combining Passeo-18 Lux DCB and Pulsar-18 BMS – 24-month results of full cohort  
K. Deloose

11:45 – 11:50  Results from the 100 patients of the prospective TIGRIS Vienna study – update  
M. Werner

11:50 – 11:55  The EVOLUTION study: a physician-initiated study investigating the iVolution stent in femoropopliteal lesions (final 24-month results)  
M. Bosiers

11:55 – 12:00  BATTLE trial: RCT comparing BMS (Misago) vs. DES (Zilver PTX) for SFA intermediate lesions  
Y. Gouëffic

12:00 – 12:05  Insights from the IMPERIAL trial  
S. Müller-Hülsbeck

12:05 – 12:10  The usefulness of Zilver PTX for the treatment of in-stent restenosis of the superficial femoral artery  
T. Shibata

12:10 – 12:15  Outcomes of Paclitaxel coated technology in treating patients with Rutherford 5 and 6 peripheral arterial disease  
S. Shariff

12:15 – 12:20  Economic evaluation of IN.PACT™ Admiral drug-coated balloon (DCB) for treatment of CLI lesions of the SFA, in the Dutch healthcare system  
M. Reijnen

12:20 – 12:30  Discussion and conclusion

12:30 – 13:30  Lunch symposium: It’s time to unwind!

**Accelerating thrombus dissolution with EKOS™ acoustic pulse thrombolysis in everyday clinical practice**
supported with an educational grant from BTG

*Moderator: N. Kucher*
*Panel: H. Jalaie, M. Dumantepe*

12:30 – 12:35  Introduction

12:35 – 12:50  Risk stratification of acute PE: Selection of patients for catheter intervention  
N. Kucher

12:50 – 13:05  5-year follow up for acute DVT patients treated with EKOS™: experience from Aachen University Hospital  
H. Jalaie

13:05 – 13:20  Treatment of chronic DVT with EKOS: reproducing ACCESS PTS data in every day clinical practice  
M. Dumantepe

13:20 – 13:30  Discussion and conclusion
ROOM 5 – GLOBAL EXPERT EXCHANGE FORUM

Wednesday, 23 January 2019 (cont.)

13:30 – 14:30  
**CCT@LINC – Various techniques to recanalise CTO**  
*Moderators: R. Langhoff, H. Ando*  
*Panel: M. Tan, T. Nakama, K. Urasawa*  
13:30 – 13:43  
Video live and lecture: Gachon technique for non-removable thrombus  
*M. Tan*  
13:43 – 13:56  
Video live and lecture: Various distal puncture techniques  
*T. Nakama*  
13:56 – 14:09  
Video live and lecture: Trans-collateral wiring  
*K. Urasawa*  
14:09 – 14:22  
Video live and lecture: Needle clucking technique  
*H. Ando*  
14:22 – 14:30  
Discussion and conclusion

14:30 – 15:50  
**Deep dive session: Endovenous therapies (part I)**  
*Moderators: N. Kucher, G. O’Sullivan*  
*Panel: R. Lookstein, R. De Graaf, R. Bauersachs*  
**Focus on acute DVT**  
14:30 – 14:37  
Evidence on mechanical thrombectomy for iliofemoral DVT: Latest trial update  
*M. Lichtenberg*  
14:37 – 14:44  
Single center registry for the treatment of acute deep venous thrombosis by Angiojet  
*Y. Gouëffic*  
14:44 – 14:51  
1-year outcomes of the Indigo thrombectomy catheter for deep vein thrombosis  
*T. Bisdas*  
14:51 – 14:58  
Catheter-directed thrombolysis vs. mechanical thrombectomy in Ilio femoral DVT. Why I choose one over the other  
*G. O’Sullivan*  
**Focus on chronic DVT, deep vein recanalisation, and stenting**  
14:58 – 15:05  
Venous stenting: May Thurners, a patient story  
*O. Schlager*  
15:05 – 15:12  
**LINC status update: The role of venous stenting in the absence of clear scientific data**  
*Medical therapy is usually enough*  
*R. Bauersachs*  
15:12 – 15:19  
No, I see the quality and necessity for stenting  
*R. Lookstein*  
15:19 – 15:26  
New strategy for endovascular treatment of the obstructed common femoral vein  
*N. Kucher*  
15:26 – 15:33  
The VIDIO trial: diagnostic and clinical implications on the use of IVUS for deep venous treatment  
*P. Gagne*  
15:33 – 15:40  
How common is iliac vein rupture during venous reconstruction and what to do  
*G. O’Sullivan*  
15:40 – 15:50  
Discussion and conclusion
Deep dive session: Endovenous therapies (part II)
Moderator: T. Hirsch
Panel: M. Reijnen, M. Ulrich, K. Brachmann
Focus on superficial femoral disease

15:50 – 15:57  LINC to phlebology – what’s new in endovenous varicose vein treatment?
A. Lukhaup

15:57 – 16:04  Long-term experience with the Clarivein technology  M. Reijnen

16:04 – 16:11  Advantages and pitfalls of endovenous glue for varicose vein treatment  T. Hirsch

16:11 – 16:18  Venous ulcer care – What we know and what we don’t  K. Mühlberg

16:18 – 16:25  Foam – short track to ulcer healing  T. Hirsch

16:25 – 16:32  The new Sclero Safe Endovenous device for varicose vein treatment  R. Kolvenbach

16:32 – 16:50  Discussion and conclusion
**ROOM 6 – SPEAKERS’ CORNER**

**09:00 – 11:00**

**Selected abstracts challenging cases – venous/AV**  
*Moderator: R. de Graaf*  
*Panel: S. Sixt, B. Freitas*

09:00 – 09:05  
Aspiration thrombectomy for acute deep vein thrombosis of the left lower extremity of a child after cardiac radiofrequency ablation  
*M. A. Ruffino*

09:05 – 09:10  
Mortality case after stent placement for SVC syndrome  
*M. G. Song*

09:10 – 09:15  
Bilateral breast enlargement: an unusual presentation of SVC obstruction in a hemodialysis patient with fibrosing mediastinitis  
*D. E. Goo*

09:15 – 09:20  
Emergency single stage superior vena cava and pulmonary artery stenting  
*N. Seneviratne*

09:20 – 09:25  
Catastrophic antiphospholipid syndrome complicated with hepatic budd chiari syndrome and inferior vena cava occlusion: case report of successful management with endovascular sharp IVC recanalisation and direct intrahepatic porto-systemic shunting  
*A. Alsaadi*

09:25 – 09:30  
Endovascular treatment for IVC filter related PTS  
*W. Liang*

09:30 – 09:35  
Endovascular treatment of traumatic intra-abdominal suprahepatic IVC rupture  
*N. Y. Yim*

09:35 – 09:45  
Catheter directed thrombolysis followed by PTA of superior vena cava in a patient with severe SVC syndrome 3 years post PPM  
*S. Maqbool*

09:40 – 09:45  
Right ovarian vein syndrome  
*N. Algharem*

09:45 – 09:55  
Discussion

09:55 – 10:00  
Endovascular management of concurrent ilio-iliac arteriovenous fistula and ipsilateral common iliac vein occlusion  
*B. AlAhaideb*

10:00 – 10:05  
Successful percutaneous management of massive active bleeding from the ulcerated skin in two cases of complex AVM  
*G. Eldem*

10:05 – 10:10  
Posttraumatic high-flow priapism treated with superselective arterial coil embolization: case report and literature review  
*B. Marinelli Teixeira*

10:10 – 10:15  
Sharp recanalisation of central venous occlusion utilizing re-entry catheter  
*A. Alsaadi*

10:15 – 10:20  
Inferior vena caval obstruction and limited role of endovenous therapy  
*M. Tarte*

10:20 – 10:25  
Duodenal perforation consequent to a cava filter migration  
*G. Meirelles*

10:25 – 10:30  
Klippel Trenaunay syndrome. When and what to do?  
*A. Senol*

10:30 – 10:35  
Advanced stage metastatic prostatic adenocarcinoma causing bilateral extensive ilio-femoral DVT & infra-renal IVC thrombosis  
*M. Tarte*

10:35 – 10:40  
Single session combined treatment of acute pulmonary embolism (PE) and acute deep venous thrombosis (DVT) with mechanical aspiration thrombectomy: single center experience  
*M. Pieraccini*

10:40 – 11:00  
Discussion
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>11:00 – 11:30</td>
<td>Selected abstracts challenging cases – AV access related issues</td>
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<td></td>
<td>Moderator: K. Katsanos</td>
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<td>Panel: R. Jones</td>
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<td>11:00 – 11:05</td>
<td>Durability and cost effectiveness of peripheral inserted portcath for chemotherapy S. Nagib</td>
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<td>11:05 – 11:10</td>
<td>Central venous occlusive disease in hemodialysis patients. What to do when the dialysis</td>
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<td>fistula is quickly occluded after reintervention? E. Swiecka</td>
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<td>11:10 – 11:15</td>
<td>Dialysis access endovascular interventions and strategies for reducing hematomas with</td>
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<td>perforation M. Goldberg</td>
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<td>11:15 – 11:20</td>
<td>Extreme hemodialysis access: a transhepatic HeRO L. Freire</td>
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<td>A South African single unit audit D. A. le Roux</td>
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<td>11:25 – 11:30</td>
<td>Lessons learned from 257 patients treated by surgical correction of dialysis steal syndrome S. Steerman</td>
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<td>GDPR in a clinical setting</td>
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<td>Moderators: A. Talen, U. Beschorner</td>
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<td>11:30 – 11:38</td>
<td>GDPR: What's all the fuss about? A. Talen</td>
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<td>11:38 – 11:46</td>
<td>GDPR from an EC view A. Talen</td>
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<td>11:46 – 11:54</td>
<td>What do EU hospitals need to comply with GDPR in medical studies? J. Bühse</td>
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<td>11:54 – 12:02</td>
<td>MD perspective: what changed? How does GDPR affect communication with the patient? U. Beschorner</td>
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<tr>
<td>12:02 – 12:10</td>
<td>GDPR requirements for non-EU based manufacturers N. Busch</td>
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<tr>
<td>12:10 – 12:30</td>
<td>Discussion and conclusion</td>
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</table>
**Challenging cases and complications – EVAR aortic dissections**

**Moderator:** V. Riambau  
**Panel:** F. Verzini

12:30 – 12:35  Aortic dissection repair using the stabilise technique associated to arch procedures. Report of two cases  
A. Lopes

12:35 – 12:40  Endovascular and open rescue interventions in a case of inadvertent false lumen stentgraft implantation  
M. A. Ruffino

12:40 – 12:45  Endoanchors to stabilize short distal landing zone in challenged large thoracic aneurysm  
S. Koussayer

12:45 – 12:50  Complex multi-staged hybrid treatment in case of a complicated Type B dynamic dissection  
P. Scrivere

12:50 – 12:55  Trans-apical endovascular repair of iatrogenic Type A aortic dissection: 5-year follow-up results  
S. Kim

12:55 – 13:00  Dissection flap as bailout navigator with reversed petticoat technique in complicated acute Type B aortic dissection (case presentation)  
A. Allam

13:00 – 13:05  Percutaneous balloon fenestration and stent placement for lower limb ischemia complicated with Type B aortic dissection: An 8-year follow up  
V. P. Singh

13:05 – 13:10  Hybrid procedure for a young patient with Type B aortic dissection and malperfusion syndrome  
S. Nguyen

13:10 – 13:15  Ortner’s syndrome secondary to penetrating aortic arch ulcer treated with TEVAR  
P. Aragon Ropero

13:15 – 13:20  Effects of false lumen procedures for chronic DeBakey Type IIIb aortic dissection  
S.-W. Song

R. George

13:25 – 13:30  Cheese-wire fenestration to create a suitable landing zone for treatment of complex aortic dissection with late aneurysm formation  
J. Stern
Challenging cases and complications – EVAR thoracic aorta/aortic arch/thoracoabdominal aneurysms

**Moderator:** M. Malina

**Panel:** C. Shu, F. Criado

14:00 – 14:05 Initial single-center experience with the use of the Covera Plus covered stent in combination with the Colt device in complex aortic repair  
**G. Coppi**

14:05 – 14:10 Multilayer flow modulator placement for peri-visceral saccular aneurysm with hemodynamic evaluation with AneurysmFlowSM: A case report  
**J. Y. Kim**

14:10 – 14:15 Congenital anomalies of the aortic arch; are they so rare?  
**D. Ruiz Chiriboga**

14:15 – 14:20 Use of parallel stents in visceral arteries in giant aneurisma with challenger neck: Case report  
**A. Moraes**

14:20 – 14:25 Management of T-Branch infection  
**P. Rodriguez**

14:25 – 14:30 Thoracic wall sternal reconstruction tilted implant perforating the ascending aorta: endovascular repair with ascending TEVAR  
**A. Pellegrin**

14:30 – 14:35 Complete de-branching aortic arch, with TEVAR from ascending aorta  
**J. Chaves**

14:35 – 14:40 Total arch replacement with chimney endovascular technique  
**G. Meirelles**

14:40 – 14:45 Cervical aortic arch debranching with laser fenestration of TEVAR for ascending/aortic arch pathology  
**M. Wooster**

14:45 – 14:50 Staged open and endovascular management of the entire aorta in a patient with complicated Type A dissection  
**V. Patel**

14:50 – 14:55 Iliac artery rupture during endovascular repair of the thoracic aorta  
**L. Sanchez Escalante**

14:55 – 15:15 Discussion
08:30 – 08:35  Percutaneous trans-gluteal embolization of an internal iliac artery aneurysm in a case of occlude IBE  
\textit{M. A. Ruffino}

08:35 – 08:40  Endovascular therapy of aortoiliac occlusion – Could it be the first line therapy?  
\textit{C. Anastasiadou}

08:40 – 08:45  Bilateral common femoral artery endaterectomy with covered endovascular reconstruction of aortic bifurcation (CERAB) with retrograde left anterior tibial artery for PRESTO technique to conquer the complex aorto-iliac occlusive disease with heavily calcified CFA and long segment chronic total occlusion (CTO) lesion of SFA  
\textit{T. Prapassaro}

08:45 – 08:50  Use of the transbrachial approach with regular radial sheath as an alternative method in the management of aortoiliac occlusive arterial diseases  
\textit{M. Nagib}

08:50 – 08:55  Exclusion of a traumatic, giant arteriovenous fistula in a thirty-year-old female patient using endovascular technique  
\textit{R. Proczka}

08:55 – 09:00  Endovascular treatment of ureteroarterial fistula using a covered stent, evaluated by intravascular ultrasound: A case report  
\textit{K. Horie}

09:00 – 09:05  Leriche syndrome percutaneous treatment in patient with CLI – CERAB technique modification with protection of inferior mesenteric artery  
\textit{P. N. Kipiani V.}

09:05 – 09:10  Combined thrombolysis, suction, and open aorto-iliac thrombectomy  
\textit{H. Rabee}

09:10 – 09:15  Endovascular treatment of arterial complications after orthopedic surgery of the hip  
\textit{E. Lonjedo}

09:15 – 09:20  Complex vascular complication after Hip TEP  
\textit{C. Feldmann}

09:20 – 09:25  Retrograde embolization of symptomatic hypogastric artery aneurysm  
\textit{A. Unzeitig}

09:25 – 09:30  Unusual transarterial embolization for frozen shoulder in case of ulcerative colitis  
\textit{S. W. Park}
09:30 – 11:00 Challenging cases and complications – carotid/visceral/renal
Moderator: S. Bartus
Panel: K. Mathias

09:30 – 09:35 Internal carotid pseudoaneurysm treated with diverted flow stent
P. P. Aragon Ropero

09:35 – 09:40 Traumatic subclavian pseudoaneurism treated by hybrid technique
S. Estebanez

09:40 – 09:45 Early endovascular approach in acute internal carotid artery dissection
R. Santos

09:45 – 09:50 Hybrid operation for a huge internal carotid arterial aneurysm
W. Li

09:50 – 09:55 Dysphagia Lusoria due left subclavian Kommerell diverticulum
G. Meirelles

09:55 – 10:00 A case of successful EVT for acute hand ischemia with using trans collateral channel approach
H. Takimura

10:00 – 10:05 Experience on management of extracranial carotid aneurysms
J. Wang

10:05 – 10:10 IVUS & OCT during CAS
S. Volkov

10:10 – 10:15 Endovascular management of massive hemobilia due to cystic artery pseudoaneurysm following laproscopic cholecystectomy
A. Khan

10:15 – 10:20 Management of giant celiac artery aneurysm in a frail patient
T. Soares

10:20 – 10:25 Endovascular treatment of acute bleeding from a SMA pseudoaneurysm following pancreaticoduodenectomy by implantation of coronary stent-grafts
M. Planert

A viable option for a common problem. Case presentation and literature review
A. Safar

10:30 – 10:35 Case study: complete occlusion of mesenteric vessels with vascularisation surgically
R. Heidepriem

10:35 – 11:00 Discussion
Selected abstracts original research – Venous/AV access

Moderator: S. Black
Panel: R. de Graaf, S. Sixt

11:00 – 11:05  Endovascular management of iliac vein compression syndrome: a prospective case series of 61 patients  A. Allam

11:05 – 11:10  Flebogrif a new minimally invasive mechano-chemical technique for ablation of the great saphenous vein. One center experience – results of 24-month follow-up  T. Zubilewicz

11:10 – 11:15  Midterm result of tunneled catheter placement in hemodialysis patients with central venous stenosis or occlusion  H. Lotfy

11:15 – 11:20  Vena cava filter deployment prior to percutaneous endovenous therapy for proximal lower limb deep venous thrombosis: Should we routinely practice?  M. Ismail

11:20 – 11:25  Fate of groin after radiofrequency ablation of varicose vein  E. Elashaal

11:25 – 11:30  Iliac vein obstruction in chronic venous disease: efficacy of computed tomography venography when compared to intravascular ultrasound  F. Rossi

11:30 – 11:35  Mid-term improvement of persistent headaches in patients with multiple sclerosis undergoing balloon venoplasty of internal jugular veins  P. Veroux

11:35 – 11:40  The use of ultrasound accelerated thrombolysis vs. catheter guided thrombolysis for the treatment of DVT of lower extremities  M. Ansari

11:40 – 11:45  Covered stents are an endovascular option for hemodialysis-related venous occlusive disease  T. Steinke

11:45 – 11:50  The early and mid-term results of endovascular treatment for central venous obstruction in hemodialysis patients  W. Liang

11:50 – 11:55  Hemodialysis access induced distal ischemia; effectiveness of different types of revisional surgeries  H. Sharafeldin

11:55 – 12:00  Removal of 16-year old permanent trapeze IVC Filter: presentation + review of the literature  B. Olivieri

12:00 – 12:30  Discussion
### Selected abstracts original research – Carotid/visceral/renal

**Moderator:** S. Müller-Hülsbeck  
**Panel:** S. Basche

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<tr>
<th>Time</th>
<th>Title</th>
<th>Author(s)</th>
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<tr>
<td>12:30 – 12:35</td>
<td>Outcome of carotid artery stenting in patient with combined carotid and coronary artery disease</td>
<td>M. R. Juniery Pasciolly</td>
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<td>12:35 – 12:40</td>
<td>Endovascular reconstruction of extracranial traumatic internal carotid artery dissections: A systematic review</td>
<td>G. Koullias</td>
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<td>12:40 – 12:45</td>
<td>12-year experience of stent treatment of extracranial carotid stenosis (ECE)</td>
<td>E. Lonjedo</td>
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<td>12:45 – 12:50</td>
<td>1-year result of stent graft for carotid artery pseudo-aneurysm in Behcet’s disease patients</td>
<td>H. Lotfy</td>
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<td>12:50 – 12:55</td>
<td>Modified anchor technique for stenting of main arteries of the head ostial stenosis</td>
<td>Y. Cherednychenko</td>
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<td>12:55 – 13:00</td>
<td>Monitoring of hemoperfusion of the brain and control of the absence of embolic ischemic foci according to CT perfusion and MRI in endovascular treatment of patients with multifocal stenotic and occlusive lesions of the cerebral artery</td>
<td>Y. Cherednychenko</td>
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<td>13:00 – 13:05</td>
<td>Carotid surgery in patients with contralateral occlusion: no shunt or endovascular</td>
<td>N. Zherdev</td>
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<td>13:10 – 13:15</td>
<td>Single center experience with open and endovascular treatment of the Nutcracker syndrome</td>
<td>A. Grandi</td>
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<td>13:15 – 13:30</td>
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<td>13:30 – 15:00</td>
<td>Selected abstracts original research – PVD/iliac</td>
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<td>Moderator:</td>
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<td>F. Fanelli</td>
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<td>S. Nikol</td>
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<td>F. Fanelli</td>
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<td>13:30 – 13:35</td>
<td>Peripheral vascular disease in women in Argentina: more serious,</td>
<td>A. Mollon</td>
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<td>under-recognised and undertreated</td>
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<td>13:35 – 13:40</td>
<td>Impact of secondary prevention on outcome in patients</td>
<td>N. Malyar</td>
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<td>with peripheral artery disease</td>
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<td>13:40 – 13:45</td>
<td>Impact of HDL to major adverse limb event in end-stage renal disease</td>
<td>T. Kato</td>
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<td>on hemodialysis due to diabetic nephropathy. From PREDICT study</td>
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<td>13:45 – 13:50</td>
<td>Digital variance angiography as a paradigm shift in carbon-dioxide</td>
<td>V. I. Óriás</td>
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<td>13:50 – 13:55</td>
<td>4F peripheral arterial interventions via percutaneous brachial artery</td>
<td>D. Kretszchmar</td>
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<td>13:55 – 14:00</td>
<td>Multicentric registry of lower limbs angioplasty in Argentina: Initial</td>
<td>S. Peralta</td>
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<td>results</td>
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<td>14:00 – 14:05</td>
<td>Surgical technique of Impella 5.0 Ventricular Assist Device</td>
<td>D. Loschi</td>
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<td>Transaxillary Artery Placement</td>
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<td>14:05 – 14:10</td>
<td>Endovascular treatment of arterial injuries with Bentley’s BeGraft</td>
<td>M. A. Ruffino</td>
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<td>stent-graft system: Preliminary results</td>
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<td>14:10 – 14:15</td>
<td>Meta-analysis of direct surgical vs. endovascular revascularisation</td>
<td>S. Premaratne</td>
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<td>for aorto-iliac occlusive disease</td>
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<td>14:15 – 14:20</td>
<td>Hybrid procedure in patients with critical ischemia with common femoral</td>
<td>D. S. Papoyan</td>
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<td>artery and aortoiliac occlusive disease for TASC II</td>
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<td>14:20 – 14:25</td>
<td>Hybrid procedure in comparison with aorto femoral shunting in patients</td>
<td>A. Karpenko</td>
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<td>with lesions of the iliac arteries (TASC C, D) and hemodynamically</td>
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<td>significant lesions of the common femoral artery: Final results</td>
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<td>14:25 – 14:30</td>
<td>Fusion imaging reduces radiation and contrast medium exposure during</td>
<td>E. Stahlberg</td>
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<td>endovascular revascularisation of iliac steno-occlusive disease</td>
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<td>14:30 – 14:35</td>
<td>An Australian multicenter experience with the Endologix AFX unibody</td>
<td>C. Wang</td>
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<td>stent graft for the treatment of aortoiliac occlusive disease</td>
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<td>14:35 – 14:40</td>
<td>Results from a multicenter study of transradial iliac artery stenting</td>
<td>N. Shinozaki</td>
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<td>14:40 – 14:45</td>
<td>Endovascular approach in terminal aorta occlusion: how and when</td>
<td>N. Zherdev</td>
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<td>14:45 – 14:50</td>
<td>An endovascular solution for a troubling orthopedic complication:</td>
<td>E. Moore</td>
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<td>Rapid coil embolization of a profunda branch laceration during</td>
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<td>a complex femoral shaft fracture repair</td>
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<td>14:50 – 14:55</td>
<td>Is exercise always good for you? An arterial thrombosis due to</td>
<td>S. Steerman</td>
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<td>excessive crossfit exercise</td>
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<td>14:55 – 15:00</td>
<td>Safety and efficacy of the use of covered stent for the treatment</td>
<td>E. Stabile</td>
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<td>of iliofemoral disease</td>
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15:00 – 16:30 | Selected abstracts original research – SFA/popliteal/BTK

**Moderator:** I. Baumgartner  
**Panel:** R. Langhoff, L. Garcia

**15:00 – 15:05** | The periodical difference of SFA intervention from MK3 study  
M. Fujihara

**15:05 – 15:10** | Endovascular treatment with the Phoenix atherectomy system in patients with chronic limb ischemia. A series of 74 consecutive patients  
G. Korosoglou

**15:10 – 15:15** | Can vessel preparation minimize residual stenosis and improve outcomes?  
T. Zeller

**15:15 – 15:20** | Drug-eluting stent implantation vs. bypass surgery for in-stent occlusion after femoropopliteal stenting  
Y. Tomoi

**15:20 – 15:25** | Increased incidence of acute limb ischemia in patients treated with femoropopliteal stenting vs. atherectomy or angioplasty: A comparison of 823 consecutive femoropopliteal interventions  
E. Scott

**15:25 – 15:30** | Drug coating balloon use for symptomatic femoropopliteal arterial disease treatment  
M. Ansari

**15:30 – 15:35** | Impact of tibial runoff on outcomes of endovascular treatment for femoropopliteal atherosclerotic lesions  
U. Park

**15:35 – 15:40** | 1-year outcome of DCB for long femoropopliteal artery disease in real-world practice from a single center in China  
Z. Ye

**15:40 – 15:45** | Angiographic classification of popliteal artery morphology in relation to patients phenotype in symptomatic peripheral artery disease (PAD)  
M. Kaspar

**15:45 – 15:50** | Popliteal artery angioplasty for CTO with vs. without distal landing zone  
K. Atmatzas

**15:50 – 15:55** | Could IVUS guided intervention for below the knee artery improve the clinical outcomes?  
M. Fujihara

**15:55 – 16:00** | IVUS guided real intraluminal approach improve clinical outcome of SFA-CTO compared with conventional intraluminal approach  
Y. Tsubakimoto

**16:00 – 16:05** | Safety and efficacy of the use of sirolimus eluting coronary self expanding system for the treatment of iliofemoral disease  
E. Stabile

**16:05 – 16:10** | How to maximize the effect of Zilver PTX? – Three year follow up data of Zilver PTX in our hospital  
E. Ojima

**16:10 – 16:30** | Discussion
mediAVentures is the exclusive supplier of all multimedia services for the LINC courses. All live case transmissions are co-ordinated, filmed and produced by mediAVentures crew, using the latest in high definition television and wireless technology. As the complete transmission chain (from fluoroscopy to projector) is performed in full HD, the quality of the medical images as seen by the audience is identical to what the operators in the digital cathlab are seeing. Ultrabright projection onto huge screens, interactive panel and audience participation, innovative display techniques and a unique conference support service create a unique teaching experience, making LINC the most comprehensive interventional course available today.

www.mediAVentures.be
08:00 – 09:30  The last frontiers: Extreme BTK interventions
  Moderators: C. Metzger, R. Ferraresi
  Panel: R. Beasley, J. Mustapha, W. Guo, F. Liistro, M. Brodmann, M. Palena
  08:00 – 08:21  Live case transmission from Abano Terme
  08:21 – 08:29  SAD transmission & BAD distribution: who is today a no-option CLI patient?
    R. Ferraresi
  08:29 – 08:37  Peroneal access technique: How do I do it and when do I consider it?
    M. Montero-Baker
  08:37 – 08:45  Calcified below-the-knee lesions – overview of treatment options
    E. Blessing
  08:45 – 09:06  Live case transmission from Leipzig
  09:06 – 09:14  An evaluation of drug eluting technologies for BTK treatment
    M. Brodmann
  09:14 – 09:22  DCB in BTK: Why and where should we use it
    F. Liistro
  09:22 – 09:30  Prestige pilot: Phoenix atherectomy and Stellarex DCB
    in infrapopliteal interventions
    M. Lichtenberg

09:30 – 11:00  Symposium: Mechanical atherectomy and thrombectomy of arterial and venous occlusions
  supported with an educational grant from Straub Medical
  Moderators: D. Scheinert, R. Loffroy
  Panel: B. Freitas, C. Wissgott, M. Lichtenberg
  09:30 – 09:40  Atherectomy and thrombectomy of femoropopliteal occlusions with Rotarex ®S: The Leipzig experience
    B. Freitas
  09:40 – 10:10  Live case transmission from Leipzig
  10:10 – 10:20  Retrospective analysis of initial results of an atherothrombectomy device in patients with acute, subacute, and chronic lower limb artery occlusion
    C. Wissgott
  10:20 – 10:50  Live case transmission from Leipzig
  10:50 – 11:00  Safety, procedural success, and outcomes of the Aspirex® S endovascular thrombectomy system in the treatment of iliofemoral deep vein thrombosis: data from the Arnsberg Aspirex registry
    M. Lichtenberg
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| 11:00 – 12:30 | **Endo-vascular transcendence in end stage renal disease** supported with an educational grant from C. R. BARD  
**Moderator:** D. Scheinert  
**Panel:** T. Steinke, R. Jones, B. Dolmatch, P. Kitrou, R. Ferraresi, R. Shahverdyan |
| 11:00 – 11:08 | Endovascular therapy first in ESRD  
**B. Dolmatch** |
| 11:08 – 11:16 | CLI in ESRD. Upper & lower limb ischemia  
**R. Ferraresi** |
| 11:16 – 11:24 | WavelinQ endo-vascular access creation  
**R. Jones** |
| 11:24 – 11:32 | Different approaches in WavelinQ endo-vascular access  
**R. Shahverdyan** |
| 11:32 – 11:42 | Recorded case presentation  
**R. Shahverdyan** |
| 11:42 – 11:52 | Treating the dysfunctional AV. From algorithm to Tips & Tricks  
**P. Kitrou** |
| 11:52 – 11:57 | Proof is in the evidence  
**D. Scheinert** |
| 11:57 – 12:22 | Live case transmission from Münster |
| 12:22 – 12:30 | Discussion and conclusion |
| 12:30 – 13:30 | **Lunch** |
| 13:30 – 15:00 | **The last frontiers: Endovascular therapy of the common femoral artery and the popliteal segment**  
**Moderators:** L. Garcia, Y. Gouëffic  
**Panel:** S. Debus, E. Blessing, F. Criado, M. Menard, W. Liang |
| 13:30 – 13:35 | Long term (10 years) outcomes using VIABAHN for the treatment of PAA  
**I. Tielliu** |
| 13:35 – 13:55 | Live case transmission from Leipzig |
| 13:55 – 14:00 | Lesions of the CFA: Increasing evidence for endovascular rather than open repair!  
**M. Malina** |
| 14:00 – 14:05 | I disagree: Surgical reconstruction is still the gold standard for CFA reconstruction  
**M. Menard** |
| 14:05 – 14:10 | Panel discussion and audience vote |
| 14:10 – 14:35 | Live case transmission from Bad Krozingen |
| 14:35 – 14:40 | Intravascular Lithotripsy as a treatment option for calcified stenosis of the common femoral artery: initial experiences  
**E. Blessing** |
| 14:40 – 14:45 | Directional atherectomy and anti-restenotic therapy for CFA disease  
**T. Zeller via satellite from Bad Krozingen** |
| 14:45 – 14:50 | 2-year outcomes of directional atherectomy and anti-restenotic therapy in CFA disease  
**A. Cioppa** |
| 14:50 – 14:55 | A valuable alternative for CFA endarterectomy? The use of the Supera vascular mimetic implant for the treatment of atherosclerotic disease in the CFA: 12-month results of the VMI-CFA study  
**K. Deloose** |
| 14:55 – 15:00 | Bifurcation stenting of the common femoral artery – long term follow up of Supera cases using the Culotte technique  
**E. Blessing** |
Disruptive treatment approaches and pioneering techniques for patients with vascular disease
partially supported with an educational grant from Bayer AG

Moderators: W. Gray, S. Debus

Panel: R. Bauersachs, M. Brodmann, G. Adams, R. Varcoe, E. Armstrong

Focus on innovations in drug therapy

15:00 – 15:08
Understanding the latest evidence with Rivaroxaban vascular dose in PAD treatment
S. Debus

15:08 – 15:16
How can the COMPASS PAD data be applied to daily clinical practice?
R. Bauersachs

Focus on innovations for vessel preparation

15:16 – 15:22
What lessons have we learned from DEFINITIVE AR
A. Rastan

15:22 – 15:47
Live case transmission from Münster

Focus on innovations in implant technology

15:47 – 15:53
Future of stenting in the current DCB world
K. Deloose

15:53 – 15:59
Interim 2-year results from the MIMICS-2 study
T. Zeller via satellite from Bad Krozingen

15:59 – 16:21
Live case transmission from Leipzig

16:21 – 16:43
Live case transmission from Bad Krozingen

16:43 – 16:49
Characterizing the relationship between oxygen measured by subcutaneous microsensors during revascularisation procedures and wound healing in CLI patients
M. Brodmann

16:49 – 16:55
Update on MIMICS-3D: Emerging real world registry data
M. Lichtenberg

Focus on innovations for complex femoral lesions – The percutaneous bypass technique

16:55 – 17:01
Taking the scenic route: A complex case from the DETOUR II trial
E. Armstrong

17:01 – 17:07
First time data release:
Extreme SFA lesions: DETOUR I 12-month results in lesions >30cm
S. Lyden

17:07 – 17:13
Durability of the DETOUR procedure for percutaneous fem-pop bypass: 3-year follow-up from my first case
G. Halena

Focus on strategies to optimize assessment of revascularisation results

17:13 – 17:19
Perfusion angiography: towards new standards for optimized treatment outcomes
D. van den Heuvel

17:19 – 17:44
Live case transmission from Abano Terme

Focus on venous disease

17:44 – 17:50
Endovenous Valve Formation (EVF) – an initial report on the human clinical trial of the first non-implantable, endovenous approach to deep vein reflux
R. Varcoe

17:50 – 18:00
Discussion and conclusion
08:00 – 08:30  
**New insights and current techniques for thoracic endovascular aortic repair (TEVAR)**  
*Moderators: V. Riambau, G. Torsello*  
*Panel: F. Criado, M. Malina, D. Böckler*

08:00 – 08:06  
Beyond morphology: Bovine arch anatomy, classification, and implications  
*F. Criado*

08:06 – 08:12  
Extensibility and distensibility of the thoracic aorta in patients with aneurysms  
*F. Moll*

08:12 – 08:42  
**Live case transmission from Münster**

**Focus on new devices for TEVAR**

08:42 – 08:48  
Treating challenging aortic anatomies. Are new devices the answers to overcoming current limitations?  
*TBD*

08:48 – 08:54  
Early insights from the clinical trial for Valiant Navion™: how Medtronic’s new low-profile TEVAR device expands therapeutic options  
*F. Verzini*

08:54 – 09:00  
RelayPro regeneration trial: Update and launch  
*R. Giudice*

09:00 – 09:06  
The value of conformability and control: 18-month of clinical experience in all thoracic etiologies  
*G. Torsello*

09:06 – 09:12  
More than 50 cases with CTAG with active control: What did we learn?  
*D. Böckler*

09:12 – 09:18  
Open conversion after failed TEVAR  
*R. Chiesa*

09:18 – 09:30  
Discussion and conclusion

09:30 – 11:00  
**Management of aortic dissections and pioneering techniques for pathologies of the ascending aorta and the aortic arch**  
*Moderators: T. Kölbel, F. Veith*  
*Panel: W. Guo, R. Kolvenbach, M. Lachat, R. Chiesa*

**Focus on acute aortic syndromes and aortic dissections**

09:30 – 09:36  
Update on management of PAU and IMH: Lingering doubt and controversies  
*F. Criado*

09:36 – 09:42  
Recent evidence surrounding the treatment of patients with Type B dissections  
*P. Hayes*

09:42 – 09:48  
Decision process and influencing factors for the treatment of uncomplicated Type B aortic dissection  
*D. Böckler*

09:48 – 09:54  
Chronic aortic dissection: When to use FEVAR and when false lumen occlusion techniques  
*T. Kölbel*

09:54 – 10:18  
**Live case transmission from Paris**

**Focus on new approaches for the ascending aorta and the arch**

10:18 – 10:24  
How to manage aortic arch pathology: open, hybrid, chimney or fenestration  
*C. Shu*

10:24 – 10:30  
The current status of endovascular repair of ascending aorta and aortic arch  
*T. Kölbel*

10:30 – 10:36  
Ascending aortic remodelling permits TEVAR in most ascending aneurysms  
*R. Kolvenbach*

10:36 – 10:42  
Comparison of two different techniques of isolated left subclavian artery revascularisation during “Zone 2” thoracic endovascular aortic repair  
*G. Pratesi*

10:42 – 10:48  
RelayBranch: Expanding TEVAR to a new class of patients  
*R. Heijmen*

10:48 – 10:54  
Register study for Zone 0 aortic arch aneurysm with Chimney/Sandwich technique: 8-year follow-up  
*TBD*

10:54 – 11:00  
Updated results of the Nexus aortic stentgraft system  
*M. Lachat*
Symposium: Active control and conformability:
a new portfolio paradigm to advance care
supported with an educational grant from Gore & Associates
Moderator: G. Torsello
Panel: D. Böckler, M. van Sambeek, N. Mosquera

11:00 – 12:30
11:00 – 11:05 Introduction
11:05 – 11:15 Benefit of the GORE® ACTIVE CONTROL System for achieving optimal outcomes in complex TEVAR procedures  D. Böckler
11:15 – 11:25 Controlled conformability to make it possible: European clinical experience with the GORE® EXCLUDER® Conformable AAA Endoprosthesis  M. van Sambeek
11:25 – 11:50 Recorded case presentation from Eindhoven  M. van Sambeek
11:50 – 12:00 Expand the indication for iliac branching: key clinical and technical learning in the bilateral treatment  N. Mosquera
12:00 – 12:25 Live case transmission from Münster
12:25 – 12:30 Discussion and conclusion

Focus session: Pioneering techniques and new concepts for prevention of stroke and paraplegia during EVAR in the thoracic and thoracoabdominal aorta
with Andrej Schmidt live from Leipzig

Minimally invasive staged segmental artery coil embolisation – step by step
Moderator: V. Riambau
Panel: C. Etz, D. Branzan, M. Jacobs, E. Verhoeven, M. Borger
Staged repair and neuromonitoring during thoracoabdominal aortic repair – is it helpful?  M. Jacobs
Principle of spinal cord protection in open and endovascular TAA/A repair: from bench to bedsit  C. Etz
Technical aspects and first clinical results of MISACE  D. Branzan
Stroke in TEVAR: cerebral protection techniques. When and how  T. Kölbel
Re-do procedures after EVAR and management of endoleaks
*Moderators:* G. Torsello, M. van Sambeek
*Panel:* T. Larzon, M. Reijnen, R. Ghotbi, S. Seifert

13:30 – 13:36
Mechanical characterisation of abdominal aortic aneurysm, using 4D ultrasound
*M. van Sambeek*

13:36 – 13:42
Interaction of the endograft and the infrarenal neck after EVAR with the Anaconda stent-graft
*M. Koenrades*

13:42 – 13:48
Proximal extension of disease after FEVAR: frequency and treatment options
*E. Verhoeven*

13:48 – 13:54
Nellix-in-Nellix proximal extensions for late failures
*M. Reijnen*

13:54 – 14:00
Technical considerations to optimize clinical success with EndoAnchor implants
*J.-P. de Vries*

14:00 – 14:25
Live case transmission from Münster

14:25 – 14:31
Debunking the publication “predictors of abdominal aortic aneurysm sac enlargement after EVAR”; long-term results from the ENGAGE registry
*D. Böckler*

14:31 – 14:37
Flow-dynamic study for late Type I B endoleaks in thoracic stent-grafts
*F. Moll*

14:37 – 14:43
What is the clinical significance of Type II endoleaks?
5-year analysis from the ENGAGE registry
*M. Reijnen*

14:43 – 14:49
Alternative approach to Type II endoleaks: Transfemoral, para-graft approach
*P. Schneider*

14:49 – 14:55
First clinical results of aneurysm sac filling with polymers
*M. Jacobs*

14:55 – 15:00
Trouble shooting in iliac side branch failure treatment
*S. Seifert*

15:00 – 16:00
Symposium: The freedom to do more in TEVAR: New evidence and solutions to improve patient outcomes
sponsored by Medtronic
* Moderator:* D. Böckler

15:00 – 15:08
When and how to perform TEVAR: evidence based insights
*S. Trimarchi*

15:08 – 15:16
Addressing unmet clinical needs with the new generation Valiant Navion™ device
*P. Hayes*

15:16 – 15:24
30-day results on the Valiant Navion™ device
*F. Verzini*

15:24 – 15:49
Recorded case presentation: Valiant Navion™ device enhancements: A case-based approach to Navion’s clinical value
*L. Lovato*

15:49 – 16:00
Discussion and conclusion
16:00 – 18:00 Latest techniques for endovascular repair of thoracoabdominal aneurysms and consideration for prevention of complications
Moderators: M. Jacobs, M. Borger
Panel: G. Torsello, E. Verhoeven
16:00 – 16:06 State of the art of thoracoabdominal aortic aneurysm open repair M. Borger
16:06 – 16:12 Reduced morbidity and mortality after staged open repair for thoraco-abdominal aneurysms M. Jacobs
16:12 – 16:18 Centralization vs. proctoring: Results in about 1,000 fenestrated and branched cases E. Verhoeven
16:18 – 16:50 Live case transmission from Paris
Focus on side branch technology
16:50 – 16:55 Performance of different bridging stentgrafts in a fenestrated model after flaring. An in vitro study M. Austermann via satellite from Münster
16:55 – 17:00 Failure modes of visceral branches in EVAR: Implications for branch design M. Malina
17:00 – 17:05 Why is it so important to use the right stent in FEVAR? A. Prent
17:05 – 17:10 18-month of follow-up on the BeGraft PLUS in BEVAR cases E. Verhoeven
17:10 – 17:15 Early experience of VBX in branched procedures G. Torsello
17:15 – 17:23 Recorded case presentation: Complex FEVAR using Fenestrated Anaconda and RelayPlus F. Taher
17:23 – 17:29 Update on the sandwich technique for treating complex TAAAs: Technical tips, precautions, and results G. Torsello
17:29 – 17:35 Tips and tricks for the percutaneous axillary artery access during complex endovascular aortic procedures D. Branzan
17:35 – 17:41 Early PS-IDE experience with the off-the-shelf Valiant™ thoracoabdominal device T. Maldonado
17:41 – 17:47 Inner branches: a third option to address “non-suitable” visceral target vessels in FEVAR/BEVAR. Indication, technique, and limitations A. Katsargyris
17:47 – 17:52 Should upper extremity access be avoided in BEVAR: when to use deflectable sheaths T. Köbel
17:52 – 17:57 Post-implantation inflammatory response after EVAR E. Debing
17:57 – 18:00 Discussion and conclusion
08:00 – 09:30  CLI and CTO summit – complex aortoiliac and femoral interventions

- with Sven Bräunlich live from Leipzig
- with Thomas Zeller live from Bad Krozingen
Moderators: J. Laird, D.-D. Do
Panel: S. Sixt, R. Langhoff, B. DeRubertis

Selected abstracts – challenging cases:
Covered Endovascular Reconstruction of Aortic Bifurcation (CERAB-technique) in a case of common iliac artery rupture  M. A. Ruffino
Hybrid surgical treatment of bilateral aorto-femoral occlusion  D. Chernova
The Chimney-CERAB for treatment of acute aortic thrombosis  W. Saengprakai
Ultrasound-guided direct needle engagement for flush-occluded superficial femoral artery  U. Park
Long-term follow-up after retrograde recanalisation of superficial femoral artery chronic total occlusion  S. Bartus

09:30 – 10:30  Step by step on SFA/pop and other Supera usage technical and practical aspects
supported with an educational grant from Abbott Vascular
Moderator: J. van den Berg
Panel: J. Teßarek, S. Thomas, K. Deloose

09:30 – 09:40  How to perform CFA Supera deployment  K. Deloose
09:40 – 09:50  How to perform AVF Supera deployment  S. Thomas
09:50 – 10:00  How to perform subintimal Supera deployment with Presto technique  L. M. Palena
10:00 – 10:10  How to perform Supera popliteal aneurysm deployment  J. Teßarek
10:10 – 10:30  Discussion and conclusion

10:30 – 12:00  CLI and CTO summit – complex femoral and BTK interventions

- with Marco Manzi live from Abano Terme
- with Andrej Schmidt live from Leipzig
Moderators: A. Micari, J. Mustapha
Panel: K. Urasawa, C. Metzger
Over 1200 patients treated w/pedal access from primary CTO + CLI in an outpatient setting  J. Melton
Usefulness of ankle block in case of distal puncture for below-the-knee angioplasty  Y. Dannoura

Selected abstracts – challenging cases:
Retrograde transcollateral revascularisation of totally occluded superficial femoral artery  E. Vuruskan
Modified snare-piercing technique for severe calcified superficial femoral artery lesion  K. Tobita
Popliteal artery bifurcation reconstruction by double retrograde access of tibial arteries with kissing balloon technique  S. Orrapin
Pioneering techniques for critical limb ischemia and “no-option” patients

- with Thomas Zeller live from Bad Krozingen
- with Marco Manzi live from Abano Terme
- with Andrej Schmidt live from Leipzig

Moderator: G. Biamino
Panel: A. Micari, F. Liistro, K. Katsanos

Angiosomal-guided revascularisation in critical limb ischemia  J. Li

Direct revascularisation (DR) to improve wound healing and prevent major amputations in CLI patients with below-the-knee PAD. Case presentations and literature review  A. Safar

Percutaneous needle disruption of heavily calcified tibial artery during infrapopliteal angioplasty; personal experience with the PIERCE technique previously described by Sato et al.  J. Kim

Central wiring technique is useful for SFA occluded lesions with self ultrasonography guided method  H. Takimura

Assisted tibial artery re-entry during SAFARI revascularisation  K. Madassery

An endovascular treatment option for end stage desert foot in the setting of rapidly progressing critical limb ischemia by way of deep venous arterialization  Z. N’Dandu
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>10:00 – 11:00</td>
<td>Vascular discussion: indications &amp; evidence based therapies sponsored by Medtronic</td>
<td>Moderator: G. Torsello</td>
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<tr>
<td>10:00 – 10:15</td>
<td>Unparalleled clinical data outcome from one AAA device and expanded treatment options with approval</td>
<td>D. Böckler</td>
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<td>10:15 – 10:30</td>
<td>Early endoluminal treatment in venous ulceration</td>
<td>M. Steinbauer</td>
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<td>10:30 – 10:45</td>
<td>Clinical evidence of IN.PACT and opportunities of DAART for the treatment of PAD</td>
<td>M. Bosiers</td>
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<td>10:45 – 11:00</td>
<td>Clinical evidence of ONYX for the treatment of endoleakages and AVM’s</td>
<td>W. Wohlgemuth</td>
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<td>Vessel preparation with plain balloons – the role of sizing and dilatation time</td>
<td>F. Liistro</td>
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<td>Scoring balloons and high pressure dilatation with non-compliant balloons – How I do it</td>
<td>S. Kum</td>
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<td>Vascular calcification in peripheral arteries: Implications for device design and procedural success</td>
<td>A. Finn</td>
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<td>The use of orbital atherectomy and Intravascular Lithotripsy in fem-pop disease – What is the concept and how to best select the cases?</td>
<td>J. Phillips</td>
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<td>Directional atherectomy – what is the best technique and how to avoid complications?</td>
<td>K. Donas</td>
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<td>The importance of vessel preparation prior to stenting</td>
<td>B. DeRubertis</td>
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</tbody>
</table>
15:00 – 16:00 VIVA@LINC: Strategies on the frontline –
Illustrative cases with step-by-step approach
Venous disease, unsolved problems, and opportunities
Moderator: J. Laird
Discussants: C. Metzger, S. Lyden, G. O’Sullivan
State-of-the-art in deep venous stenting  C. Metzger
Vena cava filters – how to optimize treatment strategy  S. Lyden
Trends in managing massive and submassive pulmonary embolus:
How to intervene  C. Metzger
Managing acute DVT: which tool to use and why and how to combine them
G. O’Sullivan

This is a topic-based session with illustrative cases. The speaker will present
a recent case and go through a step-by-step approach with technical tips and
advice on best management.
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09:00 – 11:00</td>
<td><strong>Global expert exchange: Selected challenging cases – PVD</strong></td>
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<tr>
<td></td>
<td>Moderators: G. Biamino, R. Varcoe</td>
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<td>Panel: P. Huppert</td>
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<td>09:00 – 09:05</td>
<td>A case of Leriche syndrome after axillo-femoral bypass failure</td>
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<td>which was difficult to distal embolism</td>
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<td></td>
<td>N. Hayakawa</td>
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<tr>
<td>09:05 – 09:10</td>
<td>Bilateral iliac artery intervention in Takayasu’s arteritis</td>
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<td></td>
<td>M. Ansari</td>
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<td>09:10 – 09:15</td>
<td>Pieces and parts: Use of the Gore Excluder, Iliac Branched Endoprosthesis, and VBX balloon expandable stent grafts for the treatment of aorto-iliac occlusive disease</td>
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<tr>
<td></td>
<td>E. Moore</td>
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<td>09:15 – 09:20</td>
<td>The effect of directional atherectomy +DCB in TASC C&amp;D femoro-popliteal lesions</td>
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<td>D. Zhang</td>
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<td>09:20 – 09:25</td>
<td>Could we use atherectomy device at common femoral artery</td>
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<td>L. Chang Hoon</td>
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<td>09:25 – 09:30</td>
<td>Endovascular interventions after open surgery of the arteries</td>
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<td>Z. A. Kavteladze</td>
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<td>09:30 – 09:35</td>
<td>Comparison of Angiographic dissection patterns caused by Long vs. short balloons during balloon angioplasty for chronic femoropopliteal occlusions</td>
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<td>M. Tan</td>
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<td>09:35 – 09:40</td>
<td>Complex intervention to a chronic totally occluded TP Trunk and peroneal artery, with intervention to the popliteal artery and SFA requiring supra placement</td>
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<td>P. Farrugia</td>
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<td>09:40 – 09:45</td>
<td>Use of adjunct laser therapy for the treatment of femoropopliteal instent restenosis – A safety and efficacy analysis</td>
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<td>M. Ansari</td>
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<td>09:45 – 09:50</td>
<td>Unique treatment of popliteal aneurysm with kissing interwoven nitinol stents</td>
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<td>G. Chrysant</td>
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<td>09:50 – 09:55</td>
<td>RECROSS technique: revascularisation by crushing chronically occluded stents</td>
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<td>J. Rollo</td>
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<td>09:55 – 10:00</td>
<td>Endovascular management of traumatic vascular injury in lower extremities</td>
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<td>C.-W. Kim</td>
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<td>10:00 – 10:05</td>
<td>Modern lower extremity revascularisation: adapting skill sets</td>
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<td>from dialysis access thrombectomy</td>
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<td>M. Goldberg</td>
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<td>10:05 – 10:10</td>
<td>Argentinian registry for endovascular treatment in lower limbs “RAdAMI”</td>
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<td>A. P. Molon</td>
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<td>10:10 – 10:15</td>
<td>The trials and tribulations of hawking in the tibias</td>
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<td>V. Puttaswamy</td>
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<td>10:15 – 10:20</td>
<td>Strategy of EVT for calcified below-the-knee lesions in our hospital</td>
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<td>Y. Dannoura</td>
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<td>10:20 – 10:25</td>
<td>Limb salvage at all costs: How do you leverage all of the tools in your tool box</td>
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<td>G. Papia</td>
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<td>10:25 – 11:00</td>
<td>Discussion and conclusion</td>
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### ROOM 5 – GLOBAL EXPERT EXCHANGE FORUM

**Thursday, 24 January 2019 (cont.)**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>11:00</td>
<td><strong>Special course for nurses, technicians, and fellows</strong></td>
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<tr>
<td>11:00</td>
<td>Current concepts and new approaches in endovascular interventions</td>
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<td>11:00</td>
<td>Step-by-step review of techniques and data by leading interventional experts</td>
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<td>11:00</td>
<td><em>Moderators: U. Teichgräber, T. Köbel</em></td>
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<tr>
<td>11:00</td>
<td><strong>Focus on carotid stenting and embolization therapies</strong></td>
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<tr>
<td>11:00</td>
<td>Carotid artery stenosis – diagnostic approach and indication for treatment</td>
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<td>11:00</td>
<td>T. Wittig</td>
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<tr>
<td>11:08</td>
<td>Carotid artery stenting – latest technologies</td>
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<td>11:08</td>
<td>R. Langhoff</td>
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<td>11:16</td>
<td>Principles of coil embolization for bleeding, endoleaks, and beyond</td>
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<td>11:24</td>
<td>T. O. Petersen</td>
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<td>11:24</td>
<td>Interventional tumor therapy: what is available and how does it work?</td>
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<td>11:32</td>
<td>M. Moche</td>
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<td>11:32</td>
<td>New applications for embolization therapies</td>
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<tr>
<td>11:32</td>
<td>M. Pech</td>
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<td>11:40</td>
<td><strong>Focus on endovascular aortic repair</strong></td>
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<tr>
<td>11:40</td>
<td>Endovascular aortic repair of infrarenal aortic and iliac aneurysms –</td>
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<tr>
<td>11:40</td>
<td>from imaging to implantation</td>
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<td>11:40</td>
<td>D. Branzan</td>
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<tr>
<td>11:48</td>
<td>The role of 2D and 3D fusion imaging for reconstruction of complex aortic</td>
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<td>11:48</td>
<td>pathologies</td>
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<td>11:48</td>
<td>G. F. Torsello</td>
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<td>11:56</td>
<td>Branched and fenestrated grafts – When and how to use?</td>
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<td>11:56</td>
<td>E. Verhoeven</td>
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<tr>
<td>12:04</td>
<td>Endovascular treatment of aortic dissections</td>
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<td>12:04</td>
<td>M. Malina</td>
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<td>12:12</td>
<td>Glimpse into the future: Endovascular treatment of the aortic arch</td>
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<td>12:12</td>
<td>and the ascending aorta</td>
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<td>12:12</td>
<td>T. Köbel</td>
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<td>12:20</td>
<td>The percutaneous approach: What do we need to know about different access sites?</td>
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<td>12:20</td>
<td>D. Branzan</td>
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<tr>
<td>12:28</td>
<td>Discussion and conclusion</td>
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**THURSDAY**
**13:30 – 15:00 Special course for nurses, technicians, and fellows**  
Current concepts and new approaches in endovascular interventions  
Step-by-step review of techniques and data by leading interventional experts  
*Moderators: S. Steiner, M. Werner*

**Focus on peripheral arterial interventions**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>13:30</td>
<td>New approaches to measure perfusion after recanalisation in CLI procedures</td>
<td>M. Montero-Baker</td>
</tr>
<tr>
<td>13:46</td>
<td>Radiation protection – what is new</td>
<td>A. Gangl</td>
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<tr>
<td>13:54</td>
<td>Latest data in the field of drug-eluting therapies: What is the current status?</td>
<td>S. Steiner</td>
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<td>14:02</td>
<td>The retrograde approach – when and how to do it</td>
<td>M. Werner</td>
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<td>14:10</td>
<td>What is Intravascular Lithotripsy and when to use it</td>
<td>M. Brodmann</td>
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<td>14:18</td>
<td>New hope for end-stage CLI patients: The concept of deep venous arterialization</td>
<td>S. Kum</td>
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**Focus on venous interventions and AV-access**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>14:26</td>
<td>Iliac vein recanalisation: Indication, techniques, and outcome</td>
<td>O. Schlager</td>
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<tr>
<td>14:34</td>
<td>Endoluminal treatment of varicose veins</td>
<td>A. Lukhaup</td>
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<tr>
<td>14:42</td>
<td>Percutaneous creation of AV-fistula – initial experience</td>
<td>T. Bisdas</td>
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<tr>
<td>14:50</td>
<td>Discussion and conclusion</td>
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</table>
### Challenging cases and complications – PVD femoral/BTK

**Moderator:** S. Lyden  
**Panel:** J. Balzer

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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>10:30 – 10:35</td>
<td>Percutaneous mechanical stent thrombectomy used as therapy for acute limb ischemia</td>
<td>I. Semin</td>
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<tr>
<td>10:35 – 10:40</td>
<td>Treatment of calcified common and superficial femoral artery stenoses with retrograde atherectomy and dcb under protection of antegrade delivered anti-embolic filter in a patient with kissing iliac stents</td>
<td>E. Vuruskan</td>
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<tr>
<td>10:40 – 10:45</td>
<td>Body flossing technique the extremely helpful option</td>
<td>M. Salah</td>
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<td>10:45 – 10:50</td>
<td>How to use a wire to capture a missed wire?</td>
<td>M. Alsherif</td>
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<tr>
<td>10:50 – 10:55</td>
<td>Zero-contract atherectomy of femoropopliteal lesions</td>
<td>T. Bisdas</td>
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<td>10:55 – 11:00</td>
<td>Novel approach to popliteal occlusive disease</td>
<td>G. Chrysant</td>
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<tr>
<td>11:00 – 11:05</td>
<td>The combined use of an excimer laser and rotational atherectomy to overcome a severely calcified lesion bouncing any other devices back</td>
<td>K. Nakabayashi</td>
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<tr>
<td>11:05 – 11:10</td>
<td>Peripheral arteries hybrid surgery in high-risk patients</td>
<td>N. Zherdev</td>
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<td>11:10 – 11:15</td>
<td>Midterm outcomes of percutaneous bypass for very long femoropopliteal occlusion</td>
<td>V. Suwanruangsri</td>
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<td>11:15 – 11:20</td>
<td>Endovascular treatment for critical lower limb ischemia caused by giant cell arteritis</td>
<td>R. McLachlan</td>
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<tr>
<td>11:20 – 11:25</td>
<td>Case report of persistant sciatic artery</td>
<td>M. Ismail</td>
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<td>11:25 – 11:30</td>
<td>Transcatheter arterial embolization for intercostal pseudoaneurysm, which was causing haemorthorax after lobectomy</td>
<td>T. Gonzalez de la Huebra Labrador</td>
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<tr>
<td>11:30 – 11:35</td>
<td>Retrieval of retained scoring balloon after angioplasty with endoscopic forceps: a case report of an elderly lady with below the knee angioplasty for critical limb ischaemia</td>
<td>H. Ka Ki Isabelle</td>
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<tr>
<td>11:35 – 11:40</td>
<td>Hand salvage through catheter directed thrombolysis with Inj.rt-PA (Reteplase &amp; Heparin) and drug coated balloon angioplasty for atheromatous plaques</td>
<td>M. Tarte</td>
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<tr>
<td>11:40 – 11:45</td>
<td>CLI and multilevel disease</td>
<td>A. P. Mollon</td>
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<td>11:45 – 11:50</td>
<td>Efficacy and safety of EVT by diluted contrast angioplasty for CKD patients</td>
<td>N. Hayakawa</td>
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<td>11:50 – 11:55</td>
<td>EKOS utilisation in a case of acute craft occlusion causing acute limb ischemia</td>
<td>M. Ansari</td>
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<tr>
<td>11:55 – 12:00</td>
<td>Intentional wire manipulation with IVUS guidance is only reliable method for antegrade approach in CTO</td>
<td>T. Tsuda</td>
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<tr>
<td>12:00 – 12:05</td>
<td>Angiosome directed revascularisation using drug eluting balloons and stents is safe and offers the best limb salvage rates</td>
<td>K. Garg</td>
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<tr>
<td>12:05 – 12:10</td>
<td>How to create a critical limb ischemia team to reduce amputation in underserved areas</td>
<td>Z. N’Dandu</td>
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<td>12:10 – 12:30</td>
<td>Discussion</td>
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<tr>
<td>Time</td>
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</table>
**Panel: K. Katsanos**  
Homemade device to facilitate threading of low profile catheters  
*M. Lobato*  
Practical experience with the Renal Guard system  
*M. Mende*  
XO score: a novel scoring sheath for treatment of complex lesions and BTK CTOs  
*G. Adams*  
Real-time display of regions of interest with future event risk in angioscopic images using deep machine learning on mobile AI devices in patients with PAD  
*N. Miyagi*  
Impact of calcification modeling and planning circles with fusion imaging for the chronic total occlusion of iliac and femoro-popliteal arteries  
*N. Louis*  
A 3D gluteal artery model poured in silicone to facilitate gluteal artery puncture and training  
*P. Rynio*  
Discussion |
| 13:30 – 14:30 | Innovation forum – PVD-SFA/BTK  | **Moderator: J. Mustapha**  
**Panel: M. Montero-Baker**  
Totally percutaneous fem-pop bypass: the best of the two worlds  
*P. Sarradon*  
Next generation of DCB: Efficacy and tolerance of drug-coated hyper-compliant balloons (DCHCB) in peripheral arteries of swine  
*M. Kusmierczuk*  
Vascular responses and drug transfer upon treatment with the Reflow Temporary Spur Stent System  
*N. Brunacci*  
Animal safety study for the SoundBite™ Active Wire  
*M. Brouillette*  
The results of a 40 patient cohort at a single center with the DABRA atherectomy system  
*A. Kondur*  
Characterization of subcutaneous oxygen microsensors in healthy volunteers: in vivo evidence of a tool for future management of CLI patients  
*P. Schneider*  
Intra-sensor analysis of subcutaneous oxygen microsensors reveal heterogenous reperfusion response during revascularisation procedures for CLI patients  
*M. Montero-Baker*  
Virtual partial foot amputation based on finite element analysis  
*V. Lain*  
Totally percutaneous deep foot veins arterialization. Single centre experience  
*B. Migliara*  
New technique to facilitate percutaneous venous arterialization in patients with no-option critical limb ischemia  
*A. Ysa*  
Discussion |
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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</table>
| 09:30   | Challenging cases and complications – EVAR general/infrarenal           | Moderator: F. Moll  
Panel: S. Botsios, F. Vermassen                                          |
<p>| 09:30   | Could EVAR be done without preoperative Duplex, CT or IVUS in patient with border line renal function? | M. Haggag                                                               |
| 09:35   | Direct ultrasound guided anterior puncture of the aneurysmal sac for embolization of enlarging internal iliac artery aneurysm in association with a Type II endoleak | A. Eleshra                                                               |
| 09:40   | CHEVAS technique: challenging case of a pseudoaneurysm rupture in the proximal abdominal aortic anastomosis | P. Scrivere                                                              |
| 09:45   | A case of trapped VIABAHN string in the AFX skeleton successfully bailed out using laparoscopic scissors | T. Sato                                                                  |
| 09:50   | Endovascular treatment of hypogastric artery aneurysm using an internal branch device | G. Gemayel                                                               |
| 09:55   | Exclusion of a large ruptured femoral artery aneurysm with two endoprothesis outside the “instructions for use” | M. Correia                                                               |
| 10:00   | Indication for inferior mesenteric artery chimney procedure: Synchronous AAA, mesenteric ischemia and aortoiliac occlusive disease | C. Anastasiadou                                                          |
| 10:05   | Endovascular treatment, in addition to anticoagulation, is recommended in patients with symptomatic mobile intraaortic thrombus | J. Ebaugh                                                                |
| 10:10   | Long-term complications after an endovascular repair of a polianeurysmatic dystrophy | R. Pérez López                                                           |
| 10:15   | Uncommon complications leading to conversion after EVAR | C. Anastasiadou                                                          |
| 10:20   | Parallel stent graft technique to rescue an accidental coverage of superior mesenteric artery during endovascular treatment of a dissecting AAA | J. Wang                                                                  |
| 10:25   | Management of uncommon type of endoleak after EVAR | J. Y. Won                                                                |
| 10:30   | Transcaval sac puncture – the first choice in the treatment of Type II endoleaks with aortic sac enlargement | E. Moore                                                                 |
| 10:35   | Graft infection with a large retroperitoneal abscess after EVAR, a case report | Y. Jiao                                                                  |
| 10:40   | Patient-tailored strategies for hostile iliac artery during EVAR | J.-H. Joh                                                                |
| 10:45   | Failure to regress: A new metric for aneurysm surveillance following EVAR | V. Patel                                                                 |
| 10:50   | Unusual case of rhabdomyolysis after endovascular aneurysm repair | J. Kim                                                                   |
| 10:55   | Endovascular management of AAA post Aorto Bi femoral bypass graft | M. Shehata                                                               |
| 11:00   | Coarctation of the abdominal aorta: endovascular treatment with bare CP stent | M. Voos Budan Arins                                                      |
| 11:05   | Combined EVAR and a covered stent in the iliac veins for the treatment of right common iliac artery aneurysm with arteriovenous fistula to the right common iliac vein | W. Saengprakai                                                           |
| 11:10   | Endovascular repair of abdominal aortic aneurysms associated to total iliac axis occlusion using bifurcated endografts | S. Busto Suárez                                                          |
| 11:15   | Late development of severe periarterial inflammation and retroperitoneal fibrosis (Ormonds disease) after routine-EVAR resulting in hydronephrosis and renal failure – case report and literature review | G. Rothenbacher                                                          |
| 11:20   | Fusion Image Laser Fenestration In Situ (FIL&amp;FIS) for endovascular repair of Type I A endoleak | M. Majewski                                                               |
| 11:25   | A fuming case: CHEVAR for impending juxtarenal aortic aneurysm rupture | R. Ruiz                                                                   |</p>
<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>12:30 – 13:45</td>
<td><strong>Innovation forum – EVAR</strong></td>
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<tr>
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<td><em>Moderator: W. Guo</em></td>
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<td><em>Panel: N. Mosquera</em></td>
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<td>12:30 – 12:35</td>
<td>Extend Petticoat strategy in difussed (DeBakey III) aortic dissection Type B.</td>
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<td>New strategy to stop aneurysmatic degeneration</td>
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<td><em>A. Kazimierczak</em></td>
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<td>12:35 – 12:40</td>
<td>Bikini stents for anatomically challenging cases of sacular aneurysms</td>
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<td><em>M. Shehata</em></td>
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<td>12:40 – 12:45</td>
<td>A new fully automated imaging software to characterize abdominal aortic</td>
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<td>aneurysms properties</td>
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<td><em>F. Lareyre</em></td>
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<td>12:45 – 12:50</td>
<td>A template to create physician modified stent-graft: 3D printed aortic</td>
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<td><em>P. Rynio</em></td>
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<td>12:50 – 12:55</td>
<td>Matching analysis between classic and arch first technique</td>
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<td>in frozen elephant trunk for aortic arch repair</td>
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<td><em>A. Grandi</em></td>
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<td>12:55 – 13:00</td>
<td>The AORTIST cloud platform: a deep learning based clinical decision</td>
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<td>support system for thoracic endovascular aortic repair (TEVAR)</td>
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<td><em>W. Guo</em></td>
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<td>13:00 – 13:05</td>
<td>Real time evaluation of flow patterns of AAA depending on intra-aneurysmal</td>
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<td>thrombosis using AneurysmFlow</td>
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<td><em>J. Y. Kim</em></td>
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<td>13:05 – 13:10</td>
<td>In situ laser-assisted fenestration of aortic stentgraft (ISLAS) using</td>
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<td>CTA image fusion guidance for endovascular repair of complex aortic</td>
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<td>aneurysm: safety, feasibility and effectiveness</td>
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<td><em>P. Desgranges</em></td>
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<td>13:10 – 13:15</td>
<td>Augmented reality to facilitate endovascular aortic repair</td>
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<td><em>P. Rynio</em></td>
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<td>13:15 – 13:20</td>
<td>The use of CO2-angiography and vessel navigator technology decreases</td>
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<td>iodinated contrast medium amount during FEVAR</td>
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<td><em>A. Vacirca</em></td>
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<td>13:20 – 13:25</td>
<td>Preliminary results of expanding indications for treatment with standard</td>
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<td>EVAR in patients with challenging anatomies, a multi-centric prospective</td>
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<td>evaluation (EXTREME) study</td>
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<td><em>P. Sirignano</em></td>
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<td>13:25 – 13:30</td>
<td>3D aortic model to facilitate urgent endovascular treatment of para-visceral</td>
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<td>aortic pathologies using physician-modified stent-grafts</td>
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<td><em>D. Branzan</em></td>
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<td>pathology in the United States</td>
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<td><em>J. Stern</em></td>
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<td>13:35 – 13:45</td>
<td>Discussion</td>
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Join us for brunch, served from 08:45am until 11:00am

Critical issues and pioneering solutions in aortic endografting

* with Martin Austermann live from Münster

**Moderator:** M. Malina

**Panel:** M. van Sambeek, T. Larzon, O. Richter, F. Veith

- Treatment of ruptured aortic aneurysms — surgery vs. EVAR  
  M. van Sambeek

- Why the randomized trials comparing EVAR with open repair for ruptured AAAs are misleading and not generally applicable  
  F. Veith

- With adjuncts (Chimney grafts and Onyx) 100% of RAAAs can be treated by EVAR with low 30-day mortality and turn down rate  
  T. Larzon

- R-EVAR is it feasible, how to deal with abdominal compartmental syndrome, pros and cons  
  M. Ismail

- Leaking huge AAA and bilateral iliac aneurysms. How vascular plugs help to save life during emergency EVAR  
  M. Haggag

- Physician modified endograft (PMEG) for EVAR  
  T. Lee

- Urgent endovascular treatment of left uretero-iliac fistula in patient with radical cystectomy and ileal conduit urinary diversion  
  S. Estebanez

- An expansion of EVAR by EVAS: a possibility in emergencies  
  M. Terzibaschian

- Management of infected aneurysms and grafts  
  O. Richter

- A successful treatment of an infected saccular aortic aneurysm (PAU) by Chimney-EVAS: Case report  
  S. Goulas

- Tips and tricks for obtaining supraceliac aortic control with EVAR for ruptured AAAs: it is not simple  
  F. Veith

- Trouble shooting and bail-out in FEVAR/BEVAR  
  E. Verhoeven

- Nobilizing the chEVAR experience through standardization; How a standard approach improves patient outcomes  
  P. Holt

- Emergent use of an arch branch device to treat an ascending aortic rupture with use of a branch-to-branch through-and-through wire  
  A. Eleshra
Join us for brunch, served from 08:45am until 11:00am

09:00 – 13:00  “Great saves and big disasters” –
Review of challenging cases and complications
with Andrej Schmidt live from Leipzig
Moderator: G. Biamino
Panel: K. Amendt, H. Krankenberg, D.-D. Do

Announcement of the winners of the LINC 2019 poster award
Endovascular treatment of a tracheo-carotid artery fistula (TCAF) through a
covered stent placement in the common carotid artery (CCA)  M. A. Ruffino
Massive bleeding through tracheostomy site controlled by double
and parallel covered stent insertion  I. Casella
The most severe distal emboli of endovascular treatment for iliac and
superficial femoral artery we experienced  K. Fukai
Electronic posters will be displayed from 08:00 – 18:00 in front of Main arena 1

13:00 – 14:45  Moderated poster round in front of Main arena 1

Jurors: H. Jalaie, S. Black

Challenging cases: iliac, venous

13:00 – 13:05  The challenging procedure of complex AIOD with newly iliac covered stent  
M. Fujihara

13:05 – 13:10  Successful endovascular treatment of a rigid patient with Leriche syndrome  
B.-H. Jong

13:10 – 13:15  Successful hybrid revascularisation in TASC D AIOD aortic occlusion plus bilateral iliac artery occlusion by applying CERAB concept  
J. Cheewinmethasiri

13:15 – 13:20  Primary stenting for chronically occluded abdominal aorta in a high-risk patient  
M. Voos Budal Arins

N. M. Coraizaca Chicaiza

13:25 – 13:30  “Crush Stenting” a new approach to treat occluded iliac stent  
M. Ben Mrad

13:30 – 13:35  Endovascular treatment of a iatrogenic iliac arteriovenous fistula  
G. D’Arrigo

13:35 – 13:40  Compression of the left common iliac vein by the right common iliac artery at the end of gestation  
J. Silva

13:40 – 13:45  Successful single session treatment of massive left-side iliofemoral deep vein thrombosis in May-Thurner syndrome  
J.-W. Lee

13:45 – 13:50  Popliteal vein compression .... is it a main cause of DVT?  
M. Nagib

13:50 – 13:55  Stenosis of the brachiocephalic vein and percutaneous thoracic thrombectomy with Thrombectomy system— case report  
E. Swiecka

13:55 – 14:00  Giant femoral artery pseudoaneurysm associated with arteriovenous fistula following shotgun injury with multiple complications  
A. Sarookhani

14:00 – 14:05  Endovascular recanalisation of extensive chronic total femoro-ilio-caval occlusion in a persistent bilateral venous ulcers  
O. Mahmoud

14:05 – 14:10  Combined role of endovenous laser ablation, inj.ethanol embolisation & foam sclerotherapy in the treatment of congenital venous malformations (K-T Syndrome) cases  
M. Tarte

14:10 – 14:15  Early results of venous stenting when there are no healthy landing zones in thrombophilic patient  
A. Elnaggar

14:15 – 14:20  May Thurner syndrome and left labial varices  
N. Algharem

14:20 – 14:25  The role of 3D venous angiography and IVUS in diagnostic and treatment decision in May-Thurner syndrome  
S. Franco

14:25 – 14:30  Sudden rapid progressive venous gangrene in upper limb with 2 years well functioning AV access  
E. Elashaal

14:30 – 14:35  Endovascular treatment of post thrombotic syndrome in the left inferior vena cava  
I. Tavares

14:35 – 14:40  A successful intervention for venous thrombosis and pulmonary embolization with anti-thrombin deficiency  
H. Miyashita

14:40 – 14:45  Iliofemoral venous stenting for patients with chronic post-thrombotic venous occlusive disease  
A. Salem
Electronic posters will be displayed from 08:00 – 18:00 in front of Main arena 1

15:00 – 16:35 Moderated poster round in front of Main arena 1
Jurors: R. Jones, R. de Graaf

Original research: AV-access, iliac, venous, and miscellaneous

15:00 – 15:05 Safety and efficacy of covered endovascular reconstruction of the aortic bifurcation (CERAB) technique for complex aortoiliac occlusive disease: a single center experience S. Molinaro

15:05 – 15:10 Time differentiation based image enhancement algorithms for kinetic imaging D. Szollosi

15:10 – 15:15 6-month result from a double-blinded randomised control trial for DCB vs. plain balloon angioplasty for dysfunctional vascular access Y. C. S. Pang

15:15 – 15:20 Longevity and infection free survival of permicath M. Ismail


15:30 – 15:35 Catheter directed thrombolysis for obstructive venous stomal outflow M. Franchin

15:35 – 15:40 Long term follow up after endovenous thermal ablation and open surgery of varicose veins B. Cucuruz

15:40 – 15:45 12-month clinical outcome of a novel rheolytic directional thrombectomy technique for patients with iliofemoral deep vein thrombosis T. Sebastian

15:45 – 15:50 Chronic post-thrombotic syndrome – can direct CTV be helpful in predicting inflow for venous reconstruction? A. Coelho

15:50 – 15:55 Popliteal vein entrapment as the cause of varicose veins A. Senol

15:55 – 16:00 Catheter directed thrombolysis as a primary choice in the management of acute iliofemoral deep venous thrombosis A. Salem

16:00 – 16:05 Comparative study between conventional surgery and radiofrequency ablation in treatment of varicose vein M. Ismail

16:05 – 16:10 Surfacer system post-market, international registry demonstrates safe and effective performance T. Steinke

16:10 – 16:15 Endovascular management of arteriovenous malformation: Tips & tricks H. Sharafeldin

16:15 – 16:20 Early results of a randomised clinical trial of mechanochemical ablation vs. cyanoacrylate adhesive for the treatment of varicose veins (MOCCA) A. Belramman

16:20 – 16:25 Novel compliant stent with specific design for truncular venous malformations: results of a porcine model study P. Veroux

16:25 – 16:30 Thrombectomy devices in the treatment of massive acute pulmonary embolism: initial single center experience with aspirex and novel technique through jugular access B. Freitas
Electronic posters will be displayed from 08:00 – 18:00 in front of Main arena 1

**Moderated poster round in front of Main arena 1**

**Jurors:** S. Nikol, P. Huppert

**Original research: PVD**

09:00 – 09:05  The impact of BMI on mid-term clinical and limb outcome in patients with peripheral artery disease after endovascular treatment  
*H. Won*

09:05 – 09:10  2-year outcomes of orbital atherectomy treatment in symptomatic peripheral artery disease patients: sub-analysis of the LIBERTY 360 study  
*G. Adams*

09:10 – 09:15  The impact of calcium score of femoropopliteal artery after endovascular treatment  
*T. Tokuda*

09:15 – 09:20  Clinical impact of ankle-brachial index improvement after endovascular therapy for peripheral arterial disease  
*T. Katsuki*

09:20 – 09:25  Beyond tip stiffness: flexural rigidity distributions of guidewires and specialty devices  
*M. Brouillette*

09:25 – 09:30  VITAE registry: vascular access Indigo CatD Thrombo Aspiration registry  
*M. A. Ruffino*

09:30 – 09:35  Mechanical thrombectomy with ANGIOJET system in patients with lower limb bypass occlusion  
*I. Domínguez*

09:35 – 09:40  New scoring model to assess lesions involving the common femoral artery: its relation to the stage of ischemia and revascularisation method  
*A. Baryshnikov*

09:40 – 09:45  Retrograde use of the outback re-entry catheter in complex infrainguinal arterial recanalisation  
*L. Patrone*

09:45 – 09:50  Impaired glucose tolerance is associated with severity of peripheral artery disease  
*M. M. Can*

09:50 – 09:55  Aspiration thrombectomy for acute limb ischemia: a single center experience  
*S. Molinaro*

09:55 – 10:00  Routine vs. selective completion angiogram after thrombo-embolectomy in the management of acute lower limb ischemia  
*A. Elsafie*

10:00 – 10:05  Non-ambulatory state among hemodialysis patients is associates with mortality and lower limb events: Insights from PREDICT study  
*T. Sakai*

10:05 – 10:10  Relationship between FeDCLIP score and patency in PAD patients by using DES or BMS with Cilostazol for femoropopliteal lesions  
*T. Mochidome*

10:10 – 10:15  Can a single centre conduct a clinical trial in lower limb endovascular intervention?  
*C. Wang*

10:15 – 10:20  Platelet function in patients undergoing peripheral angioplasty  
*G. Borowski*

10:20 – 10:25  Short-term outcomes of supervised exercise training in patients with peripheral artery disease and intermittent claudication  
*D. Kretzschmar*

10:25 – 10:30  Acute limb ischemia in patients with neoplastic disease  
*A. Argyriou*
Electrical posters will be displayed from 08:00 – 18:00 in front of Main arena 1

11:00 – 11:35  Moderated poster round in front of Main arena 1  
Jurors: J. Mustapha, M. Menard  
Original research and challenging cases: BTK, CLI

11:00 – 11:10  Further risk stratification by systemic factors in WIfI (Wound, Ischemia, and foot Infection classification system) stage 4 but not in stage 1–3 in chronic limb-threatening ischemia  
Y. Hata

11:05 – 11:15  Critical Limb Ischemia. 4 years of limb salvage in Hospital México, San José, Costa Rica  
J. Chavarría

11:10 – 11:20  Impact of full-cover stenting in femoropopliteal lesions on time to wound healing in patients with critical limb ischemia  
T. Shimada

11:15 – 11:25  Challenging below-the-knee occlusive disease – tackled with SAFARI, CART, and finally DES  
J. Chua

11:20 – 11:30  Posterior tibial vein arterialization for salvage of critical ischemic threatened limb  
A. Elnaggar

11:25 – 11:35  Using novel, reinforced, metal-tipped microcatheter for crossing multiple challenging infrapopliteal CTOs  
E. Ivan

11:30 – 11:40  Rare case of very young critical limbs ischemia  
K. Tobita
**Moderated poster round in front of Main arena 1**

*Jurors: G. Biamino, D.-D. Do*

**Challenging cases: PVD, SFA**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 13:00 – 13:05 | Stent-graft treatment of iliac artery perforations  
S. Papoyan                                                                                           |
| 13:05 – 13:10 | Distal embolization at the below knee and common femoral artery.  
C. Martinez                                                                                     |
| 13:10 – 13:15 | Revascularisation of concomitant external iliac and superficial femoral artery occlusion in the same session  
S. Öztürk                                                                                       |
| 13:15 – 13:20 | Endovascular treatment of popliteal thrombosis secondary to supera stent fracture  
L. Fidalgo Domingos                                                                                         |
| 13:20 – 13:25 | Creation and management of AVF during complex peripheral revascularisation  
C. Martinez                                                                                       |
Y. S. Yoo                                                                                       |
| 13:30 – 13:35 | Untraditional management of iatrogenic AVF of the popliteal and infra popliteal vessels  
M. Shehata                                                                                       |
| 13:35 – 13:40 | Common femoral artery percutaneous angioplasty with drug eluting balloon for closure device induced stenosis  
A. Kerzmann                                                                                       |
| 13:40 – 13:45 | Retrograde recanalization of distal SFA total occlusion through an occluded femoro-popliteal autovenous bypass  
D. Nikolov                                                                                       |
B. Freitas                                                                                       |
| 13:50 – 13:55 | Arterial spasm could be a cause of Burger disease  
H. Araki                                                                                           |
| 13:55 – 14:00 | The triple aim? A case of multiple simultaneous arterial and venous thrombi  
E. Ivan                                                                                           |
| 14:00 – 14:05 | Severe bilateral upper extremities ischemia: think ergotism  
J. Miara Lopez                                                                                     |
| 14:05 – 14:10 | Hybrid technique for management of acute upper limb ischemia post radiation  
M. Shehata                                                                                       |
| 14:10 – 14:15 | A successful case of catheter-directed thrombolysis and staged stenting in a super-elderly patient with acute limb ischemia complicated with CKD  
T. Kido                                                                                           |
| 14:15 – 14:20 | The appearance of a new lesion, which is not predictable by pre-procedural angiography, distal to the implanted stent in the stenting of the lesion in the POPA  
J. Kikuchi                                                                                       |
| 14:20 – 14:25 | A case with blunt occlusive traumatic injury in the popliteal artery who underwent successful revascularisation using stent graft and distal puncture  
M. Kimura                                                                                         |
| 14:25 – 14:30 | Spot stenting in patients with critical limb ischemia: Clinical experience from a Polish perspective  
R. Proczka                                                                                       |
### Electronic posters will be displayed from 08:00 – 18:00 in front of Main arena 1

#### Wed, 23 January 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 15:00 – 15:05 | Impact of prolonged inflation times during plain balloon angioplasty on angiographic dissection in femoropopliteal lesions  
  **K. Horie** |
| 15:05 – 15:10 | Outcomes of atherectomy combined drug-coated balloons vs. atherectomy combined with plain balloons in femoropopliteal artery disease  
  **Y.-G. Ko** |
| 15:10 – 15:15 | Comparison of ante- vs. retrograde access for the endovascular treatment of long and calcified femoropopliteal occlusive lesions  
  **S. Giusca** |
| 15:15 – 15:20 | The Australian experience of a self-expanding nitinol stent over 24-month  
  **C. Wang** |
| 15:20 – 15:25 | Treatment of flush superficial femoral artery occlusion with ipsilateral antegrade common femoral artery access  
  **A. Aborahma** |
  **K. Deloose** |
| 15:30 – 15:35 | Efficacy of drug-eluting stents ELUVIA in treatment of high grade of femoropopliteal lesions  
  **A. Pellegrin** |
| 15:35 – 15:40 | Retrograde approach for challenging occlusions of the superficial femoral artery  
  **A. Aborahma** |
| 15:40 – 15:45 | Comparison of clinical outcome between patient with and without hemodialysis following endovascular treatment with Heparin-Bonded covered stent  
  **H. Miyashita** |
| 15:45 – 15:50 | Endovascular treatment of long superficial femoral artery-chronic total occlusions using a Gogo catheter with IVUS via a popliteal puncture (GIP) method is effective, safe, and useful  
  **S. Nakamura** |
| 15:50 – 15:55 | Popliteal Artery Entrapment syndrome, a clinical analysis of 12 cases  
  **Y. Hao** |
| 15:55 – 16:00 | Long term follow-up of the endovascular treatment of stenotic and/or occlusive femoral arterial lesions  
  **G. Varetto** |
**SCIENTIFIC POSTERS**

**Electronic posters will be displayed from 08:00 – 18:00 in front of Main arena 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td><strong>Moderated poster round in front of Main arena 1</strong></td>
</tr>
<tr>
<td>09:00</td>
<td>Jurors: M. van Sambeek, N. Mosquera</td>
</tr>
<tr>
<td>09:00</td>
<td><strong>Challenging cases: EVAR (part 1)</strong></td>
</tr>
<tr>
<td>09:00</td>
<td>Type 3B endoleak following TEVAR for mycotic aneurysm</td>
</tr>
<tr>
<td>09:05</td>
<td>S. Chulsky</td>
</tr>
<tr>
<td>09:05</td>
<td>Rupture of thoracoabdominal aneurysm between two-staged endovascular repair</td>
</tr>
<tr>
<td>09:10</td>
<td>V. E. Garcia Blanco</td>
</tr>
<tr>
<td>09:10</td>
<td>Endovascular repair of a challenging isolated right common iliac artery aneurysm</td>
</tr>
<tr>
<td>09:15</td>
<td>a new modified technique</td>
</tr>
<tr>
<td>09:15</td>
<td>A. Farghaly</td>
</tr>
<tr>
<td>09:20</td>
<td>Endovascular aortic repair in a patient with giant abdominal aortic aneurysm and high risk of</td>
</tr>
<tr>
<td>09:20</td>
<td>endoleak I</td>
</tr>
<tr>
<td>09:25</td>
<td>K. Zvereva</td>
</tr>
<tr>
<td>09:20</td>
<td>IBD experience in multiple bilateral iliac artery aneurysms combined with small AAA</td>
</tr>
<tr>
<td>09:25</td>
<td>D. Hwang</td>
</tr>
<tr>
<td>09:30</td>
<td>Bending the rules can lead to leg pain, a case of ALI after EVAR</td>
</tr>
<tr>
<td>09:30</td>
<td>P. E. Samonte</td>
</tr>
<tr>
<td>09:35</td>
<td>Open repair for abdominal aortic aneurysm rupture post Type II endoleak</td>
</tr>
<tr>
<td>09:35</td>
<td>C. Wang</td>
</tr>
<tr>
<td>09:40</td>
<td>Combined TEVAR and EVAR to treat thoracic Type I B endoleak and infrarenal AAA</td>
</tr>
<tr>
<td>09:40</td>
<td>N. Elaskary</td>
</tr>
<tr>
<td>09:45</td>
<td>Internal carotid artery preocclusive stenosis, large PAU of zone 2 of the arch and AAA:</td>
</tr>
<tr>
<td>09:45</td>
<td>is simultaneous endovascular procedure feasible?</td>
</tr>
<tr>
<td>09:45</td>
<td>M. Zamboni</td>
</tr>
</tbody>
</table>
Electronic posters will be displayed from 08:00 – 18:00 in front of Main arena 1

11:00 – 12:15  
**Moderated poster round in front of Main arena 1**  
*Juror: T. Larzon, R. Chiesa*

**Challenging cases: EVAR (part II)**

11:00 – 11:05  
A successful EVT to abdominal aortic stenosis with severe calcification  
*S. Tsuda*

11:05 – 11:10  
Bilateral common and internal iliac artery aneurysms treated with Amplatzer vascular plug  
*C. Anastasiadou*

11:10 – 11:15  
Tips and tricks in ChEVAR, steps for successful outcome  
*S. Koussayer*

11:15 – 11:20  
Case report of testicular ischemia post EVAR  
*M. Ismail*

11:20 – 11:25  
Saving inferior mesenteric artery with parallel stent grafts  
*V. Cvetic*

11:25 – 11:30  
A ruptured case of post EVAR endoleak Type 5 or 2? Sometimes it is very hard to tell  
*G. Eldem*

11:30 – 11:35  
Multiple Type III B endoleaks in a fourth generation graft  
*C. Wang*

11:35 – 11:40  
Treatment of common iliac aneurism with afx endologix fenestrate prosthesis for internal iliaca arteria and stent solaris: case report  
*A. Moraes*

11:40 – 11:45  
TEVAR in young patient with precoarctation and acute aortic dissection: 1-year follow-up  
*D. Chernova*

11:45 – 11:50  
The versatility of AFX endograft in treatment of aorto-iliac occlusive disease secondary to Type B dissection  
*C. Wang*

11:50 – 11:55  
Successful endovascular repair of a severe perivisceral penetrating aortic ulcer  
*M. Erb*

11:55 – 12:00  
EVAR explantation for endotension and impending rupture 4 years post EVAR with Aorfix  
*A. Bakr*

12:00 – 12:05  
Treatment of endoleak Type 1 A with use of endoanchors in endoprothesis incraft cordis: case report  
*A. Moraes*

12:05 – 12:10  
PETTICOAT in Marfan patient and permanent anticoagulation – immediate results and controversy  
*N. Zherdev*

12:10 – 12:15  
Early rupture post FEVAR secondary to a Type II endoleak  
*C. Wang*
## SCIENTIFIC POSTERS

**Thursday, 24 January 2019**

**Electronic posters will be displayed from 08:00 – 18:00 in front of Main arena 1**

### 13:00 – 14:00

**Moderated poster round in front of Main arena 1**  
*Jurors: S. Trimarchi, F. Verzini*

**Original research: EVAR**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00 – 13:05</td>
<td>Renal function in endovascular aneurysm sealing repair: a retrospective analysis</td>
<td>F. Iqbal</td>
</tr>
<tr>
<td>13:10 – 13:15</td>
<td>Adjuncts to suture-based vascular closure devices increase successful femoral closure rate in percutaneous Endovascular Aneurysm Repair (pEVAR)</td>
<td>S. Theivacumar</td>
</tr>
<tr>
<td>13:20 – 13:25</td>
<td>Results of standard endovascular aneurysm repair (EVAR) for ruptured very short neck abdominal aortic aneurysms (AAAs)</td>
<td>A. Suesawatee</td>
</tr>
<tr>
<td>13:30 – 13:35</td>
<td>Geometric &amp; hemodynamic analysis of fenestrated and multibranched aortic endografts</td>
<td>L. Fidalgo Domingos</td>
</tr>
<tr>
<td>13:35 – 13:40</td>
<td>Retrospective analysis of the effect of fibrinogen level on outcomes in abdominal aortic aneurysm repair</td>
<td>M. O'Sullivan</td>
</tr>
<tr>
<td>13:40 – 13:45</td>
<td>Outcomes of percutaneous endovascular repair of thoracic and thoraco-abdominal aneurysms with larger introducers and in patients with previous open or percutaneous accesses</td>
<td>A. Melloni</td>
</tr>
<tr>
<td>13:45 – 13:50</td>
<td>Selective vs. routine preoperative coronary computerized tomography angiography for patients undergoing thoracoabdominal aortic aneurysm open repair</td>
<td>V. Ardita</td>
</tr>
<tr>
<td>13:50 – 13:55</td>
<td>Renal function after open repair of proximal abdominal aneurysms analyzed according to different vessels revascularisation technique</td>
<td>A. Grandi</td>
</tr>
<tr>
<td>13:55 – 14:00</td>
<td>Different approach to the treatment of complex aortic arch aneurysms – TEVAR with or without open great vessel debranching</td>
<td>P. Szopiński</td>
</tr>
</tbody>
</table>
Electronic posters will be displayed from 08:00 – 18:00 in front of Main arena 1

14:30 – 16:10  Moderated poster round in front of Main arena 1
Jurors: R. Langhoff, S. Bartus

Original research und challenging cases: Carotid, embolization, visceral

14:30 – 14:35  Endovascular treatment of a superior mesenteric artery dissecting aneurism
A. Grandi

14:35 – 14:40  Carotid artery stenting for near occlusion with full collapse: 30-day and long-term outcome
K. Takayama

14:40 – 14:45  Early and midterm comparative results of CAS with two dual layer stents – The CGuard™ and the Roadsaver stents
S. Molinaro

14:45 – 14:50  Long-term result of endovascular treatment for in-stent restenosis after carotid artery stenting
K. Takayama

14:50 – 14:55  Complete occlusion of a bullet injury induced subclavian artery to brachiocephalic vein fistula by a self-expanding stent graft
S. Maqbool

14:55 – 15:00  A rare case of vagus nerve tumour as a neck swelling
M. Selim

15:00 – 15:05  CTO of left subclavian artery – longitudinal stent deformation after postdilatation
V. Kovacevic

15:05 – 15:10  Simultaneous bilateral carotid artery stenting
C. Anastasiadou

15:10 – 15:15  Embolotherapy of peripheral vascular malformation using ethylene vinyl alcohol (ONYX): Clinical efficacy and patient satisfaction outcomes
P. Tirukonda

15:15 – 15:20  Embolosclerotherapy or surgical treatment of extracranial congenital vascular malformation: The puzzle of sequence
M. Soliman

15:20 – 15:25  Embolization of pseudoaneurysm through not covered stent
E. Herrero

15:25 – 15:30  Sclerotherapy of lymphangioma in children: report of 3 cases
S. Nagib

15:30 – 15:35  Effective percutaneous treatment of acutely symptomatic mediastinal cyst by aspiration and ethanol sclerotherapy
M. Singh

15:35 – 15:40  Endovascular treatment for spontaneous retroperitoneal hematoma: case reports and literature review
B. Marinelli Teixeira

15:40 – 15:45  Unusual complication of inferior mesenteric artery embolization for Type 2 endoleak
A. Kerzmann

15:45 – 15:50  Endovascular intervention for stenosis superior mesenteric artery
M. R. Junier Pascioli

15:50 – 15:55  A case report of gastroduodenal artery aneurysm
M. Ismail

15:55 – 16:00  Coil migration during left gastric artery saccular aneurysm embolization, diagnostic and successful complication treatment
R. Santos

16:00 – 16:05  Endovascular treatment of visceral aneurysms with hydrogel coils in 2 cases
S. Franco

16:05 – 16:10  Resuscitative endovascular balloon occlusion of the aorta as an adjunct for hemorrhagic shock due to splenic injury
S. Prasertcharoensuk
Floor plan, hall 2

Exhibitors:
3  Abbott Vascular
5a  Acotec
31  ALN
19c  Alvimedica
5b  Andanza
19b  Andramed
10c  Angiodroid
35  APT Medical
10d  Asahi Intecc
20b  B. Braun Melsungen
10a  Balton
7a  BD
12b  Bentley
14a  Biotronik
17  Boston Scientific
6a  BTG
7b  Cardionovum
46  Control-Distal-Transit
8  Cook Medical
43  CX 2019/Vascular News
6d  Cordis
33  Deutsche Akademie für Mikrotherapie
11a  Endologix
20c  Future meeting table/LINC lounge
18c1  genae
13b  Getinge
2  Gore & Associates
16d2  InspireMD
41  Intact Vascular
7c  iVascular/Endoscout
12a  Joline
18a  JOTEC/CRYOLIFE
45  Laminate
16c  Lifetech
30  Lombard Medical
44  LSO Medical
18c2  Medicor
4  Medtronic
9  Medtronic
42  Meril Life Sciences
15d  Merit Medical
20a  Optimed
18d1  OrbusNeich
16d1  Oscur
6c  Penumbra
13a  Philips Volcano
34  Profusa
16a1  QualiMed
16b  Ra Medical Systems
6b  Rontis
36  SCITECH
15a  ShockWave Medical
18b  Siemens
11b  Straub Medical
16a2  Teleflex
19a  Terumo Interventional Systems
32  Tokai Medical
5c  VascuScience
15b  Voryan
15c  Vivasure Medical
48  wisepress
(in Entrance Hall East)
10b  Ziehm Imaging
47  Zylox Medical

Table top exhibitors:
TT3  Andratec
TT6  Cydar
TT1  Endovascular Today
TT9  Minerva Medica
TT11  Möller Medical
TT4  PQ Bypass
TT2  RenalGuard
TT8  SITE
TT10  Sonotechnik
TT5  Venturemed
TT7  VIVA
TT12  Walk Vascular

Faculty:
C1  Faculty lounge
C2  Speaker ready room
C3  CongO office
At LINC 2019 we offer our participants a shuttle service to and from the Messe Leipzig.

Bus shuttles will be leaving every morning.
- Tuesday at 07:00am
- Wednesday at 07:15am
- Thursday at 07:15am
- Friday at 08:20am

in front of the following hotels:
- Adina Apartment Hotel Leipzig
- Balance Hotel Leipzig Alte Messe
- Book Hotel Leipzig
- H+ Hotel Leipzig
- H4-Hotel Leipzig
- Hotel Fürstenhof
- Hotel Michaelis
- Innside by Melia
- InterCityHotel
- LOGiNN by ACHAT Leipzig
- Marriott Hotel Leipzig
- Mercure Hotel Art Leipzig
- Mercure Hotel Leipzig Am Johannisplatz
- NH Hotel Leipzig Messe
- Pentahotel Leipzig
- Radisson Blu Hotel
- Sachsenpark-Hotel
- Seaside Park Hotel
- Steigenberger Grandhotel
- The Westin Hotel
- Victor’s Residenz-Hotel

Shuttles for the return trip will be available after the last session of each day has adjourned (approx. 18:00).

Transit to and from the Congress Center:

From the city center:
- **Tramway**: Tramway 16 leaves every 10 minutes from the central train station to the Trade Fair Leipzig (last stop: „Messegelände“). This ride will take 19 minutes. There will be shuttle buses from the tramway stop to the entrance east.
- **Train**: Every 5–15 minutes (depending on time of day, please check schedule) a train leaves from the central station to „Leipzig Messe“. The ride will take 6 minutes. From the stop to entrance east you can either walk (approx. 20 minutes) or take tramway 16.

From the airport:
- The airport express (train) leaves every 30 minutes and will bring you to the „Leipzig—Neue Messe“. From the stop to entrance east you can either walk (approx. 20 minutes) or take tramway 16.
Save the date!

LINC 2020 will take place on 28–31 January 2020.
Industry support

We would like to sincerely thank the following companies for their generous support of LINC 2019.

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CX 2019/Vascular News  www.vascularnews.com
Cydar Medical  www.cydarmedical.com
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Edizioni Minerva Medica  www.minervamedica.it
Endologix  www.endologix.com
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genae  www.genae.com
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Intact Vascular  www.IntactVascular.com
iVascular  www.ivascular.global
Joline  www.joline.de
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Lifetech  www.lifetechmed.com/en
LimFlow  www.limflow.com
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Merit Medical  www.merit.com
Möller Medical  www.moeller-medical.com
optimed  www.opti-med.de
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Philips  www.philips.com
PQ Bypass  www.PQBypass.com
Profusa  www.profusa.com
QualiMed  www.qualimed.de
Ra Medical Systems  www.ramed.com
RenalGuard  www.renalg uard.com
Rontis  www.rontis.com
SCITECH  www.scitechmed.com/home-en
ShockWave Medical  www.shockwavemedical.com
Siemens  www.healthcare.siemens.com
SITE  www.sitesymposium.com
SOT Medical Systems  www.sot-medical.com
Straub Medical  www.straubmedical.com
Teleflex
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Terumo Interventional Systems  www.terumois.com
Tokai Medical  www.tokaimedpro.co.jp
VascuScience  www.vascus cience.com
VentureMed  www.flexvesselprep.com
Veryan  www.veryanmed.com
VIVA  www.vivaphysicians.org
Vivasure Medical  www.vivasuremedic al.com
Walk Vascular  www.walkvascular.com
Ziehm Imaging  www.ziehm.com
Zylox Medical  www.zyloxmedical.com
The venue

Trade Fair Leipzig, Hall 2
Messe Allee 1
04356 Leipzig, Germany

www.leipziger-messe.de

Congress organisation

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