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**
13–14 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
- 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 Lithoplasty 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 recanalizations: Indication, techniques and outcome
- Endoluminal treatment of varicous veins
- Interventional procedures in failed hemodialysis access
- 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.

The new LINC app will be available for download in the app store shortly before the course starts.
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
• 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

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.
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, and can be reached via entrance hall east. Please follow the signs in entrance hall east.

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
Special offer with Lufthansa – discounted travel for LINC 2019 attendees. Lufthansa German Airlines offers a comprehensive global route network, linking Leipzig with major cities around the world.
To make a reservation, please click on https://www.lufthansa.com/de/en/meetings-and-events-delegates and enter the access code DEZQMRO in the "Access to Your Special Lufthansa Offer" area.

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.
Beginning of January 2019 you will have the opportunity to make table reservations at:

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 online and onsite 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  

**INVITED FACULTY**

Please visit our website for current faculty list under:  
[www.leipzig-interventional-course.com/faculty/faculty-list/](http://www.leipzig-interventional-course.com/faculty/faculty-list/)

**ASSOCIATED FACULTY**

Please visit our website for current faculty list under:  
[www.leipzig-interventional-course.com/faculty/faculty-list/](http://www.leipzig-interventional-course.com/faculty/faculty-list/)
Symposium: Keep on walking: Steps towards successful PAD treatment supported with an educational grant from Abbott Vascular

Moderator: D. Scheinert

08:00 – 09:30

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*

- **09:30 – 09:35** Introduction and learning objectives
- **09:35 – 09:49** Next generation pan-vascular suite: optimizing patient management and outcomes  
  *C. Peña*
- **09:49 – 09:57** Perfusion angiography for optimizing planning and treatment of the diabetic foot  
  *J. Reekers*
- **09:57 – 10:17** BTK recorded case presentation  
  *M. Manzi*
- **10:17 – 10:25** Role of IVUS within a “treat optimally” algorithm of care  
  *F. Fanelli*
- **10:25 – 10:35** Innovations at the forefront: a glance at the future of image guided therapy  
  *M. Izamis*
- **10:35 – 10:55** Live case transmission from Leipzig
- **10:55 – 11:00** Q&A and conclusion

**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*

- **11:00 – 11:10** Risk of death following application of Paclitaxel-coated balloons and stents in the femoropopliteal artery – Findings from a metaanalysis of RCTs  
  *K. Katsanos*
- **11:10 – 11:16** A look into the methods: merits and limits of meta-analysis  
  *TBD*
- **11:16 – 11:22** Toxicological aspects and safety profile of Paclitaxel  
  *J. Granada*
- **11:22 – 11:28** Event adjudication in clinical trials: how does it work?  
  *M. van Sambeek*
- **11:28 – 11:33** Patient level data from major clinical trial programmes with drug-eluting devices
- **11:33 – 11:38** DCBs over the long-term: Are they safe for our PAD patients? – Insights from the IN.PACT™ DCB programme  
  *P. Schneider*
- **11:38 – 11:43** Long-term safety data of the Lutonix DCB formulation  
  *D. Scheinert*
- **11:43 – 11:48** Long-term safety data from the Stellarex DCB programme  
  *S. Lyden*
- **11:48 – 11:53** Long-term safety information on Paclitaxel eluting stents – Insights from the Zilver PTX programme  
  *M. Dake*
- **11:53 – 12:00** Patient safety in the Eluvia-DES and Ranger DCB programme  
  *W. Gray*
- **12:00 – 12:15** How to proceed to generate more evidence on patient safety with drug-eluting devices?  
  *P. Schneider*
- **12:00 – 12:15** Podium discussion
### ROOM 1 – MAIN ARENA 1

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

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 12:15  | “To stent or not to stent?” – Latest data on stentless and stent-based treatment approaches for femoropopliteal lesions  
**Moderators:** D. Scheinert, W. Gray  
**Panel:** O. Iida, G. Tepe, H. Yokoi  
**Focus on new data on drug-coated balloons** |
| 12:15  | First time data release: Randomized trial of DCB vs. PTA: Final 3-year clinical outcomes from IN.PACT™ Japan O. Iida |
| 12:20  | First time data release: Insights from the IN.PACT™ global study 3-year data:  
Does lesion complexity affect results? J. van den Berg |
| 12:25  | First time data release: Global diabetic analyses of all Lutonix DCB SFA combined trials K. Deloose |
| 12:30  | First time data release: COMPARE-Pilot RCT: 2-year results of a randomized comparison of RANGER DCB vs. IN.PACT DCB in complex SFA lesions S. Steiner |
| 12:35  | First time data release: IN.PACT™ Global study 3-year outcomes for stented vs. non-stented lesions T. Zeller |
| 12:40  | First time data release: Real-world experience with a paclitaxel-coated balloon for the treatment of atherosclerotic infrainguinal arteries: 24-months results of the BIOLUX P-III full cohort G. Tepe |
| 12:45  | First time data release: DCB in severe Calcium: Core-laboratory analysis and perspectives  
from the ILLUMINATE trial series S. Lyden |
| 12:50  | First time data release: Stellarex in real world: Interim look from the SAVER registry F. Vermassen |
| 12:55  | First time data release: Final 12-months results of the Zilverpass-RCT of Zilver PTX vs. bypass M. Bosiers |
| 13:00  | TOBA II Trial (Lutonix or POBA + Tack) – 1-year results W. Gray |
| 13:05  | First time data release: Diabetic patients treated in the IMPERIAL randomized trial  
comparing Eluvia and Zilver PTX stents S. Müller-Hülsbeck |
| 13:10  | First time data release: Japanese patients treated in the IMPERIAL randomized trial  
comparing Eluvia and Zilver PTX stents O. Iida |
| 13:15  | First time data release: Zilver PTX Japan 5-year results for paclitaxel-eluting stent treatment  
of femoropopliteal artery disease H. Yokoi |
| 13:20  | The Illumina FIH study with a next generation DES – 12-months results D. Scheinert |
| 13:25  | Discussion and conclusion |
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
Endovascular lessons learned in the last decade: what are the remaining challenges? T. Bisdas
Live case transmission from Leipzig
Long lesions: primary stenting or DCB first? J. Laird
Calcium: The Achilles heel of endovascular? Scaffold or remove before drug delivery? K. Stavroulakis
Live case transmission from New York
Dissections: prevent, minimize, or repair J. van den Berg
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
Welcome and introduction S. Black
VIRTUS: Trial design and primary endpoint results M. Razavi
Panel discussion and questions
Complexities of chronic venous disease M. Lichtenberg
Imaging, it’s central role in planning and guiding intervention L. Izquierdo
VICI VENOUS STENT: Design attributes & patient outcome L. Kabnick
Live case transmission from Galway
Panel discussion and questions
Advanced solutions for complex femoral lesions and critical limb ischemia
Moderators: J. Laird, M. Bosiers
True minimally invasive access strategies for complex peripheral interventions J. van den Berg
Live case transmission from Leipzig
First time data release:
Can Legflow® improve treatment of long femoropopliteal lesions: the REFLOW outcomes M. Bosiers
First time data release:
Total IN.PACT™ 1-year results: Complex lesion outcomes from the IN.PACT™ study series P. Schneider
IN.PACT™ Admiral DCB: a look at long lesion outcomes across trials A. Micari via satellite from Bergamo
From research to practice: how does atherectomy fit in my treatment algorithm G. Korosoglou
Live case transmission from New York
REALITY: Initial experience R. Sachar
Phoenix atherectomy: technique and real-world evidence M. Montero-Baker
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:00 – 09:30</td>
<td><strong>Acute deep vein thrombosis</strong>&lt;br&gt;<strong>Moderators:</strong> R. de Graaf, M. Lichtenberg&lt;br&gt;<strong>Panel:</strong> S. Black, H. Jalaie, O. Hartung, T. Sebastian</td>
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<tr>
<td>08:00 – 08:10</td>
<td>Ascending femoropopliteal DVT without iliac vein involvement: any role for endovascular therapy O. Hartung</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 R. Engelberger via satellite from Zurich</td>
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<td>08:20 – 08:30</td>
<td>The CAVA study H. Jalaie</td>
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<td>08:30 – 08:40</td>
<td>Evidence for endovascular therapy of iliofemoral DVT: CAVENT, ATTRACT, CAVA, uncontrolled studies S. Black</td>
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<tr>
<td>08:40 – 09:10</td>
<td>Anticoagulation therapy following endovascular therapy of iliofemoral DVT T. Sebastian</td>
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<td>09:10 – 09:30</td>
<td>Live case transmission from Zurich</td>
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<td>09:30 – 11:00</td>
<td><strong>Aorto iliac obstructive disease: Endoluminal solutions</strong>&lt;br&gt;partially supported with an educational grant from Gore &amp; Associates&lt;br&gt;<strong>Moderators:</strong> M. Antonello, H. Krankenberg&lt;br&gt;<strong>Panel:</strong> K. Deloose, P. Mwiapatayi, G. de Donato, S. Lyden, F. Vermassen</td>
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<tr>
<td>09:30 – 09:36</td>
<td>Complexity of iliac occlusive disease, current treatment algorithm, and treatment gaps M. Antonello</td>
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<td>09:36 – 09:42</td>
<td>Crossing techniques for complex aortoiliac obstructions – Why is the bi-directional approach the best? A. Schmidt</td>
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<td>09:42 – 09:48</td>
<td>Self-expanding vs. balloon-expandable stents for iliac artery disease: Is either superior? H. Krankenberg</td>
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<td>09:48 – 10:15</td>
<td>Live case transmission from Leipzig</td>
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<td>10:15 – 10:20</td>
<td>The value of covered stents in treatment of complex TASC C and D iliac lesions: the initial experiences with the BELSTREAM study K. Deloose</td>
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<td>10:20 – 10:25</td>
<td>First time data release: The BOLSTER study with the Lifestream covered stent in iliac lesions – 3-year outcomes J. Laird</td>
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<td>10:25 – 10:35</td>
<td>Case discussion: Challenging bilateral iliac case treated with VBX H. Zayed</td>
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<td>10:35 – 10:45</td>
<td>Case discussion: Covered self-expandable endoprosthesis and dual component stent for iliac treatment R. Bellosta</td>
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<tr>
<td>10:45 – 10:55</td>
<td>Case discussion: Aorto iliac case with covered balloon expandable stent G. de Donato</td>
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<tr>
<td>10:55 – 11:00</td>
<td>Discussion and conclusion</td>
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<tr>
<td>11:00 – 12:30</td>
<td><strong>Venous stent placement for post-thrombotic syndrome</strong>&lt;br&gt;<strong>Moderators:</strong> H. Jalaie, S. Black&lt;br&gt;<strong>Panel:</strong> R. Lookstein, M. Razavi, R. Varcoe, O. Schlager</td>
</tr>
<tr>
<td>11:00 – 11:10</td>
<td>VENOVO® venous stent – 12-month update on the Vernacular trial M. Dake</td>
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<tr>
<td>11:10 – 11:25</td>
<td>Live case transmission from Zurich</td>
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<tr>
<td>11:25 – 11:40</td>
<td>Live case transmission from Galway</td>
</tr>
<tr>
<td>11:40 – 11:50</td>
<td>Update on performance of venous stents for PTS patients M. Lichtenberg</td>
</tr>
<tr>
<td>11:50 – 12:00</td>
<td>First time data release: VIRTUS trial: Pivotal cohort 12-month primary safety and efficacy results of the Vici venous stent system M. Razavi</td>
</tr>
<tr>
<td>12:00 – 12:10</td>
<td>IVUS and pressure gradients for PTS treatment: mandatory or fancy? R. de Graaf</td>
</tr>
<tr>
<td>12:10 – 12:20</td>
<td>Live case transmission from Zurich</td>
</tr>
<tr>
<td>12:20 – 12:30</td>
<td>Live case transmission from Galway</td>
</tr>
</tbody>
</table>
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


M. Bosiers

13:13 – 13:25 Summary of symposium discussion and debate

M. Dake

New concepts for AV-shunt revascularisation and central vein stenoses

Moderators: R. Lookstein, J. Swinnen

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

13:41 – 13:47 Effectiveness of stent-grafts for the treatment of central venous disease in haemodialysis patients with functioning arteriovenous (AV) fistulas

R. Jones

13:47 – 14:07 Live case transmission from Galway

First time data release:

14:07 – 14:12 IN.PACT™ AV access drug-coated balloon study: Full baseline characteristics

R. Lookstein

14:12 – 14:17 First time data release:

24-months 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

Recorded case presentation

P. Kitrou

14:36 – 14:41 The Australian experience with AV access

J. Swinnen

Singapore & Taiwan experience with the Lutonix DCB in the AV registry

T. Chong

14:41 – 14:46 First time data release:

4Fr WavelinQ EndoAVF system latest 6-month clinical outcomes

R. Jones

Recorded case presentation

Discussion and conclusion

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

Live case transmission from Bergamo

15:20 – 15:45 My journey with Roadsaver through the last four years

P. Odrowaz-Pieniazek

15:45 – 15:55 Latest experience with dual layer stents in the lower limbs

T. Fuß

Live case transmission from Berlin

15:55 – 16:05 Latest experience with dual layer stents in the lower limbs

T. Fuß

Live case transmission from Berlin

16:05 – 16:30
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
Preliminary programme

**ROOM 3 – TECHNICAL FORUM**

**Tuesday, 22 January 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 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*
| 09:00 – 09:06 | Assessment of carotid plaque morphology using photoacoustic imaging  
                     *M. van Sambeek*
| 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*
| 09:23 – 09:26 | Audience vote
| 09:26 – 09:51 | **Live case transmission from Berlin**
| 09:51 – 09:57 | Carotid interventions – is there a gender difference in outcome?  
                     *M. Storck*
| 09:57 – 10:03 | 40 years of carotid angioplasty – A glance back  
                     *K. Mathias*
| 10:03 – 10:15 | **LINC status update:**  
                     Is carotid stenting largely equivalent to carotid endarterectomy for the majority of patients with significant carotid disease and indication for revascularisation? What are the open questions?  
                     *W. Gray, F. Veith*
| 10:15 – 10:21 | 1-year results of the SCAFFOLD study: GORE PTFE mesh-covered carotid stent  
                     *P. Schneider*
| 10:21 – 10:27 | Parameters affecting the risk of embolization during carotid stenting  
                     *P. Huppert*
| 10:27 – 10:33 | Initial clinical study of the new CGuard™ MicroNet® covered carotid-stent:  
                     One size fits all – experimental data and clinical results  
                     *C. Wissgott*
| 10:33 – 10:39 | Dual layer stents for CAS: all you need to know to avoid acute re-occlusion  
                     *S. Müller-Hülsbeck*
| 10:39 – 10:45 | Proximal protection during CAS: Why is it the superior concept?  
                     *G. Biamino*
| 10:45 – 10:51 | TECAR with proximal flow reversal in symptomatic patients is superior to carotid endarterectomy no matter what kind of stent is used – results of a prospective study which includes DWMRI analysis  
                     *R. Kolvenbach*
| 10:51 – 10:57 | Avoiding and managing complications during CAS – lessons learned  
                     *H. Sievert*
| 10:57 – 11:22 | **Live case transmission from Bergamo**
| 11:22 – 11:30 | Audience vote
| 11:30 – 12:30 | **Focus session: Advances in stroke management**  
                     *Moderators: F. Dorn, H. Henkes*
                     *Panel: S. Duda, M. Psychogios*
| 11:30 – 11:40 | The art of thrombectomy  
                     *H. Henkes*
| 11:40 – 11:50 | Stroke treatment: New data  
                     *F. Dorn*
| 11:50 – 12:00 | Time management in endovascular stroke treatment  
                     *M. Psychogios*
| 12:00 – 12:10 | Credentialing approaches for interventional stroke management  
                     *S. Duda*
| 12:10 – 12:30 | Discussion and conclusion
Tuesday, 22 January 2019 (cont.)

**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
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**
Reliable performance of Advanta V12 in complex aortic cases as a renal stent **E. Verhoeven**
Long-term Münster experience with Advanta V12 and latest in-vitro evidence **G. Torsello**
Discussion and conclusion

**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 presentation:
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**

**Scrub in with the experts: Challenging aortoiliac interventions**

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

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

Flash presentations:
The 15-year evolution of covered stent:
Choosing the best stent for iliac artery disease **P. Mwipatayi**
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 bizzare 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: Z. Milosevic, 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
PTA of aortic arch vessel in patients with Takayasus disease  R. Vijayvergiya
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

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-months 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
10:30 – 12:00

**CLI-Therapies-LINCed**
Multidisciplinary case studies from centres of excellence
Tailored strategies on revascularisation and wound management

*Moderator: S. Kum*

*Panel: Y. Gouëffic, Y. Soga, M. Manzi, R. Ferraresi*

**Managing the infected wound**
- *Case presentation: How do I combine wound care with revascularisation?*
  
  *R. Ferraresi*

- Questions and answers

**Multi-vessel or single vessel revascularisation**
- *Case presentation: Why I chose multi vessel revascularisation*
  
  *Y. Soga*

- Questions and answers

**Simultaneous revascularisation and wound care**
- *Case presentation: Revascularisation and wound care under a nerve block – How to do it*
  
  *S. Kum*

- Questions and answers

**Optimizing the “In-Flow” in CLI**
- *Case presentation: The use of DES in CLI*
  
  *Y. Gouëffic*

- Questions and answers

**Solutions for poor “Outflow”**
- *Case presentation: LimFlow procedure for no-option CLI*
  
  *M. Schreve*

- Questions and answers

**Panel roundup**

13:30 – 15:30

**Latest advancements in diabetic patients:**
May drug elution technologies improve clinical outcome?

Partially supported with an educational grant from Alvimedica

*Moderators: R. Ferraresi, K. Mühlberg*

*Panel: M. Manzi, G. Biamino, M. Edmonds, E. Ducasse*

- *Live case transmission from Bergamo*

- The distribution and management of peripheral arterial disease (PAD) in the diabetic patient with neuropathic (Charcot) arthropathy: a new paradigm of critical limb ischaemia in diabetes
  
  *M. Edmonds*

- Ischemia/infection/amputation: When, what, and how to intervene
  
  *R. Ferraresi*

- Critical Limb Ischaemia: time is crucial!
  
  *F. Vermassen*

- Endovascular intervention vs. open surgery: Pro/cons and boundaries
  
  *E. Ducasse*

**FOCUS ON SFA**
- Current developments in drug eluting technologies for complex SFA treatment
  
  *S. Müller-Hülsbeck*

- When should we use DCBs? Why?
  
  *G. Tepe*

- When should we use DESs? Why?
  
  *A. Kahlberg*

**FOCUS ON BTK**
- Which revascularisation strategy for BTK disease in DM patients?

- Wound-related or total treatment?
  
  *S. Kum*

- When should we use DCBs? Why?
  
  *F. Liistro*

- When should we use DESs? Why?
  
  *M. Manzi*

- *Live case transmission from Berlin*
Preliminary programme

CCT@LINC: Advanced endovascular therapy in Japan – Pre-recorded live cases

Moderators: G. Biamino, K. Urasawa
Panel: M. Tan, T. Nakama, H. Ando

15:30 – 15:45 Video live and lecture: EVT for SFA in-stent reocclusion  M. Tan
15:45 – 16:00 Video live and lecture: Aggressive below-the-ankle revascularisation  T. Nakama
16:00 – 16:15 Video live and lecture: Techniques for severely calcified lesions  H. Ando
16:15 – 16:30 Video live and lecture: Optimization of POBA for DCB  K. Urasawa
16:30 – 17:00 Discussion and conclusion
12:30 – 13:30  Update on clinical trials and new data – PVD/BTK/CLI  
*Moderator: J. Mustapha*  
*Panel: M. Menard, M. Montero-Baker*  
12:30 – 12:35  Magnesium resorbable drug-eluting scaffold (Magmaris) for below the knee recanalisation: 12-months 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-months 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 versus 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 – 13:00  Impact of wound ischemia and foot Infection (WIfI) stage as an independent predictor of limb salvage in revascularised threatened limb ischemia  
*H. Chaudhari*  
13:00 – 13:05  Wound blush as a prognostic factor for limb salvage in diabetic patients with ischemic tissue loss after successful endovascular treatment  
*H. L. Aly*  
13:05 – 13:10  Comparison between surgical and endovascular infrapopliteal limb revascularisation at a tertiary cardiovascular care center  
*F. Goldbach*  
13:10 – 13:30  Discussion
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>13:30 – 15:00</td>
<td><strong>Update on clinical trials and new data – PVD/SFA</strong></td>
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<tr>
<td>13:30 – 13:35</td>
<td>Peripheral CTO crossing with the SoundBite™ active wire</td>
<td>M. Brodmann</td>
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<tr>
<td>13:35 – 13:40</td>
<td>Safety and feasibility of intravascular lithotripsy for treatment of common femoral artery stenoses</td>
<td>M. Brodmann</td>
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<tr>
<td>13:40 – 13:45</td>
<td>Benefit of arterial preparation by LONGitudinal scoring before paclitaxel eluting balloon angioplasty of the superficial femoral and popliteal artery (The BELONG study): recruitment status and early results</td>
<td>D. Périard</td>
</tr>
<tr>
<td>13:45 – 13:50</td>
<td>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</td>
<td>J. B. Dahm</td>
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<tr>
<td>13:50 – 13:55</td>
<td>EffPac-Trial: Effectiveness of LUMINOR® DCB vs. POBA in the SFA: primary endpoint and 12-months results</td>
<td>U. Teichgräber</td>
</tr>
<tr>
<td>13:55 – 14:00</td>
<td>Subgroup analyses of the CONSEQUENT randomized controlled trial investigating the clinical benefits of paclitaxel-resveratrol coated balloon angioplasty</td>
<td>T. Albrecht</td>
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<tr>
<td>14:00 – 14:05</td>
<td>Outcome of DEB and PTA post stenting in occluded vs. stenotic lesions – subgroup analysis of the randomized Freeway Stent study</td>
<td>J. Tacke</td>
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<tr>
<td>14:05 – 14:10</td>
<td>Novel laser-based atherectomy catheter. Results from the Eximo Medical B-Laser™ IDE study</td>
<td>M. Brodmann</td>
</tr>
<tr>
<td>14:10 – 14:15</td>
<td>24-month outcomes in the EVOLUTION study: Investigating the iVolution stent in femoropopliteal lesions</td>
<td>M. Bosiers</td>
</tr>
<tr>
<td>14:15 – 14:20</td>
<td>Bi-directional, self-expanding stent for superficial femoral artery lesions – 2-year interim-results from the Q3 registry</td>
<td>H. Krankenberg</td>
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<tr>
<td>14:20 – 14:25</td>
<td>A real world comparison of interwoven nitinol (Supera®) with drug-eluting stent (Zilver® PTX®) in patients with symptomatic femoro-popliteal stenosis</td>
<td>A. Haine</td>
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<tr>
<td>14:25 – 14:30</td>
<td>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</td>
<td>A. Rabtsun</td>
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<tr>
<td>14:30 – 14:35</td>
<td>Results from the ENTRAP study: Lower extremity intervention using the Vanguard® IEP peripheral balloon angioplasty system with integrated embolic protection</td>
<td>T. Zeller</td>
</tr>
<tr>
<td>14:35 – 15:00</td>
<td>Discussion</td>
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</tbody>
</table>
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 AcculinkTM 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  Significanct 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  A. Schmidt
15:55 – 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

A. Coelho

13:15 – 13:30 Discussion
**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*

  *D. Hwang*

- 13:50 – 13:55 Sequalae of EVAR limb occlusion, a 6-year retrospective review  
  *T.-A. Russell*

- 13:55 – 14:00 Cardiovascular implications of post-implantation syndrome  
  *J. Sousa*

- 14:00 – 14:05 Subclavian Artery Plug Embolization (SAPE study): a real experience about endovascular subclavian occlusion prior to thoracic vascular repair  
  *S. Salvati*

- 14:05 – 14:10 Totally percutaneous access for thoracic and thoracoabdominal endovascular aortic repair: upper extremity access  
  *A. Melloni*

- 14:10 – 14:15 Low risk of spinal cord ischemia after endovascular repair for juxtarenal and thoracoabdominal aortic aneurysms using parallel stent graft implantation  
  *R. Kopp*

- 14:15 – 14:20 The Colt device – How cooperation with industry influenced the treatment of complex TAAAs  
  *P. Szopiński*

  *M. Chernyavskiy*

- 14:25 – 14:30 TEVAR performed in 106 year old female; advantage of low profile Zenith Alpha thoracic endovascular graft  
  *N. Fujimura*

- 14:30 – 15:00 Discussion
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*

- Update on the BEST-trial: How will it change our practice  
  *M. Menard*
- Endovascular treatment vs. bypass surgery in CLI patients with chronic kidney disease  
  *T. Bisdas*

08:00 – 09:30

**First time data release:**
- In depth look at safety events with difficult lesion 6 Month BTK IDE Update  
  *J. Mustapha*
- Interim 24M Results from the Global LUTONIX® 014 DCB Real World BTK Registry  
  *M. Lichtenberg*
- Paclitaxel-coated balloon in below-the-knee lesions: 6-months results from the Ranger BTK single center study  
  *C. del Giudice*
- Initial experience with the temporary spur stent system: DEEPER trial first-in-man results  
  *J. Mustapha*

08:30 – 09:35

New DCB era for BTK: 6-months results from the China AcoArt II study  
*W. Guo*

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

08:45 – 09:05

Alternative methods of drug delivery in BTK vessels – Initial insights from the TANGO trial  
*E. Armstrong*

09:05 – 09:10

How to reduce dissections in BTK: Techniques & devices  
*J. van den Berg*

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*

09:30 – 11:00

**Symposium: Data supported solutions for peripheral arterial disease intervention**

Supported with an educational grant from Boston Scientific

*Moderator: D. Scheinert*

*Panel: K. Katsanos, C. del Giudice, S. Müller-Hülsbeck*

- Introduction and learning objectives  
  *O. Iida*
- Benchmarking Ranger drug-coated balloon data in SFA treatment  
  *D. Scheinert*
- Downstaging complexity for a DCB strategy in claudicants  
  *K. Katsanos*
- Live case transmission from Leipzig
- Gauging performance in below-the-knee intervention  
  *C. del Giudice*
- Raising the bar with Eluvia drug-eluting stent data  
  *S. Müller-Hülsbeck*
- 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

with Steven Kum and Andrej Schmidt live 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
**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 Review and comparisons of DCB global registries **TBD**
- 13:50 – 14:00 A closer look at the benefit of LTX DCB in diabetic patient in Japan **Y. Soga**
- 14:00 – 14:10 Comparison of overall LTX BTK IDE 6-month outcomes to global registry **P. Geraghty**
- 14:10 – 14:20 Comparative studies of downstream events with drug coated balloon **A. Finn**
- 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

**VIVA@LINC:**

*Carotid revascularisation redux: A whole new horizon?*

*Moderators: P. Schneider, C. Metzger*

Panel: S. Lyden, W. Gray, J. Laird, E. Armstrong

- 15:05 Announcement of the winners of the Vascular Career Award 2018
- 15:05 – 15:30 Live case transmission from Columbus
  - Transcervical carotid stenting (TCAR) is a game changer and a re-boot for CAS **P. Schneider**
  - Cognitive decline with untreated carotid lesions: fact or fiction? **J. Laird**
  - 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**
The remaining challenges: Long CTO lesions and in-stent restenosis
Moderators: S. Lyden, R. Varcoe

16:30 – 16:36
First time data release:
Intravascular ultrasound supported endovascular therapy in superficial femoral artery disease: 12-months results from the IVORY-study
O. Iida

Insights from Global Zilver PTX experience: What are the predictors for clinical failure and TLR?
M. Dake

CTO vs. non-CTO lesions: What are the lessons learned from the Real-PTX trial and the concept of the BEST-SFA trial?
S. Steiner

16:42 – 16:48
Live case transmission from Leipzig

17:13 – 17:19
Complex case review: Versatility of the GORE® VIABAHN® endoprosthesis in the treatment of challenging peripheral disease
J. F. Noya

17:19 – 17:25
Combination therapy tackling ISR: laser + DCB 2-year results
E. Armstrong

17:25 – 17:31
Advancing laser therapy: different settings for different lesion
G. Adams

17:56 – 18:00
Live case transmission from Columbus

Discussion and conclusion
08:00 – 09:15

Complex iliac artery aneurysms — current techniques for endovascular repair

_Moderators_: G. Torsello, A. Lobato


- Results of the multicenter pELVIS registry for isolated common iliac aneurysms treated by the iliac branch device **G. Pratesi**
- Bilateral use of the Gore IBE device for bilateral CIA aneurysms and a first interim analysis of the prospective Iceberg registry **M. Reijnen**
- Long-term outcomes of the COOK IBD for iliac artery aneurysms **G. F. Torsello**
- Live case transmission from Münster

- Iliac branch device GoWell: a prospective, multiple centers research results from China **W. Guo**
- Sandwich technique for treating AAAs involving the common Iliac bifurcations: Experience with 151 hypogastric revascularisations: Lessons learned **A. Lobato**
- Overtaking technical and anatomical challenges of preservation in the treatment of iliac aneurysmal disease **G. Pratesi**
- Bilateral iliac aneurysm: what to preserve? **J. M. Heyligers**
- 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

_Panel_: J. Teßarek, J. van Herwaarden, F. Veith, C. Shu, M. Gargiulo

**Focus on considerations and innovative solutions for hybrid ORs**

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

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

- 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**
- Live case transmission from Leipzig
- Does ovation offer a long-term durable solution for female AAA patients? Results from ENCORE gender sub-analysis **S. Lyden**
- Results in EVAR, FEVAR, and BEVAR: are there differences between men and women still present? **E. Verhoeven**
- Recorded case presentation: Abdominal aortic aneurysm repair with Lifetech Ankura AAA stent graft sytem **K. Janowski**
- Early experience with Ankura AAA stent graft system **J. Albuquerque e Castro**
- Single-centre experience with the Gore C3 Excluder stent-graft in 300 consecutive patients **E. Verhoeven**
- Might EVAS be associated with a difference in mortality compared to EVAR? **M. Reijnen**
- Contemporary EVAR evidence demonstrated clear improvement in long-term outcomes compared to EVAR-1: Insights from the ENGAGE global registry **D. Böckler**
- Final results of the RATIONALE registry with the Treovance stent-graft **V. Riambau**
- Discussion and conclusion
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
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. Austermann, 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
Performance of bridging stents for fenestrated endovascular repair  M. Gargiulo
Recorded case presentation  J. F. Noya
1-year data  G. Torsello
Live case transmission from Münster
Discussion and conclusion by moderator

CX@LINC: Endovascular aortic controversies
Moderator: R. Greenhalgh
Panel: D. Böckler, T. Kölbel

Improving EVAR results
Reduced radiation and choice of imaging modality for endoleak detection and correction  D. Böckler
New analyses for NICE aortic guidelines  R. Greenhalgh
Most EVAR procedures should be done under local anaesthetic  D. Böckler
Audience participation and discussion

Avoiding Stroke from Thoracic Endovascular Procedures (STEP)
Stroke from Thoracic Endovascular Procedures (STEP study) findings  T. Kölbel
Audience participation and discussion
Pre-procedure screening to minimise stroke from endovascular arch repair  M. Dake
Audience participation and discussion
Edited live: Ascending and arch of aorta techniques to reduce stroke risk  T. Kölbel
Audience participation and discussion
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

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
17:25 – 17:31 Update on the fenestrated Anaconda endograft for F/EVAR: worldwide experience from the global FACT registry  C. Zeebregts
17:31 – 17:37 Early experience with Excluder conformable in a broad range of anatomies  J. Heckenkamp
17:37 – 17:43 Mid-term results from ANCHOR: How does this data influence the treatment algorightm for hostile EVAR anatomies  J.-P. de Vries
17:43 – 17:49 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
17:49 – 18:00 Discussion and conclusion
### Focus session: Interventional oncology and embolisation therapies – Liver (part I)

**Moderators:** U. Teichgräber, M. Moche
**Panel:** T. J. Vogl, M. Pech, W. Wohlgemuth

<table>
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<tr>
<th>Time</th>
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| 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   
B. Gebauer |
| 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 |

### Stop bleeding!

**Tips and tricks for interventional management of bleeding complications**

**Moderators:** J. Balzer, R. Lookstein
**Panel:** B. Radeleff, B. Reimers

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<tr>
<th>Time</th>
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| 09:30 – 09:38 | Interventional 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 |

### Symposium: Pelvic vein disorders: Clinical presentations, differential diagnosis, and treatment options

**Moderator:** S. Black
**Panel:** V. Vidal

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<th>Time</th>
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| 10:15 – 10:30 | Pelvic venous obstruction: Case study with Abre™  
H. Jalaiae |
| 10:30 – 10:40 | Pelvic venous obstruction: Case study with Abre™ venous stent  
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 |

### Focus session: Interventional oncology and embolisation therapies – Liver (part II)

**Moderators:** T. Vogl, B. Gebauer
**Panel:** R.-T. Hoffmann, U. Teichgräber, M. Moche

<table>
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| 11:00 – 11:08 | Double embolisation for rapid liver hyertrophy: The endovascular ALPPS  
C. Binkert |
| 11:08 – 11:33 | Live case transmission from Jena                                         |
| 11:33 – 11:41 | Portal vein aborisation after TIPPS 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 |
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: 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

Focus session: Interventional radiology – embolisation therapy
- Moderators: U. Teichgräber, T. J. Vogl
- Panel: W. Wohlgemuth, A. Rampoldi, V. Vidal
- 15:00 – 15:08 Medium and longterm outcome of prostate artery embolisation for patients with benign prostatic hyperplasia: A. Rampoldi
- 15:08 – 15:29 Live case transmission from Jena
- 15:29 – 15:37 5-year results of prostate artery embolisation from Jena University Hospital: T. Franiel via satellite from Jena
- 15:37 – 15:45 Uterine artery embolisation (UAE) vs. laparoscopy vs. HIFU: T. J. Vogl
- 15:45 – 15:53 Endovascular therapy of arterio-venous malformations: how to treat lesions with different angioanatomy: W. Wohlgemuth
- 15:53 – 16:14 Live case transmission from Frankfurt
- 16:14 – 16:22 Interventional treatment of visceral artery and pseudoaneurysm: A. Malouhi
- 16:22 – 16:30 Emborrhoid: A new concept for the treatment of hemorrhoids with arterial embolization: V. Vidal
Miscellaneous 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  TIPPS – 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. Kölbl
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  C. Vaquero-Puerta
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: A. Lobato  
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  
A. Lobato
### Preliminary programme

**ROOM 5 – GLOBAL EXPERT EXCHANGE FORUM**

**Wednesday, 23 January 2019**

#### 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*

- Live case transmission from Leipzig

Pre-clinical and histology findings from different DCBs  
**R. Coscas**

**First time data release:**

A mechanistic look at 0.018 DCBs: Considerations for efficacy and durability of response  
**J. Granada**

08:00 – 08:20

- Live case transmission from Leipzig

08:20 – 08:25

- Pre-clinical and histology findings from different DCBs  
  **R. Coscas**

08:25 – 08:30

- First time data release:  
  A mechanistic look at 0.018 DCBs: Considerations for efficacy and durability of response  
  **J. Granada**

- How DCB drug dose effects vessel healing  
  **A. Finn**

- 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**

- Total IN.PACT™ 1-year results: Clinical outcomes from All-Comers  
  **M. Brodmann**

- Total IN.PACT™ 1-year results: Imaging and propensity analysis  
  **J. Laird**

- 12 months data from the EFFPAC randomized clinical trial  
  **U. Teichgräber**

- 12-month comparison of the Lutonix Korean SFA registry vs. global SFA registry  
  TBD

08:45 – 09:05

- 6 months SFA results from Levant Japan PMS  
  **H. Yokoi**

- Outcomes of DCB use in real world patients: 3-year clinical outcomes from the IN.PACT™ global study  
  **K. Deloose**

- Ranger DCB SFA registry: 24-month full cohort analysis  
  **M. Lichtenberg**

- Long term results from the LegDeb registry  
  **E. Stabile**

- Cost economic evidence: what do DCB deserve? The US case example  
  **G. Adams**

09:00 – 09:15

- Adverse effects of Paclitaxel on arterial pathology: Are we using the right drug on our DCBs?  
  **U. Beschorner**

09:15 – 09:25

- Discussion and conclusion

**JET@LINC**

*Moderators: G. Biamino, K. Urasawa, H. Yokoi*  

*Panel: M. Tan, T. Nakama, M. Fujihara, D. Kawasaki, O. Iida*  

09:45 – 10:04

- A review of revascularisation techniques for femoropopliteal occlusions in Japan  
  **M. Tan**

- The efficacy of pedal artery revascularisation; the final frontier of lower limbs intervention  
  **T. Nakama**

- The reconsideration of evaluation for complex SFA disease by the multidisciplinary modalities  
  **M. Fujihara**

- IVUS guided intraluminal wiring for peripheral CTO lesion  
  **D. Kawasaki**

- Overview of CLI treatment evidence vs. experience  
  **O. Iida**

09:45 – 10:45

- Discussion and conclusion
**Preliminary programme**

**ROOM 5 – GLOBAL EXPERT EXCHANGE FORUM**

**Wednesday, 23 January 2019 (cont.)**

**10:45 – 12:30**

**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  
  P. Schneider

- 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  
  BIOLUX 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.)**

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| 13:30 – 14:30 | **CCT@LINC – Various techniques to recanalise CTO**  
*Moderators:* R. Langhoff, H. Ando  
*Panel:* M. Tan, T. Nakama, K. Urasawa  
- Video live and lecture: Gachon technique for non-removable thrombus  
  *M. Tan*  
- Video live and lecture: Various distal puncture techniques  
  *T. Nakama*  
- Video live and lecture: Trans-collateral wiring  
  *K. Urasawa*  
- Video live and lecture: Needle clucking technique  
  *H. Ando*  
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**  
- Evidence on mechanical thrombectomy for iliofemoral DVT: Latest trial update  
  *M. Lichtenberg*  
- Single center registry for the treatment of acute deep venous thrombosis by Angiojet  
  *Y. Gouëffic*  
- 1-year outcomes of the Indigo thrombectomy catheter for deep vein thrombosis  
  *T. Bisdas*  
**Focus on chronic DVT, deep vein recanalisation, and stenting**  
- Catheter-directed thrombolysis vs. mechanical thrombectomy in iliofemoral DVT. Why I choose one over the other  
  *G. O’Sullivan*  
- Venous stenting: May Thurners, a patient story  
  *O. Schlager*  
**LINC status update: The role of venous stenting in the absence of clear scientific data**  
- Medical therapy is usually enough  
  *R. Bauersachs*  
- Now I see the quality and necessity for stenting  
  *R. Lookstein*  
- New strategy for endovascular treatment of the obstructed common femoral vein  
  *N. Kucher*  
- The VIDIO trial: diagnostic and clinical implications on the use of IVUS for deep venous treatment  
  *P. Gagne*  
- How common is iliac vein rupture during venous reconstruction and what to do?  
  *G. O’Sullivan*  
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 – 16:39  How to achieve best results in phlebectomy  T. Urbanek
16:39 – 17:20   Discussion and conclusion
Preliminary programme

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 – 09:40**

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 – 09:50**

Discussion

**09:50 – 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 – 10:45**

Percutaneous management of pulmonary embolism  
*J. Galla*

**10:45 – 11:00**

Discussion
Selected abstracts challenging cases – AV access related issues

Moderator: J. Swinnen  
Panel: K. Katsanos

11:00 – 11:05  Durability and cost effectiveness of peripheral inserted portcath for chemotherapy  
S. Nagib

11:05 – 11:10  Central venous occlusive disease in hemodialysis patients. What to do when the dialysis fistula is quickly occluded after reintervention?  
E. Swiecka

11:10 – 11:15  Diazys access endovascular interventions and strategies for reducing hematomas with perforation  
M. Goldberg

11:15 – 11:20  Extreme hemodialysis access: a transhepatic HeRO  
L. Freire

11:20 – 11:25  IN.PACT™ admiral DCB in upper limb arteriovenous fistulae/graft  
A South African single unit audit  
D. A. le Roux

11:25 – 11:30  Lessons learned from 257 patients treated by surgical correction of dialysis steal syndrome  
S. Steerman

GDPR in a clinical setting

Moderators: A. Talen, U. Beschorner

11:30 – 11:38  GDPR: What's all the fuss about?  
A. Talen

11:38 – 11:46  New PIC-requirements by GDPR: The EC’s view  
TBD

11:46 – 11:54  What do EU hospitals need to comply with GDPR in medical studies?  
J. Bühse

11:54 – 12:02  MD perspective: what changed? – How does GDPR affect communication with the patient?  
U. Beschorner

12:02 – 12:10  GDPR requirements for non-EU based manufacturers  
N. Busch

12:10 – 12:30  Discussion and conclusion
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  IVUS guidance to gain collapsed true lumen in a complicated acute Type B dissection  G. Bernardini

13:05 – 13:10  Percutaneous balloon fenestration and stent placement for lower limb ischemia complicated with Type B aortic dissection: An 8-year follow up  V. P. Singh

13:10 – 13:15  Hybrid procedure for a young patient with Type B aortic dissection and malperfusion syndrome  S. Nguyen

13:15 – 13:20  Ortner's syndrome secondary to penetrating aortic arch ulcer treated with TEVAR  P. Aragon Ropero

13:20 – 13:25  Effects of false lumen procedures for chronic DeBakey Type IIIb aortic dissection  S.-W. Song

13:25 – 13:30  A complex case of penetrating aortic ulcer in a young man  R. George

13:30 – 13:35  Cheese-wire fenestration to create a suitable landing zone for treatment of complex aortic dissection with late aneurysm formation  J. Stern
### Preliminary Programme

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 14:00 – 15:15 | **Challenging cases and complications – EVAR thoracic aorta/aortic arch/thoracoabdominal aneurysms**<br>**Moderator:** M. Malina<br>**Panel:** C. Shu, F. Criado<br>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<br>14:05 – 14:10  
Multilayer flow modulator placement for peri-vascular saccular aneurysm with hemodynamic evaluation with AneurysmFlowSM: A case report  
J. Y. Kim<br>14:10 – 14:15  
Congenital anomalies of the aortic arch; are they so rare?  
D. Ruiz Chiriboga<br>14:15 – 14:20  
Use of parallel stents in visceral arteries in giant aneurisma with challenger neck: Case report  
A. Moraes<br>14:20 – 14:25  
Management of T-Branch infection  
P. Rodriguez<br>14:25 – 14:30  
Thoracic wall sternal reconstruction tilted implant perforating the ascending aorta: endovascular repair with ascending TEVAR  
A. Pellegrin<br>14:30 – 14:35  
Complete de-branching aortic arch, with TEVAR from ascending aorta  
J. Chaves<br>14:35 – 14:40  
Total arch replacement with chimney endovascular technique  
G. Meirelles<br>14:40 – 14:45  
Successful treatment of post-traumatic arch pseudoaneurysm with fenestrated custom-made TEVAR  
J. Sousa<br>14:45 – 14:50  
Cervical aortic arch debranching with laser fenestration of TEVAR for ascending/aortic arch pathology  
M. Wooster<br>14:50 – 14:55  
Staged open and endovascular management of the entire aorta in a patient with complicated Type A dissection  
V. Patel<br>14:55 – 15:00  
Iliac artery rupture during endovascular repair of the thoracic aorta  
L. Sanchez Escalante<br>15:00 – 15:15  
Discussion                       |
Challenging cases and complications – iliac/embolization

Moderator: J. Balzer
Panel: H. Krankenberg

08:30 – 09:30

Preliminary programme

08:30 – 08:35

Percutaneous trans-gluteal embolization of an internal iliac artery aneurysm in a case of occlude IBE  M. A. Ruffino

08:35 – 08:40

Endovascular therapy of aortoiliac occlusion – Could it be the first line therapy?  C. Anastasiadou

08:40 – 08:45

Bilateral common femoral artery endarterectomy 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  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  M. Nagib

08:50 – 08:55

Exclusion of a traumatic, giant arteriovenous fistula in a thirty-year-old female patient using endovascular technique  R. Proczka

08:55 – 09:00

Endovascular treatment of ureteroarterial fistula using a covered stent, evaluated by intravascular ultrasound: A case report  K. Horie

09:00 – 09:05

Leriche syndrome percutaneous treatment in patient with CLI – CERAB technique modification with protection of inferior mesenteric artery  P. N. Kipiani V.

09:05 – 09:10

Combined thrombolysis, suction, and open aorto-iliac thrombectomy  H. Rabee

09:10 – 09:15

Endovascular treatment of arterial complications after orthopedic surgery of the hip  E. Lonjedo

09:15 – 09:20

Complex vascular complication after Hip TEP  C. Feldmann

09:20 – 09:25

Retrograde embolization of symptomatic hypogastric artery aneurysm  A. Unzeitig

09:25 – 09:30

Unusual transarterial embolization for frozen shoulder in case of ulcerative colitis  S. W. Park
**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

**10:25 – 10:30**  
Covered stents for the treatment of renal artery in-stent restenosis (ISR). A viable option for a common problem. Case presentation and literature review  
A. Safar

**10:30 – 10:35**  
Application of cutting balloon in the treatment of renal artery stenosis caused by Takayasu’s arteritis  
Z. Zhiqing

**10:35 – 10:40**  
Complex interventions in abdominal aorta and it’s branches in children with Takayasu arteriitis  
R. Vijayvergiya

**10:40 – 10:45**  
Case study: complete occlusion of mesenteric vessels with vascularisation surgically  
R. Heidepriem

**10:45 – 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  Pelvic congestion syndrome: preliminary experience on embolisation with cyanoacrylate and cross over technique from unilateral approach  I. Leal Lorenzo

11:10 – 11:15  Flebogrip: a new minimally invasive mechano-chemical technique for ablation of the great saphenous vein. one center experience – results of 24-months follow-up  T. Zubilewicz

11:15 – 11:20  Midterm result of tunneled catheter placement in hemodialysis patients with central venous stenosis or occlusion  H. Lotfy

11:20 – 11:25  Vena cava filter deployment prior to percutaneous endovenous therapy for proximal lower limb deep venous thrombosis: Should we routinely practice?  M. Ismail

11:25 – 11:30  Fate of groin after radiofrequency ablation of varicose vein  E. Elashaal

11:30 – 11:35  Iliac vein obstruction in chronic venous disease: efficacy of computed tomography venography when compared to intravascular ultrasound  F. Rossi

11:35 – 11:40  Mid-term improvement of persistent headaches in patients with multiple sclerosis undergoing balloon venoplasty of internal jugular veins  P. Veroux

11:40 – 11:45  The use of ultrasound accelerated thrombolysis vs. catheter guided thrombolysis for the treatment of DVT of lower extremities  M. Ansari

11:45 – 11:50  Covered stents are an endovascular option for hemodialysis-related venous occlusive disease  T. Steinke

11:50 – 11:55  The early and mid-term results of endovascular treatment for central venous obstruction in hemodialysis patients  W. Liang

11:55 – 12:00  Hemodialysis access induced distal ischemia; effectiveness of different types of revisional surgeries  H. Sharafeldin

12:00 – 12:05  Removal of 16-year old permanent trapease IVC Filter: presentation + review of the literature  B. Olivieri

12:05 – 12:30  Discussion
Selected abstracts original research – Carotid/visceral/renal

Moderator: S. Müller-Hülsbeck
Panel: B. Reimers, S. Basche

12:30 – 12:35  Outcome of carotid artery stenting in patient with combined carotid and coronary artery disease  M. R. Juniery Pasciolly
12:35 – 12:40  Endovascular reconstruction of extracranial traumatic internal carotid artery dissections: A systematic review  G. Koullias
12:40 – 12:45  12-year experience of stent treatment of extracranial carotid stenosis (ECE)  E. Casula
12:45 – 12:50  1-year result of stent graft for carotid artery pseudo-aneurysm in Behcet’s disease patients  H. Lotfy
12:50 – 12:55  Modified anchor technique for stenting of main arteries of the head ostial stenosis  Y. Cherednychenko
12:55 – 13:00  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  Y. Cherednychenko
13:00 – 13:05  Carotid surgery in patients with contralateral occlusion: no shunt or endovascular  M. Chernyavskiy
13:10 – 13:15  Single center experience with open and endovascular treatment of the Nutcracker syndrome  A. Grandi
13:15 – 13:30  Discussion
Selected abstracts original research – PVD/iliac

Moderator: S. Nikol
Panel: F. Fanelli

13:30 – 13:35  Peripheral vascular disease in women in Argentina: more serious, under-recognised and undertreated  
A. Mollon

13:35 – 13:40  Impact of secondary prevention on outcome in patients with peripheral artery disease  
N. Malyar

13:40 – 13:45  Impact of HDL to major adverse limb event in end-stage renal disease on hemodialysis due to diabetic nephropathy. From PREDICT study  
T. Kato

13:45 – 13:50  Digital variance angiography as a paradigm shift in carbon-dioxide angiography  
V. I. Öriäs

13:50 – 13:55  4F peripheral arterial interventions via percutaneous brachial artery access  
D. Kretzschmar

13:55 – 14:00  Multicentric registry of lower limbs angioplasty in Argentina: Initial results  
S. Peralta

14:00 – 14:05  Surgical technique of Impella 5.0 Ventricular Assist Device Transaxillary Artery Placement  
D. Loschi

14:05 – 14:10  Endovascular treatment of arterial injuries with Bentley's BeGraft stent-graft system: Preliminary results  
M. A. Ruffino

14:10 – 14:15  Meta-analysis of direct surgical vs. endovascular revascularisation for aorto-iliac occlusive disease  
S. Premaratne

14:15 – 14:20  Hybrid procedure in patients with critical ischemia with common femoral artery and aortoiliac occlusive disease for TASC II  
D. S. Papoyan

14:20 – 14:25  Hybrid procedure in comparison with aorto femoral shunting in patients with lesions of the iliac arteries (TASC C, D) and hemodynamically significant lesions of the common femoral artery: Final results  
A. Karpenko

14:25 – 14:30  Fusion imaging reduces radiation and contrast medium exposure during endovascular revascularisation of iliac steno-occlusive disease  
E. Stahlberg

14:30 – 14:35  An Australian multicenter experience with the Endologix AFX unibody stent graft for the treatment of aortoiliac occlusive disease  
C. Wang

14:35 – 14:40  Results from a multicenter study of transradial iliac artery stenting in Japan  
N. Shinozaki

14:40 – 14:45  Endovascular approach in terminal aorta occlusion: how and when  
M. Chernyavskiy

14:45 – 14:50  An endovascular solution for a troubling orthopedic complication: Rapid coil embolization of a profunda branch laceration during a complex femoral shaft fracture repair  
E. Moore

14:50 – 14:55  Is exercise always good for you? An arterial thrombosis due to excessive crossfit exercise  
S. Steerman

14:55 – 15:00  Safety and efficacy of the use of covered stent for the treatment of iliofemoral disease  
E. Stabile
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
15:15 – 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 of 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 improved 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 – 16:30  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.
MEDIVENTURES

AUDIOVISUAL PRODUCTIONS FOR THE MEDICAL, MORE ADVENTUROUS WORLD
**Preliminary programme**

**ROOM 1 – MAIN ARENA 1**

**Thursday, 24 January 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 08:00 – 09:30 | **The last frontiers: Extreme BTK interventions**<br>
Moderators: C. Metzger, R. Ferraresi<br>
Panel: R. Beasley, J. Mustapha, W. Guo, F. Liistro, M. Brodmann, M. Palena<br>
- Live case transmission from Abano Terme<br>
- SAD transmission & BAD distribution: who is today a no-option CLI patient? R. Ferraresi<br>
- Peroneal access technique: How do I do it and when do I consider it? M. Montero-Baker<br>
- Calcified below-the-knee lesions – overview of treatment options E. Blessing<br>
- Live case transmission from Leipzig<br>
- An evaluation of drug eluting technologies for BTK treatment M. Brodmann<br>
- DCB in BTK: Why and where should we use it F. Liistro<br>
- 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**<br>
supported with an educational grant from Straub Medical<br>
Moderators: D. Scheinert, R. Loffroy<br>
Panel: B. Freitas, C. Wissgott, M. Lichtenberg<br>
- Atherectomy and thrombectomy of femoropopliteal occlusions with Rotarex®S: The Leipzig experience B. Freitas<br>
- Live case transmission from Leipzig<br>
- Retrospective analysis of initial results of an atherothrombectomy device in patients with acute, subacute, and chronic lower limb artery occlusion C. Wissgott<br>
- Live case transmission from Leipzig<br>
- 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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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>11:00</td>
<td><strong>Endo-vascular transcendence in end stage renal disease</strong></td>
<td>supported with an educational grant from C. R. BARD</td>
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<td><strong>Moderator:</strong> D. Scheinert</td>
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<tr>
<td>11:00</td>
<td><strong>Panel:</strong> T. Steinke, R. Jones, B. Dolmatch, P. Kitrou, R. Ferraresi, R. Shahverdyan</td>
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<tr>
<td>11:08</td>
<td>Endovascular therapy first in ESRD</td>
<td>B. Dolmatch</td>
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<td>11:16</td>
<td>CLI in ESRD. Upper &amp; lower limb ischemia</td>
<td>R. Ferraresi</td>
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<tr>
<td>11:24</td>
<td>WavelinQ endo-vascular access creation</td>
<td>R. Jones</td>
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<td>11:32</td>
<td>Different approaches in WavelinQ endo-vascular access</td>
<td>R. Shahverdyan</td>
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<td>11:42</td>
<td>Recorded case presentation</td>
<td>R. Jones</td>
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<td>11:52</td>
<td>Treating the dysfunctional AV. From algorithm to Tips &amp; Tricks</td>
<td>P. Kitrou</td>
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<td>11:57</td>
<td>Proof is in the evidence</td>
<td>D. Scheinert</td>
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<td>12:22</td>
<td>Live case transmission from Münster</td>
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<td>12:30</td>
<td>Discussion and conclusion</td>
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<td>12:30</td>
<td>Lunch</td>
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<tr>
<td>13:30</td>
<td><strong>The last frontiers: Endovascular therapy of the common femoral artery</strong></td>
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<td>and the poplite segment</td>
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<td><strong>Moderators:</strong> L. Garcia, Y. Gouëffic</td>
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<tr>
<td>13:30</td>
<td><strong>Panel:</strong> S. Debus, E. Blessing, F. Criado, M. Menard, W. Liang</td>
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<td>13:35</td>
<td>Long term (10 years) outcomes using VIABAHN for the treatment of PAA</td>
<td>I. Tielliu</td>
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<td>13:55</td>
<td>Live case transmission from Leipzig</td>
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<td>13:55</td>
<td><strong>LINC status update: Management of common femoral disease</strong></td>
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<td>14:00</td>
<td>Lesions of the CFA: Increasing evidence for endovascular rather than open repair!</td>
<td>M. Malina</td>
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<td>14:05</td>
<td>Panel discussion and audience vote</td>
<td>M. Menard</td>
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<td>14:10</td>
<td><strong>Live case transmission from Bad Krozingen</strong></td>
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<td>14:10</td>
<td>Lithoplasty as a treatment option for calcified stenosis of the common femoral artery: initial experiences</td>
<td>E. Blessing</td>
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<td>14:40</td>
<td>Directional atherectomy and anti-restenotic therapy for CFA disease</td>
<td>T. Zeller via satellite from Bad Krozingen</td>
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<td>14:45</td>
<td>2-year outcomes of directional atherectomy and anti-restenotic therapy in CFA disease</td>
<td>A. Cioppa</td>
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<td>14:50</td>
<td>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</td>
<td>K. Deloose</td>
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<tr>
<td>14:55</td>
<td>Bifurcation stenting of the common femoral artery – long term follow up of Supera cases using the Culotte technique</td>
<td>E. Blessing</td>
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</table>
15:00 – 18:00  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
15:53 – 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  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
17:19 – 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
New insights and current techniques for thoracic endovascular aortic repair (TEVAR)

**Moderators:** V. Riambau, G. Torsello

**Panel:** J. Blankensteijn, F. Criado, M. Malina, D. Böckler

- Beyond morphology: Bovine arch anatomy, classification, and implications - F. Criado
- Extensibility and distensibility of the thoracic aorta in patients with aneurysms - F. Moll
- Live case transmission from Münster

**Focus on new devices for TEVAR**

- Treating challenging aortic anatomies. Are new devices the answers to overcoming current limitations? - J. Blankensteijn
- Early insights from the clinical trial for Valiant Navion™: how Medtronic’s new low-profile TEVAR device expands therapeutic options - F. Verzini
- RelayPro regeneration trial: Update and launch - R. Giudice
- The value of conformability and control: 18 months of clinical experience in all thoracic etiologies - G. Torsello
- More than 50 cases with CTAG with active control: What did we learn? - D. Böckler
- Open conversion after failed TEVAR - R. Chiesa
- Discussion and conclusion

**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**

- Update on management of PAU and IMH: Lingering doubt and controversies - F. Criado
- Recent evidence surrounding the treatment of patients with Type B dissections - P. Hayes
- Decision process and influencing factors for the treatment of uncomplicated Type B aortic dissection - D. Böckler
- Chronic aortic dissection: When to use FEVAR and when false lumen occlusion techniques - T. Kölbel
- Live case transmission from Paris

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

- How to manage aortic arch pathology: open, hybrid, chimney or fenestration - C. Shu
- The current status of endovascular repair of ascending aorta and aortic arch - T. Kölbel
- Ascending aortic remodelling permits TEVAR in most ascending aneurysms - R. Kolvenbach
- Comparison of two different techniques of isolated left subclavian artery revascularisation during “Zone 2” thoracic endovascular aortic repair - G. Pratesi
- RelayBranch: Expanding TEVAR to a new class of patients - R. Heijmen
- Register study for Zone 0 aortic arch aneurysm with Chimney/Sandwich technique: 8-year follow-up - A. Lobato
- Updated results of the Nexus aortic stentgraft system - M. Lachat
11:00 – 12:30

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 – 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

12:30 – 13:30

Focus session: Pioneering techniques and new concepts for prevention of stroke and paraplegia during EVAR in the thoracic and thorakoabdominal 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 bedside  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
Mechanical characterisation of abdominal aortic aneurysm, using 4D ultrasound  M. van Sambeek
Evolution of the peri-renal aortic neck segment after endovascular aneurysm repair with the Anaconda stent-graft  M. Koenrades
Proximal extension of disease after FEVAR: frequency and treatment options  E. Verhoeven
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
14:00 – 14:25  Debunking the publication “predictors of abdominal aortic aneurysm sac enlargement after EVAR”; long-term results from the ENGAGE registry  D. Böckler
14:25 – 14:31  Flow-dynamic study for late Type I B endoleaks in thoracic stent-grafts  F. Moll
14:31 – 14:37  What is the clinical significance of Type II endoleaks? 5-year analysis from the ENGAGE registry  M. Reijnen
14:37 – 14:43  Alternative approach to Type II endoleaks: Transfemoral, para-graft approach  P. Schneider
14:43 – 14:49  First clinical results of aneurysm sac filling with polymers  M. Jacobs
14:49 – 14:55  Trouble shooting in iliac side branch failure treatment  S. Seifert
14:55 – 15:00  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
15:49 – 16:00  Discussion and conclusion
Latest techniques for endovascular repair of thoracoabdominal aneurysms and consideration for prevention of complications  
*Moderators: M. Jacobs, M. Borger*  
*Panel: A. Lobato, 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 – 16:53**  
Live case transmission from Paris  
Focus on side branch technology

**16:53 – 16:58**  
Performance of different bridging stentgrafts in a fenestrated model after flairing. An in vitro study  
M. Austermann via satellite from Münster

**16:58 – 17:03**  
Failure modes of visceral branches in EVAR: Implications for branch design  
M. Malina

**17:03 – 17:08**  
Why is it so important to us the right stent in FEVAR?  
A. Prent

**17:08 – 17:13**  
18 months of follow-up on the BeGraft PLUS in BEVAR cases  
E. Verhoeven

**17:13 – 17:18**  
Early experience of VBX in branched procedures  
G. Torsello

**17:18 – 17:24**  
Update on the sandwich technique for treating complex TAAAs: Technical tips, precautions, and results  
A. Lobato

**17:24 – 17:30**  
Tips and tricks for the percutaneous axillary artery access during complex endovascular aortic procedures  
D. Branzan

**17:30 – 17:36**  
Early PS-IDE experience with the off-the-shelf Valiant™ thoracoabdominal device  
T. Maldonado

**17:36 – 17:42**  
Inner branches: a third option to address “non-suitable” visceral target vessels in FEVAR/BEVAR. Indication, technique, and limitations  
A. Katsargyris

**17:42 – 17:47**  
Should upper extremity access be avoided in BEVAR: when to use deflectable sheaths  
T. Kölbel

**17:47 – 17:52**  
Post-implantation inflammatory response after EVAR  
E. Debing

**17:52 – 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  
M. Chernyavskiy
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 descried 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
Preliminary programme

ROOM 4 – DISCUSSION FORUM

Thursday, 24 January 2019

10:00 – 11:00

Vascular discussion: indications & evidence based therapies
sponsored by Medtronic
Moderator: G. Torsello

10:00 – 10:15
Unparalleled clinical data outcome from one AAA device and expanded treatment options with approval  
D. Böckler

10:15 – 10:30
Early endoluminal treatment in venous ulceration  
M. Steinbauer

10:30 – 10:45
Clinical evidence of IN.PACT and opportunities of DAART for the treatment of PAD  
M. Bosiers

10:45 – 11:00
Clinical evidence of ONYX for the treatment of endoleakages and AVM’s  
W. Wohlgemuth

11:15 – 12:15

Vessel preparation: What is it and how to achieve best results?
Moderators: B. de Rubertis, S. Kum
Discussants: A. Finn, K. Donas, J. Phillips

Vessel preparation with plain balloons – the role of sizing and dilatation time  
F. Liistro
Scoring balloons and high pressure dilatation with non-compliant balloons – How I do it  
S. Kum
Vascular calcification in peripheral arteries: Implications for device design and procedural success  
A. Finn
The use of orbital atherectomy and lithoplasty in fem-pop disease – What is the concept and how to best select the cases?  
J. Phillips
Directional atherectomy – what is the best technique and how to avoid complications?  
K. Donas
The importance of vessel preparation prior to stenting  
B. DeRubertis
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 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.
Global expert exchange: Selected challenging cases – PVD

Moderators: G. Biamino, R. Varcoe
Panel: P. Huppert

09:00 – 09:05  A case of Leriche syndrome after axillo-femoral bypass failure which was difficult to distal embolism  N. Hayakawa
09:05 – 09:10  Bilateral iliac artery intervention in Takayasu’s arteritis  M. Ansari
09:10 – 09:15  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  E. Moore
09:15 – 09:20  The effect of directional atherectomy +DCB in TASC C&D femoro-popliteal lesions  D. Zhang
09:20 – 09:25  Could we use atherectomy device at common femoral artery  L. Chang Hoon
09:25 – 09:30  Endovascular interventions after open surgery of the arteries of the lower extremities  Z. A. Kavteladze
09:30 – 09:35  Comparison of Angiographic dissection patterns caused by Long vs. short balloons during balloon angioplasty for chronic femoropopliteal occlusions  M. Tan
09:35 – 09:40  Complex intervention to a chronic totally occluded TP Trunk and peroneal artery, with intervention to the popliteal artery and SFA requiring suprarenal placement  P. Farrugia
09:40 – 09:45  Use of adjunct laser therapy for the treatment of femoropopliteal instant restenosis – A safety and efficacy analysis  M. Ansari
09:45 – 09:50  Unique treatment of popliteal aneurysm with kissing interwoven nitinol stents  G. Chrysant
09:50 – 09:55  RECROSS technique: revascularisation by crushing chronically occluded stents  J. Rollo
09:55 – 10:00  Endovascular management of traumatic vascular injury in lower extremities  C.-W. Kim
10:00 – 10:05  Modern lower extremity revascularisation: adapting skill sets from dialysis access thrombectomy  M. Goldberg
10:05 – 10:10  Argentinean registry for endovascular treatment in lower limbs “RAdAMI”  A. P. Mollon
10:10 – 10:15  The trials and tribulations of hawking in the tibals  V. Puttaswamy
10:15 – 10:20  Strategy of EVT for calcified below-the-knee lesions in our hospital  Y. Dannoura
10:20 – 10:25  Limb salvage at all costs: How do you leverage all of the tools in your tool box  G. Papia
10:25 – 11:00  Discussion and conclusion
**Preliminary programme**

**THURSDAY**

11:00 – 12:30

**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: U. Teichgräber, T. Köbel*

**Focus on carotid stenting and embolization therapies**

11:00 – 11:08

Carotid artery stenosis – diagnostic approach and indication for treatment

*T. Wittig*

11:08 – 11:16

Carotid artery stenting – latest technologies

*R. Langhoff*

11:16 – 11:24

Principles of coil embolization for bleeding, endoleaks, and beyond

*T. O. Petersen*

11:24 – 11:32

Interventional tumor therapy: what is available and how does it work?

*M. Moche*

11:32 – 11:40

New applications for embolization therapies

*U. Teichgräber*

**Focus on endovascular aortic repair**

11:40 – 11:48

Endovascular aortic repair of infrarenal aortic and iliac aneurysms – from imaging to implantation

*A. Fischer*

11:48 – 11:56

The role of 2D and 3D fusion imaging for reconstruction of complex aortic pathologies

*G. F. Torsello*

11:56 – 12:04

Branched and fenestrated grafts – When and how to use?

*E. Verhoeven*

12:04 – 12:12

Endovascular treatment of aortic dissections

*M. Malina*

12:12 – 12:20

Glimpse into the future: Endovascular treatment of the aortic arch and the ascending aorta

*T. Köbel*

12:20 – 12:28

The percutaneous approach: What do we need to know about different access sites?

*D. Branzan*

12:28 – 12:30

Discussion and conclusion

**ROOM 5 – GLOBAL EXPERT EXCHANGE FORUM Thursday, 24 January 2019 (cont.)**
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, J. Swinnen

Focus on peripheral arterial interventions
13:30 – 13:38  New approaches to measure perfusion after recanalisation in CLI procedures
  M. Montero-Baker
  C. Metzger
13:46 – 13:54  Radiation protection – what is new?
  A. Gangl
13:54 – 14:02  Latest data in the field of drug-eluting therapies: What is the current status?
  S. Steiner
14:02 – 14:10  The retrograde approach – when and how to do it?
  M. Werner
14:10 – 14:18  What is Lithoplasty and when to use it?
  M. Brodmann
14:18 – 14:26  New hope for end-stage CLI patients: The concept of deep venous arterialization
  S. Kum

Focus on venous interventions and AV-access
14:26 – 14:34  Iliac vein recanalizations: Indication, techniques and outcome
  O. Schlager
14:34 – 14:42  Endoluminal treatment of varicous veins
  A. Lukhaup
14:42 – 14:50  Interventional procedures in failed hemodialysis access
  J. Swinnen
14:50 – 14:58  Percutaneous creation of AV-fistula – initial experience
  T. Bisdas
14:58 – 15:00  Discussion and conclusion
Thursday, 24 January 2019

Challenging cases and complications – PVD femoral/BTK

Moderator: S. Lyden
Panel: J. Balzer

10:30 – 10:35  Percutaneous mechanical stent thrombectomy used as therapy for acute limb ischemia  I. Semin

10:35 – 10:40  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  E. Vuruskan

10:40 – 10:45  Body flossing technique the extremely helpful option  M. Salah

10:45 – 10:50  How to use a wire to capture a missed wire?  M. Alsherif

10:50 – 10:55  Zero-contract atherectomy of femoropopliteal lesions  T. Bisdas

10:55 – 11:00  Novel approach to popliteal occlusive disease  G. Chrysant

11:00 – 11:05  The combined use of an excimer laser and rotational atherectomy to overcome a severely calcified lesion bouncing any other devices back  K. Nakabayashi

11:05 – 11:10  Peripheral arteries hybrid surgery in high-risk patients  M. Chernyavskiy

11:10 – 11:15  Midterm outcomes of percutaneous bypass for very long femoropopliteal occlusion  V. Suwanruangsri

11:15 – 11:20  Endovascular treatment for critical lower limb ischemia caused by giant cell arteritis  R. McLachlan

11:20 – 11:25  Case report of persistant sciatic artery  M. Ismail

11:25 – 11:30  A rare cause of angina after coronary bypass grafting; left internal mammary artery to pulmonary artery fistula and successful treatment with transcatheter coil embolization  A. N. Calik

11:30 – 11:35  Transcatheter arterial embolization for intercostal pseudoaneurysm, which was causing haemothorax after lobectomy  T. Gonzalez de la Huebra Labrador

11:35 – 11:40  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  H. Ka Ki Isabelle

11:40 – 11:45  Hand salvage through catheter directed thrombolysis with Inj.rt-PA (Reteplase & Heparin) and drug coated balloon angioplasty for atheromatous plaques  M. Tarte

11:45 – 11:50  CLI and multilevel disease  A. P. Mollon

11:50 – 11:55  Efficacy and safety of EVT by diluted contrast angioplasty for CKD patients  N. Hayakawa

11:55 – 12:00  EKOS utilisation in a case of acute craft occlusion causing acute limb ischemia  M. Ansari

12:00 – 12:05  Intentional wire manipulation with IVUS guidance is only reliable method for antegrade approach in CTO  T. Tsuda

12:05 – 12:10  Angiosome directed revascularisation using drug eluting balloons and stents is safe and offers the best limb salvage rates  K. Garg

12:10 – 12:15  How to create a critical limb ischemia team to reduce amputation in underserved areas  Z. N'Dandu

12:15 – 12:30  Discussion
Thursday, 24 January 2019

**Preliminary programme**

**ROOM 6 – SPEAKERS’ CORNER**

**12:30 – 13:30**  
**Innovation forum – PVD-general**  
*Moderator: G. Adams*  
*Panel: K. Katsanos*

- **12:30 – 12:35**  
  **Homemade device to facilitate threading of low profile catheters**  
  *M. Lobato*

- **12:35 – 12:40**  
  **Practical experience with the Renal Guard system**  
  *M. Mende*

- **12:40 – 12:45**  
  **XO score: a novel scoring sheath for treatment of complex lesions and BTK CTOs**  
  *G. Adams*

- **12:45 – 12:50**  
  **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*

- **12:50 – 12:55**  
  **Impact of calcification modeling and planning circles with fusion imaging for the chronic total occlusion of iliac and femoro-popliteal arteries**  
  *N. Louis*

- **13:00 – 13:05**  
  **Cell-based therapy for the treatment of diabetes mellitus by local intra-arterial delivery of autologous bone marrow-derived adult stem cells in the pancreas**  
  *S. Kumar*

- **13:05 – 13:10**  
  **A study on targeted delivery of platelet bioinspired liposome with rapamycin in the treatment of atherosclerosis**  
  *N. Zhang*

**13:30 – 15:00**  
**Innovation forum – PVD-SFA/BTK**  
*Moderator: J. Mustapha*  
*Panel: M. Montero-Baker*

- **13:30 – 13:35**  
  **Totally percutaneous fem-pop bypass: the best of the two worlds**  
  *P. Sarra don*

- **13:35 – 13:40**  
  **Next generation of DCB: Efficacy and tolerance of drug-coated hyper-compliant balloons (DCHCB) in peripheral arteries of swine**  
  *M. Kusmierczuk*

- **13:40 – 13:45**  
  **Vascular responses and drug transfer upon treatment with the Reflow Temporary Spur Stent System**  
  *N. Brunacci*

- **13:45 – 13:50**  
  **Animal safety study for the SoundBite™ Active Wire**  
  *M. Brouillette*

- **13:50 – 13:55**  
  **The results of a 40 patient cohort at a single center with the DABRA atherectomy system**  
  *A. Kondur*

- **13:55 – 14:00**  
  **Characterization of subcutaneous oxygen microsensors in healthy volunteers: in vivo evidence of a tool for future management of CLI patients**  
  *P. Schneider*

- **14:00 – 14:05**  
  **Intra-sensor analysis of subcutaneous oxygen microsensors reveal heterogenous reperfusion response during revascularisation procedures for CLI patients**  
  *M. Montero-Baker*

- **14:05 – 14:10**  
  **Virtual partial foot amputation based on finite element analysis**  
  *V. Lain*

- **14:10 – 14:15**  
  **Totally percutaneous deep foot veins arterialization. Single centre experience**  
  *B. Migliara*

- **14:15 – 14:20**  
  **New technique to facilitate percutaneous venous arterialization in patients with no-option critical limb ischemia**  
  *A. Ysa*
Challenging cases and complications – EVAR general/infrarenal
Moderator: F. Moll
Panel: S. Botsios, F. Vermassen

09:30 – 09:35 Could EVAR be done without preoperative Duplex, CT or IVUS in patient with borderline renal function?  M. Haggag
09:35 – 09:40 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. Elehra
09:40 – 09:45 CHEVAS technique: challenging case of a pseudoaneurysm rupture in the proximal abdominal aortic anastomosis  P. Scrivere
09:45 – 09:50 A case of trapped VIABAHN string in the AFX skeleton successfully bailed out using laparoscopic scissors  T. Sato
09:50 – 09:55 Endovascular treatment of hypogastric artery aneurysm using an internal branch device  G. Gemayel
09:55 – 10:00 Exclusion of a large ruptured femoral artery aneurysm with two endoprotheses outside the “instructions for use”  M. Correia
10:00 – 10:05 Indication for inferior mesenteric artery chimney procedure: Synchronous AAA, mesenteric ischemia and aortoiliac occlusive disease  C. Anastasiadou
10:05 – 10:10 Endovascular treatment, in addition to anticoagulation, is recommended in patients with symptomatic mobile intraaortic thrombus  J. Ebaugh
10:10 – 10:15 Long-term complications after an endovascular repair of a polianeurysmatic dystrophy  R. Pérez López
10:15 – 10:20 Uncommon complications leading to conversion after EVAR  C. Anastasiadou
10:20 – 10:25 Parallel stent graft technique to rescue an accidental coverage of superior mesenteric artery during endovascular treatment of a dissecting AAA  J. Wang
10:25 – 10:30 Management of uncommon type of endoleak after EVAR  J. Y. Won
10:30 – 10:35 Transcaval sac puncture – the first choice in the treatment of Type II endoleaks with aortic sac enlargement  E. Moore
10:35 – 10:40 Graft infection with a large retroperitoneal abscess after EVAR, a case report  Y. Jiao
10:45 – 10:50 Failure to regress: A new metric for aneurysm surveillance following EVAR  V. Patel
10:50 – 10:55 Unusual case of rhabdomyolysis after endovascular aneurysm repair  J. Kim
10:55 – 11:00 Endovascular management of AAA post Aorto Bi femoral bypass graft  M. Shehata
11:00 – 11:05 Coarctation of the abdominal aorta: endovascular treatment with bare CP stent  M. Voos Budal Arins
11:05 – 11:10 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 – 11:15 Endovascular repair of abdominal aortic aneurysms associated to total iliac axis occlusion using bifurcated endografts  S. Busto Suárez
11:15 – 11:20 Late development of severe periaortic inflammation and retroperitoneal fibrosis (Ormonds disease) after routine-EVAR resulting in hydronephrosis and renal failure – case report and literature review  G. Rothenbacher
11:20 – 11:25 Fusion Image Laser Fenestration In Situ (FIL&FIS) for endovascular repair of Type 1A endoleak  M. Majewski
11:25 – 11:30 A fuming case: CHEVAR for impending juxtarenal aortic aneurysm rupture  R. Ruz
<table>
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<tr>
<td>12:30 – 12:35</td>
<td>Extend Petticoat strategy in diffused (DeBakey III) aortic dissection Type B.</td>
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<td>12:35 – 12:40</td>
<td>New strategy to stop aneurysmatic degeneration A. Kazimierczak</td>
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<td>12:40 – 12:45</td>
<td>Bikini stents for anatomically challenging cases of sacular aneurysms M. Shehata</td>
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<tr>
<td>12:45 – 12:50</td>
<td>A new fully automated imaging software to characterize abdominal aortic aneurysms properties F. Lareyre</td>
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<tr>
<td>12:50 – 12:55</td>
<td>Matching analysis between classic and arch first technique in frozen elephant trunk for aortic arch repair A. Grandi</td>
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<tr>
<td>12:55 – 13:00</td>
<td>The AORTIST cloud platform: a deep learning based clinical decision support system for thoracic endovascular aortic repair (TEVAR) W. Guo</td>
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<tr>
<td>13:00 – 13:05</td>
<td>Real time evaluation of flow patterns of AAA depending on intra-aneurysmal thrombosis using AneurysmFlow J. Y. Kim</td>
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<td>13:10 – 13:15</td>
<td>Augmented reality to facilitate endovascular aortic repair P. Rynio</td>
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<tr>
<td>13:15 – 13:20</td>
<td>The use of CO2-angiography and vessel navigator technology decreases iodinated contrast medium amount during FEVAR A. Vacirca</td>
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<tr>
<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

“Great saves and big disasters” – Review of challenging cases and complications
with Andrej Schmidt live from Leipzig
Moderator: G. Biamino
Panel: A. Micari, 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
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Details</th>
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| 13:00 – 14:45 | **Moderated poster round in front of Main arena 1** | **Jurors:** H. Jalaie, S. Black  
**Challenging cases: iliac, venous**  
The challenging procedure of complex AIOD with newly iliac covered stent  
*M. Fujihara*  
Successful endovascular treatment of a rigid patient with Leriche syndrome  
*B.-H. Jong*  
Successful hybrid revascularisation in TASC D AIOD aortic occlusion plus bilateral iliac artery occlusion by applying CERAB concept  
*J. Cheewinmethasiri*  
Primary stenting for chronically occluded abdominal aorta in a high-risk patient  
*M. Voos Budal Arins*  
Open repair of asymptomatic iliac pseudoaneurysm: a late complication after the implantation of common iliac artery stent  
*N. M. Coraizaca Chicaiza*  
“Crush Stenting” a new approach to treat occluded iliac stent  
*M. Ben Mrad*  
Endovascular treatment of a iatrogenic iliac arteriovenous fistula  
*G. D’Arrigo*  
Compression of the left common iliac vein by the right common iliac artery at the end of gestation  
*J. Silva*  
Successful single session treatment of massive left-side iliofemoral deep vein thrombosis in May-Thurner syndrome  
*J.-W. Lee*  
Popliteal vein compression ... is it a main cause of DVT?  
*M. Nagib*  
Stenosis of the brachiocephalic vein and percutaneous thoracic thrombectomy with Thrombectomy system—case report  
*E. Swiecka*  
Giant femoral artery pseudoaneurysm associated with arteriovenous fistula following shotgun injury with multiple complications  
*A. Sarookhani*  
Endovascular recanalisation of extensive chronic total femoro-ilio-caval occlusion in a persistent bilateral venous ulcers  
*O. Mahmoud*  
Combined role of endovenous laser ablation, inj.ethanol embolisation & foam sclerotherapy in the treatment of congenital venous malformations (K-T Syndrome) cases  
*M. Tarte*  
Early results of venous stenting when there are no healthy landing zones in thrombophilic patient  
*A. Elnaggar*  
May Thurner syndrome and left labial varices  
*N. Algharem*  
The role of 3D venous angiography and IVUS in diagnostic and treatment decision in May-Thurner syndrome  
*S. Franco*  
Sudden rapid progressive venous gangrene in upper limb with 2 years well functioning AV access  
*E. Elashaal*  
Endovascular treatment of post thrombotic syndrome in the left inferior vena cava  
*L. Tavares*  
A successful intervention for venous thrombosis and pulmonary embolization with anti-thrombin deficiency  
*H. Miyashita*  
Iliofemoral venous stenting for patients with chronic post-thrombotic venous occlusive disease  
*A. Salem* |
**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  
*M. A. Ruffino*

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*

15:20 – 15:25  
Permeability of viabahn covered stent in native fistulas for hemodialysis: does puncture influence its permeability?  
*P. B. Garcia Jurado*

15:25 – 15:30  
Vein sutureless anastomosis in vascular access graft  
*M. Franchin*

15:30 – 15:35  
Catheter directed thrombolytic therapy complemented by ECMO: Treatment of massive pulmonary embolism with cardiac arrest  
*M. Dumantepe*

15:35 – 15:40  
12-month clinical outcome of a novel rheolytic directional thrombectomy technique for patients with iliofemoral deep vein thrombosis  
*J. Dopheide*

15:40 – 15:45  
Chronic post-thrombotic syndrome – can direct CTV be helpful in predicting inflow for venous reconstruction?  
*A. Coelho*

15:45 – 15:50  
Popliteal vein entrapment as the cause of varicose veins  
*A. Senol*

15:50 – 15:55  
Catheter directed thrombolysis as a primary choice in the management of acute iliofemoral deep venous thrombosis  
*A. Salem*

15:55 – 16:00  
The clinical impact of the endovenous management of chronic venous insufficiency in patients with chronic venous occlusive disease  
*T. Hall*

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

16:05 – 16:10  
Surfacers 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

09:00 – 10:30

**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. Tadiello*

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  
*M. A. Ruffino*

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. Kretschmar*

10:25 – 10:30  Acute limb ischemia in patients with neoplastic disease  
*A. Argyriou*
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: J. Mustapha, M. Menard*

**Original research and challenging cases: BTK, CLI**

11:00 – 11:05
Comparative study of clinical outcomes of post-intervention good vs. poor pedal runoff in successful infrapopliteal angioplasty  
*H. Chaudhari*

11:05 – 11:10
Short term outcomes of combination directional atherectomy and paclitaxel balloon angioplasty for infrapopliteal lesions: a subgroup analysis of tibial disease  
*C. Selvaraj*

11:10 – 11:15
Outcomes of short bypass combined with angioplasty for critical limb ischemia  
*D. Kim*

11:15 – 11:20
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*

11:20 – 11:25
Critical Limb Ischemia. 4 years of limb salvage in Hospital México, San José, Costa Rica  
*J. Chavarria*

11:25 – 11:30
Role of catheter directed thrombolysis in Buerger’s disease with no option critical limb ischemia  
*S. Murugesan*

11:30 – 11:35
Impact of full-cover stenting in femoropopliteal lesions on time to wound healing in patients with critical limb ischemia  
*T. Shimada*

11:35 – 11:40
Role of Sequential Compression Biomechanical Device (SCBD) in patients with nonreconstructible or failed revascularisation critical limb ischemia: single center, prospective study  
*H. Chaudhari*

11:40 – 11:45
Challenging below-the-knee occlusive disease — tackled with SAFARI, CART, and finally DES  
*J. Chua*

11:45 – 11:50
Posterior tibial vein arterialization for salvage of critical ischemic threatened limb  
*A. Elnaggar*

11:50 – 11:55
Using novel, reinforced, metal-tipped microcatheter for crossing multiple challenging infrapopliteal CTOs  
*E. Ivan*

11:55 – 12:00
Rare case of very young critical limbs ischemia  
*K. Tobita*
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:** G. Biamino, D.-D. Do

**Challenging cases:** PVD, SFA

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.  
Endovascular management  
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

P.-S. Song

13:55 – 14:00  Arterial spasm could be a cause of Burger disease  
H. Araki

14:00 – 14:05  The triple aim? A case of multiple simultaneous arterial and venous thrombi  
E. Ivan

14:05 – 14:10  Endovascular management of Angioseal related femoral artery occlusion  
T. Hall

14:10 – 14:15  Severe bilateral upper extremities ischemia: think ergotism  
J. Miara Lopez

14:15 – 14:20  Hybrid technique for management of acute upper limb ischemia post radiation  
A. Almhrouky

14:20 – 14:25  A successful case of catheter-directed thrombolysis and staged stenting in a super-elderly patient with acute limb ischemia complicated with CKD  
T. Kido

14:25 – 14:30  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

14:30 – 14:35  A case with blunt occlusive traumatic injury in the popliteal artery who underwent successful revascularisation using stent graft and distal puncture  
M. Kimura

14:35 – 14:40  Spot stenting in patients with critical limb ischemia: Clinical experience from a Polish perspective  
R. Proczka
**Moderated poster round in front of Main arena 1**
*Jurors: F. Vermassen, S. Sixt*

**Original research: SFA**

15:00 – 15:05  
Benefit of arterial duplex stent imaging after SFS stent implantation: impact of Surveillance method on post procedural outcome  
*M. Draxler*  

15:05 – 15:10  
Impact of prolonged inflation times during plain balloon angioplasty on angiographic dissection in femoropopliteal lesions  
*K. Horie*  

15:10 – 15:15  
Outcomes of atherectomy combined drug-coated balloons vs. atherectomy combined with plain balloons in femoropopliteal artery disease  
*S. Giusca*  

15:15 – 15:20  
Comparison of ante- vs. retrograde access for the endovascular treatment of long and calcified femoropopliteal occlusive lesions  
*C. Wang*  

15:20 – 15:25  
The Australian experience of a self-expanding nitinol stent over 24 months  
*K. Deloose*  

15:25 – 15:30  
Short term outcomes of combination directional atherectomy and paclitaxel balloon angioplasty in infrainguinal peripheral vascular disease  
*S. Giusca*  

15:30 – 15:35  
Treatment of flush superficial femoral artery occlusion with ipsilateral antegrade common femoral artery access  
*A. Aborahma*  

15:35 – 15:40  
Optimizing femoropopliteal therapy with spot stenting: What are the possible indication?  
*L. M. Palena*  

15:40 – 15:45  
T.I.N.T.I.N. trial: Investigating the safety and efficacy of the treatment with the LumiNor DCB and The IvolutionN stent of iVascular in TASC C and D – preliminary 6-month outcomes  
*A. Aborahma*  

15:45 – 15:50  
Popliteal artery plaque dissection as a novel endovascular technique for tibial arteries revascularisation in critical lower limb ischaemia in patients with blind popliteal artery  
*A. Aborahma*  

15:50 – 15:55  
Efficacy of drug-eluting stents ELUVIA in treatment of high grade of femoropopliteal lesions  
*A. Pellegrin*  

15:55 – 16:00  
Retrograde approach for challenging occlusions of the superficial femoral artery  
*A. Aborahma*  

16:00 – 16:05  
Comparison of clinical outcome between patient with and without hemodialysis following endovascular treatment with Heparin-Bonded covered stent  
*A. Pellegrin*  

16:05 – 16:10  
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*  

16:10 – 16:15  
Popliteal Artery Entrapment syndrome, a clinical analysis of 12 cases  
*Y. Hao*  

16:15 – 16:20  
Long term follow-up of the endovascular treatment of stenotic and/or occlusive femoral arterial lesions  
*G. Varetto*
Preliminary programme

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: M. van Sambeek, N. Mosquera

Challenging cases: EVAR (part 1)

09:00 – 09:05  Type 3B endoleak following TEVAR for mycotic aneurysm  
S. Chulsky

09:05 – 09:10  Rupture of thoracoabdominal aneurysm between two-staged endovascular repair  
V. E. Garcia Blanco

09:10 – 09:15  Endovascular repair of a challenging isolated right common iliac artery aneurysm,  
a new modified technique  
A. Farghaly

09:15 – 09:20  Endovascular aortic repair in a patient with giant abdominal aortic aneurysm  
and high risk of endoleak I  
K. Zvereva

09:20 – 09:25  Covered-stent endovascular reconstruction of iliac bifurcation  
F. Benedetto

09:25 – 09:30  IBD experience in multiple bilateral iliac artery aneurysms combined with small AAA  
D. Hwang

09:30 – 09:35  Bending the rules can lead to leg pain, a case of ALI after EVAR  
P. E. Samonte

09:35 – 09:40  Open repair for abdominal aortic aneurysm rupture post Type II endoleak  
C. Wang

09:40 – 09:45  Combined TEVAR and EVAR to treat thoracic Type IB endoleak and infrarenal AAA  
N. Elaskary

09:45 – 09:50  Internal carotid artery preocclusive stenosis, large PAU of zone 2 of the arch and AAA:  
is simultaneous endovascular procedure feasible?  
M. Zamboni
Preliminary programme

THURSDAY

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

11:00 – 12:20

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 – 11:45
Treatment of common iliac aneurism with afx endologix fenestrated prosthesis for internal iliac arteries 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
M. Chernyavskiy

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
Endovascular repair of isolated right common iliac aneurysm
A. N. Calik

11:55 – 12:00
Successful endovascular repair of a severe perivisceral penetrating aortic ulcer
M. Erb

12:00 – 12:05
EVAR explantation for endotension and impending rupture
4 years post EVAR with Aorfix
A. Bakr

12:05 – 12:10
Treatment of endoleak Type 1 A with use of endoanchors in endoprothesis incraft cordis: case report
A. Moraes

12:10 – 12:15
PETTICOAT in Marfan patient and permanent anticoagulation – immediate results and controversy
M. Chernyavskiy

12:15 – 12:20
Early rupture post FEVAR secondary to a Type II endoleak
C. Wang
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<td>13:00</td>
<td><strong>Moderated poster round in front of Main arena 1</strong></td>
<td><strong>Jurors: S. Trimarchi, F. Verzini</strong></td>
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<tr>
<td>13:00</td>
<td>Electronic posters will be displayed from 08:00 – 18:00 in front of Main arena 1</td>
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<tr>
<td>13:00</td>
<td><strong>Original research: EVAR</strong></td>
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<td>13:00</td>
<td>Renal function in endovascular aneurysm sealing repair: a retrospective analysis</td>
<td><strong>F. Iqbal</strong></td>
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<tr>
<td>13:05</td>
<td>Early results of endovascular treatment of post aortic dissection aneurysm using physician-modified fenestrated stent-grafts</td>
<td><strong>M. Zhou</strong></td>
</tr>
<tr>
<td>13:10</td>
<td>Adjuncts to suture-based vascular closure devices increase successful femoral closure rate in percutaneous Endovascular Aneurysm Repair (pEVAR)</td>
<td><strong>S. Theivacumar</strong></td>
</tr>
<tr>
<td>13:15</td>
<td>Feasibility and early results of a new generation candy plug ii for endovascular false lumen occlusion with TEVAR in chronic aortic dissection</td>
<td><strong>A. Eleshra</strong></td>
</tr>
<tr>
<td>13:20</td>
<td>Results of standard endovascular aneurysm repair (EVAR) for ruptured very short neck abdominal aortic aneurysms (AAAs)</td>
<td><strong>A. Suesawatee</strong></td>
</tr>
<tr>
<td>13:25</td>
<td>Endovascular aortic repair for infra-renal abdominal aortic aneurysms:</td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td>Outcomes of the Bi- vs. Trimodular Endurant® stent-graft</td>
<td><strong>S. Anton</strong></td>
</tr>
<tr>
<td>13:35</td>
<td>Geometric &amp; hemodynamic analysis of fenestrated and multibranched aortic endografts</td>
<td><strong>L. Fidalgo Domingos</strong></td>
</tr>
<tr>
<td>13:40</td>
<td>Retrospective analysis of the effect of fibrinogen level on outcomes in abdominal aortic aneurysm repair</td>
<td><strong>M. O'Sullivan</strong></td>
</tr>
<tr>
<td>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><strong>A. Melloni</strong></td>
</tr>
<tr>
<td>13:50</td>
<td>Selective vs. routine preoperative coronary computerized tomography angiography for patients undergoing thoracoabdominal aortic aneurysm open repair</td>
<td><strong>V. Ardita</strong></td>
</tr>
<tr>
<td>13:55</td>
<td>Endovascular treatment of isolated common iliac artery aneurysms using iliac branch stent-grafts without aortic component: a national multicenter registry</td>
<td><strong>A. Giaquinta</strong></td>
</tr>
<tr>
<td>14:00</td>
<td>Renal function after open repair of proximal abdominal aneurysms analyzed according to different vessels revascularisation technique</td>
<td><strong>D. Mascia</strong></td>
</tr>
<tr>
<td>14:05</td>
<td>Different approach to the treatment of complex aortic arch aneurysms – TEVAR with or without open great vessel debranching</td>
<td><strong>P. Szopiński</strong></td>
</tr>
<tr>
<td>14:10</td>
<td>Postoperative CT findings and renal functional change after left renal vein division during abdominal aortic surgery</td>
<td><strong>D. Hyun</strong></td>
</tr>
</tbody>
</table>
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: 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  
*M. A. Ruffino*

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*
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
10a  Balton
12b  Bentley
14a  Biotronik
17  Boston
6a  BTG
7a  C. R. Bard
7b  Cardionovum
46  Control Distal Transit
8  Cook
6d  Cordis
18a  Cryolife
33  DAfM
11a  Endologix
20c  Future meeting table/LINC lounge
18c1  Genae
13b  Getinge
2  Gore & Associates
16d2  Inspire MD
41  Intact Vascular
7c  iVascular/Endoscout
12a  Joline
45  Laminate
16c  Lifetech
30  Lombard Medical
44  LSOMedical
18c2  Medicor
4  Medtronic
9  Medtronic
42  Merilife
15d  Merit Medical
20a  Optimed
18d1  Orbus
16d1  Oscor
6c  Penumbra
13a  Philips
34  Profusa
16a1  Qualimed
16b  Ra Medical
6b  Rontis AG
36  SCITECH
15a  Shockwave
18b  Siemens
11b  Straub
16a2  Teleflex
19a  Terumo Interventional Systems
32  Tokai
43  Vascular News
5c  VascuScience
15b  Veryan
15c  Vivasure Medical
48  wisepress
(in Entrance Hall East)
10b  Ziehm
47  Zyloxo

Table top exhibitors:

TT3  Andratec
TT6  Cydar
TT1  EVDT
TT9  Minerva Medica
TT11  Möller Medical
TT4  PQ Bypass
TT2  Renal Guard
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 Fürstehof
- 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).

**Public Transportation**

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.
Industry support

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

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The venue

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www.leipziger-messe.de

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Provascular GmbH
Sonnenleite 3
91336 Heroldsbach
Germany

www.provascular.de

Congress organisation

Congress Organisation and More GmbH
Antonie Jäger
Ruffinistrasse 16
80637 Munich
Germany

Phone: +49 89 23 75 74–65
Fax: +49 89 23 75 74–70
E.mail: info@cong-o.de

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