

LEIPZIG
INTERVENTIONAL
COURSE
2021



LINC

25–29 January 2021

PRELIMINARY PROGRAMME

Welcome to LINC 2021

Re-connect the endovascular community!

During these difficult times we are experiencing, LINC continues to be committed to provide a platform for an interdisciplinary exchange of latest scientific data and technical aspects of endovascular interventions amongst endovascular specialists from around the world.

While live case transmissions from renowned centers around the globe remain to be the main focus, the virtual LINC 2021 edition will feature especially designed Connect The World Sessions, Main Sessions, Symposia, Company Learning Sessions, and Poster Sessions.

The organisers of the course and the members of the faculty would like to welcome you to the LEIPZIG INTERVENTIONAL COURSE 2021.



LIVE CASE TRANSMISSION

During LINC 2021 more than 40 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.

- **Policlinico Abano Terme**, *Abano Terme, Italy*
- **Kansai Rosai Hospital Amagsaki**, *Amagasaki, Japan*
- **Klinikum Hochsauerland Arnsberg**, *Arnsberg, Germany*
- **301 General Hospital of PLA**, *Beijing, China*
- **Sankt-Gertrauden-Hospital**, *Berlin, Germany*
- **Ospedale Policlinico San Martino–HSM–University of Genoa**, *Genoa, Italy*
- **The First Affiliated Hospital, Sun Yat-sen University**, *Guangzhou, China*
- **Universitäres Herz- und Gefäßzentrum UKE Hamburg**, *Hamburg, Germany*
- **Wellmont CVA Heart & Vascular Institute Kingsport**, *Kingsport, United States*
- **Universitätsklinikum Leipzig, Abt. Angiologie**, *Leipzig, Germany*
- **Universitätsklinik für Herzchirurgie Leipzig**, *Leipzig, Germany*
- **Hesperia Hospital Modena**, *Modena, Italy*
- **St. Franziskus Hospital Münster**, *Münster, Germany*
- **Hôpital Marie Lannelongue Paris**, *Paris, France*
- **Sengkang General Hospital**, *Singapore*
- **Gefäßzentrum Klinikum Sonneberg**, *Sonneberg, Germany*
- **UniversitätsSpital Zürich**, *Zurich, Switzerland*



- 07:30 – 09:00** **Advanced concepts for complex aortoiliac obstructions**
Moderators: Peter Goverde, Ramon Varcoe
Panel: Hans Krankenberg, Michel Reijnen, Patrice Mwipatayi
 ■ *Live case transmission from Leipzig*
- 07:30 – 07:55 The CERAB technique – procedural tips and clinical outcome *Michel Reijnen*
- 07:55 – 08:00 Clinical experience between kissing stents and CERAB *Hany Zayed*
- 08:00 – 08:05 Outcomes of self expanding PTFE covered stent vs. bare metal stent for chronic iliac artery occlusion *Michele Piazza*
- 08:10 – 08:15 FLEX study: 3 year follow-up of patients with iliac occlusive disease treated with the Viabahn balloon-expandable endoprosthesis *Jean Panneton*
- 08:15 – 08:40 ■ *Live case transmission from Münster*
- 08:40 – 08:45 Ambulatory treatment and the advantages of trans-radial access
Mercedes Guerra Requena
- 08:45 – 08:50 Covered stents in emergencies – why should we all have enough covered stents on the shelf? *Maria Antonella Ruffino*
- 08:50 – 08:55 My algorithm for aortoiliac occlusive disease treatment: from easy lesions to juxtarenal total aortoiliac occlusions: which technique for which lesion
Peter Goverde
- 08:55 – 09:00 Q&A, discussion, and conclusion



09:00 – 09:15



LINC Studio:

Covered stents in clinical practice: Case review and discussion round*Moderator: Dierk Scheinert**Guests: Andrej Schmidt, Andrew Holden*

09:15 – 10:00

SYMPOSIUM: Stepping towards optimized lower limb treatment – meet the experts supported by Abbott Vascular*Moderator: Koen Deloose**Panel: Jonathan Sobocinski, Francesco Liistro, Luis Palena*

Step by step approach on treating patients with complex SFA

Tips and tricks for sustainable BTK results

How you close your procedures in the context of Covid?

10:00 – 10:10



LINC Studio:

Tips and tricks for complex peripheral interventions*Moderator: Dierk Scheinert**Guests: Andrej Schmidt, Koen Deloose*

10:10 – 11:20

LATE BREAKING TRIAL SESSION: Pioneering approaches and new data for BTK interventions*Moderators: Marianne Brodmann, Michael Lichtenberg**Panel: Francesco Liistro, Wei Guo*

10:10 – 10:15

IN.PACT BTK randomized study: 9 month primary outcomes *Francesco Liistro*

10:15 – 10:20

Chinese experience of DCB in BTK: 12 month results of the AcoArt II study *Wei Guo*

10:20 – 10:25

Latest data of DCB in BTK: 12 month results of the AcoArt BTK Italy study

Francesco Liistro

10:25 – 10:30

Luminor in BTK: MERLION trial 12 month outcomes presented for the first time

Tjun Tang

10:30 – 10:35

Temsirolimus adventitial delivery to improve ANGIOgraphic Outcomes

below the knee (TANGO) *Ehrin Armstrong*

10:35 – 10:40

PRESTIGE-study: 12 month results with the SELUTION sirolimus coated balloon

in TASC C and D tibial occlusive disease *Tze Tec Chong*

10:40 – 10:45

A pilot study examining the performance and safety of the temporary spur stent system in infrapopliteal arteries: first-time use with a Limus-coated balloon (DEEPER LIMUS) *Marianne Brodmann*

10:45 – 10:50

DEEPER OUS trial: a multicenter, single arm trial of the novel temporary spur stent system used in conjunction with a commercially available, Paclitaxel-coated balloon *Michael Lichtenberg*

10:50 – 10:55

12 month data from the LimFlow PROMISE I US early feasibility study *Peter Schneider*

10:55 – 11:20

■ *Live case transmission from Leipzig*

11:20 – 11:30



LINC Studio:

Expert round: Drug-eluting therapies for BTK arteries*Moderator: Dierk Scheinert**Guests: Sabine Steiner, Francesco Liistro, Ulrich Speck*

- 11:30 – 12:25** **SYMPOSIUM: A new era for vascular access: Evidence-based strategies for optimizing AV fistula creation and maintenance**
supported by Medtronic
Moderator: Andrew Holden
Panel: Alexandros Mallios, Jeffrey Hull, Tobias Steinke
- 11:30 – 11:35 Introduction *Andrew Holden*
- 11:35 – 11:40 Panel discussion
- 11:40 – 11:50 Endovascular or surgical AV access creation: which option for which patient?
Alexandros Mallios
- 11:50 – 11:55 Panel discussion
- 11:55 – 12:05 Challenges in AV access maintenance: treating the cephalic arch *Jeffrey Hull*
- 12:05 – 12:10 Panel discussion
- 12:10 – 12:20 My AV access maintenance algorithm *Tobias Steinke*
- 12:20 – 12:25 Panel discussion & programme conclusions
- 12:30 – 13:15** **LUNCH SYMPOSIUM: Is there any DCB covering your needs? Updated efficacy and safety evidence**
supported by iVascular
Moderator: Koen Deloose
Panel: Tjun Tang, Ralf Langhoff
- 12:30 – 12:31 Introduction
- 12:31 – 12:49 ■ *Live case transmission from Sonneberg*
- 12:49 – 12:57 First Luminor safety and efficacy outcomes at 3.5 years *Ulf Teichgräber*
- 12:57 – 13:05 Long and complex lesion management, new 2 years data. 1+1=3 *Koen Deloose*
- 13:05 – 13:13 BTK experience, Luminor outcomes at 1 year *Tjun Tang*
- 13:13 – 13:15 Q&A, discussion, and closure



- 13:15 – 14:10 **LATE BREAKING TRIAL SESSION: New data and innovative concepts for treatment of femoral arteries – part I**
Moderators: Thomas Zeller, Sabine Steiner
Panel: Kenneth Rosenfield, Marianne Brodmann
FOCUS ON DRUG-ELUTING TECHNOLOGIES
- 13:15 – 13:20 IN.PACT global full clinical cohort: 5 year outcomes *Thomas Zeller*
- 13:20 – 13:25 The real-world CONSEQUENT ALL COMERS study *Ralf Langhoff*
- 13:25 – 13:30 Final long-term mortality results of Paclitaxel-coated DCBs from the ILLUMENATE RCTs
Marianne Brodmann
- 13:30 – 13:35 5 year outcomes from the IN.PACT global Asian cohort *Young-Guk Ko*
- 13:35 – 13:40 3 year outcomes of the novel KANSHAS drug-coated balloon in treatment of femoropopliteal occlusive disease: the first-in-human KANSHAS 1 study results
Michael Lichtenberg
- 13:40 – 13:45 New safety and effectiveness data of Luminor DCB: EffPac trial 3.5 years
Dierk Scheinert
- 13:45 – 13:50 Results of the TRANSCEND study – the randomized and controlled noninferiority trial to evaluate safety and clinical efficacy of the SurVeil™ drug-coated balloon compared to IN.PACT® Admiral® drug-coated balloon in the treatment of femoropopliteal artery disease *Kenneth Rosenfield*
- 13:50 – 13:55 2 year results from the COMPARE-trial comparing low-dose (Ranger) vs. high-dose (Impact) DCB in femoropopliteal arteries *Sabine Steiner*
- 13:55 – 14:00 First peripheral drug-eluting stent clinical results from China: 1 year outcomes of the Zilver PTX China study *Weiguo Fu*
- 14:00 – 14:05 MIMICS-3D: 2 year data from the BioMimics 3D Real world registry
Michael Lichtenberg
- 14:05 – 14:10 The vacuum-assisted thromboaspiration in patients with acute lower limb ischaemia: safety and efficacy results from the INDIAN registry *Gianmarco de Donato*

14:10 – 14:20



LINC Studio:

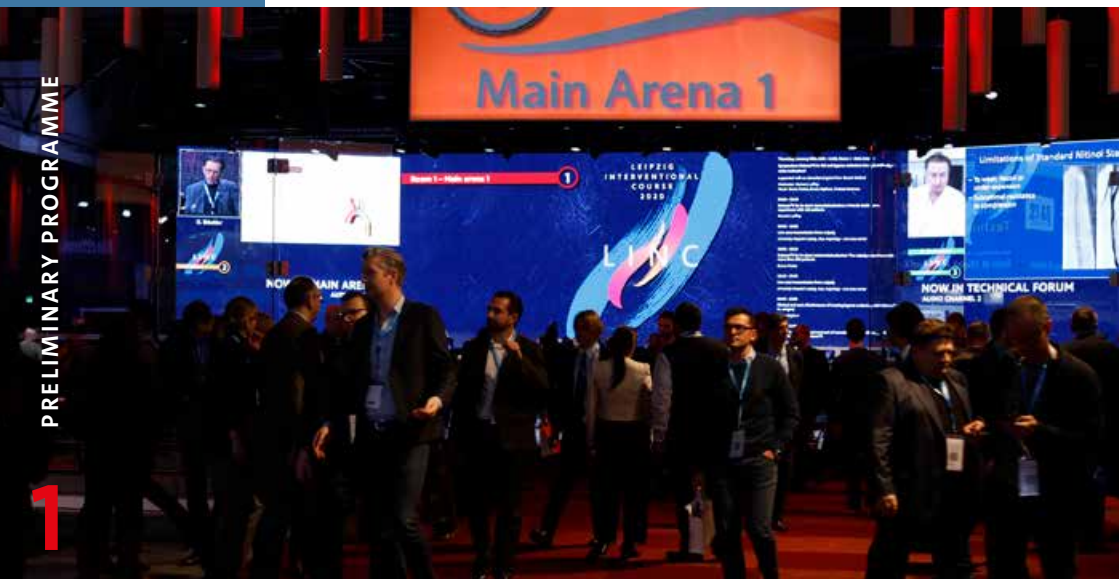
LATE BREAKING TRIAL discussion*Moderator: Dierk Scheinert**Guests: Sabine Steiner, Kenny Rosenfield, Thomas Zeller, Marianne Brodmann*

- 14:20 – 15:05 **LATE BREAKING TRIAL SESSION: New data and innovative concepts for treatment of femoral arteries – part II**
Moderators: Thomas Zeller, Sabine Steiner
Panel: Brian DeRubertis, Ehrin Armstrong, Koen Deloose
FOCUS ON NEW DATA FOR COMPLEX LESIONS
- 14:20 – 14:25 IN.PACT global 4 year DCB alone vs. DCB + provisional stenting outcomes
Gunnar Tepe
- 14:25 – 14:30 24 month outcomes of the combination of Luminor and iVolution in 24 cm lesions: TINTIN trial *Koen Deloose*
- 14:30 – 14:35 12 month outcomes from the Japanese post-market surveillance study of the Viabahn endoprosthesis as treatment for symptomatic peripheral arterial disease in the superficial femoral arteries *Osamu Iida*
- 14:35 – 14:40 Outcomes in CLI patients treated with DCB: 4 year results from the IN.PACT global study *Michel Reijnen*
- 14:40 – 14:45 REALITY study 12 month outcomes: safety and effectiveness of directional atherectomy followed by DCB *Brian DeRubertis*
- 14:45 – 14:50 Laser atherectomy combined with drug-coated balloon angioplasty is associated with improved 1 year outcomes for the treatment of Tosaka II and III femoropopliteal in-stent restenosis *Ehrin Armstrong*
- 14:50 – 14:55 In-tack restenosis vs. in-stent restenosis *Raghu Kolluri*
- 14:55 – 15:00 TORUS2 Late breaking clinical trial data: Preliminary 12-month results from interim analysis of the TORUS stent graft *Michael Lichtenberg*
- 15:00 – 15:05 Fully percutaneous femoropopliteal bypass of complex PAD: population analysis and 24 month results from the DETOUR1 clinical trial *Michael Piorkowski*

15:05 – 15:15



LINC Studio:

LATE BREAKING TRIAL discussion*Moderator: Dierk Scheinert**Guests: Koen Deloose, Gunnar Tepe, Brian DeRubertis, Michael Piorkowski*

- 15:15 – 16:30 **SYMPOSIUM: Image guided therapy for lower limb revascularisation: state of the art**
supported by Philips
Moderator: Theodosios Bisdas
Panel: Daniel van den Heuvel, Osamu Iida, Nicolas Shammass
- 15:15 – 15:20 Introduction
- 15:20 – 15:28 Utilizing complementary imaging modalities to guide strategy and optimize outcomes
Daniel van den Heuvel
- 15:28 – 15:36 The ABCs of intravascular imaging in contemporary lower limb revascularisation
Osamu Iida
- 15:36 – 15:56 ■ *Live case transmission from Arnsberg*
- 15:56 – 16:04 An optimized angioplasty paradigm: image guided dissection detection and management with a first of its kind dissection repair device *Nicolas Shammass*
- 16:04 – 16:24 ■ *Recorded case presentation: See clearly treat optimally masterclass* *John Rundback*
- 16:24 – 16:30 Discussion and conclusion
- 16:30 – 16:45
-  LINC Studio:
Beyond angiography: IVUS and OCT in clinical routine
Moderator: Dierk Scheinert
Guests: Andrej Schmidt, Arne Schwindt, Michael Lichtenberg
- 16:45 – 17:45 **SYMPOSIUM: A spotlight on venous intervention. An insight into when and how**
supported by Boston Scientific
Moderator: Michael Jaff
Panel: Gerard O'Sullivan, Michael Lichtenberg, Carsten Arnoldussen
- *Live case transmission from Modena*
- FLASH PRESENTATION:
Vici venous stent – clinical outcomes and patency at 3 years.
Results from the Arnsberg venous registry *Michael Lichtenberg*
- *Live case transmission from Modena*
- Q&A, discussion, and closure
- 17:45 – 18:00
-  LINC Studio:
Venous Interventions: Where do we stand?
Moderator: Dierk Scheinert
Guests: Gerry O'Sullivan, Michael Jaff, Nils Kucher, Raghu Kolluri
- 18:00 – 19:00 **SYMPOSIUM: Strategies for treating long-segment aortoiliac artery occlusions**
supported by Gore & Associates
Moderator: Gianmarco de Donato
Panel: Michele Antonello, Tomislav Stojanovic, Jorge Fernández Noya
- 18:00 – 18:05 Introduction *Gianmarco de Donato*
- 18:05 – 18:20 Aortoiliac occlusive complex disease: how to treat TASC CD *Michele Antonello*
- 18:20 – 18:35 Challenging iliac occlusive cases treated with covered stents *Tomislav Stojanovic*
- 18:35 – 18:50 ■ *Recorded case presentation: iliac occlusive disease treated with GORE® VIABAHN® VBX balloon expandable endoprosthesis* *Jorge Fernández Noya*
- 18:50 – 19:00 Discussion and conclusion *Gianmarco de Donato*

- 12:30 – 13:15 **LUNCH SYMPOSIUM: Custom solutions: innovation through collaboration**
 supported by Terumo Aortic
Moderator: Mohammad Hamady
Panel: Rob Williams, Lydia Hanna, Martin Czerny
- 12:30 – 12:35 Introduction
- 12:35 – 12:45 Fenestrated Anaconda: delivering longterm efficacy – the DeFINE series
Rob Williams
- 12:45 – 12:55 Custom relay proximal scallop – midterm to longterm outcomes
Lydia Hanna
- 12:55 – 13:05 RelayBranch – early and midterm results *Martin Czerny*
- 13:05 – 13:15 Q&A, discussion, and conclusion



07:00 – 08:13

LINC 2021 CONNECT – China: “Leave nothing behind” – advanced treatment concepts for complex lesions – Part I

partially supported by Medtronic

*Chairmen: Zhong Chen, Wei Guo**Moderators: Dierk Scheinert, Thomas Zeller*

07:00 – 07:06

What is vessel preparation and why is it important? *Fabrizio Fanelli*

07:06 – 07:12

Minimising dissection with the Chocolate balloon *Min-yi Yin*

07:12 – 07:18

Directional atherectomy as a vessel preparation tool – evidence and practice

Brian DeRubertis

07:18 – 07:26

Panel discussion

07:26 – 08:01

■ *Live case transmission from Guangzhou*

08:01 – 08:07

Efficacy of IN.PACT Admiral DCB – highlights of the IN.PACT Admiral

clinical program *Yi Yang*

08:07 – 08:13

My “leave nothing behind” algorithm *Xin Jia*

08:13 – 09:00

LINC 2021 CONNECT – China: “Leave nothing behind” – advanced treatment concepts for complex lesions – Part II*Chairmen: Zhong Chen, Wei Guo**Moderators Dierk Scheinert, Thomas Zeller*

08:13 – 08:19

DES vs. DCB+BMS are they the same? Insights from the REACT study

Koen Deloose

08:19 – 08:48

■ *Live case transmission from Leipzig*

08:48 – 08:54

The transition from open endarterectomy to interventional treatment

of the CFA – how far have we come? *Martin Malina*

08:54 – 09:00

Interventional treatment of the common femoral artery –

update on the PESTO trial *Thomas Zeller*

09:00 – 09:05


LINC Studio:
Start into day 2
Moderators: Dierk Scheinert, Sabine Steiner

09:05 – 10:20

Sirolimus coated balloon: what the FUTURE holds for PAD

supported by Concept Medical

*Moderator: Jos van den Berg**Panel: Dierk Scheinert, Ulf Teichgräber, Edward Choke, Francesco Liistro*

09:05 – 09:13

MagicTouch SCB with Nanolute technology – prospect and appraisal over paclitaxel, insights from the latest pre-clinical data *Aloke Finn*

09:13 – 09:21

12 month results of MagicTouch XTOSI trial for SFA and BTK disease *Edward Choke*

09:21 – 09:29

MagicTouch PTA in BTK and SFA disease – case reviews and discussion *Edward Choke*

09:29 – 09:35

Updates on FUTURE-SFA and FUTURE-BTK randomised controlled trials *Jackie Ho*

09:35 – 09:55

■ *Live case transmission from Berlin*

09:55 – 10:00

Discussion / SIRONA *Ulf Teichgräber*

10:00 – 10:08

SirPAD – the largest randomised trial with a Sirolimus coated balloon for peripheral arterial disease treatment *Stefano Barco*


10:08 – 10:14

Debate BTK Duell trials *Francesco Liistro*

10:14 – 10:20

Discussion and conclusion

10:20 – 10:25


LINC Studio:
The challenge of venous interventions
*Moderator: Dierk Scheinert**Guest: Andrej Schmidt*

- 10:25 – 11:40 Acute deep vein thrombosis and post-thrombotic syndrome**
Moderators: Rick de Graaf, Michael Lichtenberg
Panel: Gerard O'Sullivan, Tim Sebastian, Stefano Barco, Rolf Engelberger, Christian Erbel
- 10:25 – 10:45 ■ *Live case transmission from Zurich*
- 10:45 – 10:51 COVID-19 and venous thromboembolism *Stefano Barco*
- 10:51 – 10:57 Thrombolysis techniques for iliofemoral DVT *Rolf Engelberger*
- 10:57 – 11:03 Mechanical thrombectomy techniques for iliofemoral DVT *Gerard O'Sullivan*
- 11:03 – 11:09 3 year clinical outcomes of dedicated nitinol stents for acute deep vein thrombosis, post-thrombotic syndrome and non-thrombotic iliac vein lesions *Tim Sebastian*
- 11:09 – 11:15 The TOPOS study: 1 year clinical outcomes of a hybrid oblique nitinol stent for PTS patients with common iliac vein compression *Christian Erbel*
- 11:15 – 11:21 Antithrombotic therapy after venous stents *Raghu Kolluri*
- 11:21 – 11:40 ■ *Live case transmission from Zurich*

11:40 – 11:45



LINC Studio:

Interventional management of AV-shunt and central vein stenoses
Moderators: Dierk Scheinert, Sabine Steiner

11:45 – 12:10

Pioneering approaches and new data: focus on venous and AV-shunt treatment
Moderators: Marianne Brodmann, Michael Lichtenberg
Panel: Robert Shahverdian, Tobias Steinke

11:45 – 11:50

FIRST TIME DATA RELEASE:

 The IN.PACT AV access trial: subset outcomes through 12 month *Andrew Holden*

11:50 – 11:55

 The IN.PACT AV access trial: economic outcomes *Robert Lookstein*

11:55 – 12:00

 VIVO clinical study: Zilver Vena stent – 12 month results *Lawrence Hofmann*

12:00 – 12:05

 Data from the ABRE study: clinical patient presentations in iliofemoral venous outflow obstruction – aDVT, PTS, NIVL *Erin Murphy*

12:05 – 12:10

FIRST TIME DATA RELEASE:

 Retrospective comparison of surgical AV access fistula creation vs. pAVF creation *Robert Shahverdian*

12:10 – 12:25

Pulmonary embolism management: percutaneous mechanical thrombectomy for acute PE

supported by Penumbra

Speaker: Juan José Ciampi Dopazo

12:25 – 12:30



LINC Studio:

**Pulmonary embolism management:
 A perspective on the role of mechanical thrombectomy**
Moderators: Dierk Scheinert, Sabine Steiner
Guests: Kenneth Rosenfield, Juan José Ciampi Dopazo

12:30 – 13:15

**LUNCH SYMPOSIUM: Leading with evidence:
ranger low dose drug coated balloon**

supported by Boston Scientific

*Moderator: Koen Deloose**Panel: Marianne Brodmann, Sabine Steiner, Gergana T. Taneva*

12:30 – 12:32

Introduction

12:32 – 12:40

New insights from Ranger DCB in challenging lesions and demographics

Marianne Brodmann

12:40 – 12:45

Panel discussion

12:45 – 12:53

New insights from COMPARE 2 year, low dose vs. high dose DCB *Sabine Steiner*

12:53 – 12:58

Panel discussion

12:58 – 13:06

Optimizing DCB performance with Jetstream atherectomy *Gergana T. Taneva*

13:06 – 13:11

Panel discussion

13:11 – 13:15

Q&A, discussion, and conclusion

13:15 – 13:20



LINC Studio:

Building a venous programme*Moderators: Dierk Scheinert, Sabine Steiner**Guest: Tobias Hirsch*

13:20 – 15:00

Endovascular procedures for the deep venous system*Moderators: Houman Jalaie, Gerard O'Sullivan**Panel: Tobias Hirsch, Raghu Kolluri, Olivier Hartung*

13:20 – 13:34

■ *Live case transmission from Zurich*

13:34 – 13:47

■ *Recorded case presentation Gerard O'Sullivan*

13:47 – 13:53

IVC obstruction and heart failure with preserved ejection fraction *Tim Sebastian*

13:53 – 13:59

IVUS for guiding venous procedures: fancy tool or relevant for clinical outcomes?

Rick de Graaf

13:59 – 14:05

Can advanced venographic techniques substitute IVUS? *Olivier Hartung*

14:05 – 14:11

Iliocaval skip stenting technique for chronic venous obstruction *Houman Jalaie*

14:11 – 14:17

Deep venous stenting: is there a relation between clinical outcomes and

stent shape? *Gerard O'Sullivan*

14:17 – 14:23

Recent data on approved venous stents *Michael Lichtenberg*

14:23 – 14:29

Any role of open surgery for the deep veins left? *Stephen Black*

14:29 – 14:45

■ *Live case transmission from Zurich*

14:45 – 15:00

Q&A, discussion, and conclusion

15:00 – 15:05



LINC Studio:

Is debulking a valid concept?*Moderator: Dierk Scheinert**Guests: Giancarlo Biamino, Thomas Zeller*

15:05 – 16:35

SYMPOSIUM: The reality of PAD and calcium: treatment strategies for improved outcomes

supported by Medtronic

*Moderator: Dierk Scheinert**Panel: Thomas Zeller, Giovanni Torsello, Ravish Sachar, Ralf Langhoff*■ *Live case transmission from Leipzig*

15:05 – 16:05

Redefining the management of PAD: a critical look at calcium *Ralf Langhoff*

16:05 – 16:09

Clinical evidence for vessel preparation followed by DCB in the most

16:09 – 16:13

challenging lesions *Ravish Sachar*

16:13 – 16:17

Panel discussion

16:17 – 16:21

DCB after vessel prep: what is the clinical evidence for long-term effectiveness of DCB to reduce reinterventions? *Giovanni Torsello*

16:21 – 16:33


Additional strategies, tools and techniques for peripheral vascular therapies:

a pre-recorded case *Thomas Zeller*

16:33 – 16:35

Closing remarks

16:35 – 16:40


 LINC Studio:
The challenge of venous interventions
Moderators: Dierk Scheinert, Sabine Steiner

16:40 – 17:55

SYMPOSIUM: Overcoming challenges in treating iliofemoral deep vein thrombosis

supported by BD

*Moderator: Michael Lichtenberg**Panel: Bruno Freitas, Gerard O'Sullivan, Houman Jalaie*

16:40 – 16:48

Building a venous practice with a multidisciplinary team *Gerard O'Sullivan*

16:48 – 17:12

■ *Recorded case with Aspirex™S in iliofemoral deep vein thrombosis:**tips and tricks Bruno Freitas*

17:12 – 17:17

24-month results of the Venovo™ Venous Stent System VERNACULAR trial

Gerard O'Sullivan

17:17 – 17:35

■ *Recorded case: recanalization of chronic iliofemoral venous occlusion in a patient with PAD Houman Jalaie*

17:35 – 17:55

Panel discussion

17:55 – 18:00


 LINC Studio:
Aortic interventions – Current challenges
Moderator: Dierk Scheinert
Guests: Andrej Schmidt, Daniela Branzan

18:00 – 19:10	<p>SYMPOSIUM: Real-world experience to address aortic challenges: expert panel case discussion on treatment algorithms supported by Gore & Associates <i>Moderator: Marc van Sambeek</i> <i>Panel: Theodosios Bisdas, Nimesh Desai, Mauro Gargiulo</i> Introduction from the moderator <i>Marc van Sambeek</i> ■ <i>Live case transmission from Genoa</i> Understanding anatomical complexity and strategies to treat it <i>Mauro Gargiulo</i> Q&A Ensuring clinical effectiveness in challenging EVAR <i>Marc van Sambeek</i> Q&A Discussion ■ <i>Recorded TEVAR case</i> <i>Theodosios Bisdas</i> Q&A Aortic remodeling after thoracic endovascular aortic repair of type B aortic dissections <i>Nimesh Desai</i> Q&A Early endovascular treatment of type B dissection: facts to consider and technical learnings <i>Dittmar Böckler</i> Q&A Discussion and conclusion</p>
18:00 – 18:01	
18:01 – 18:20	
18:20 – 18:25	
18:25 – 18:27	
18:27 – 18:32	
18:32 – 18:34	
18:34 – 18:39	
18:39 – 18:49	
18:49 – 18:51	
18:51 – 18:56	
18:56 – 18:58	
18:58 – 19:03	
19:03 – 19:05	
19:05 – 19:10	

12:30 – 13:15

LUNCH SYMPOSIUM: What mechanical thrombectomy could bring to current VTE practice: update on clinical data and personal experience from the US

supported by Inari Medical

Moderator: Gerard O'Sullivan

Panel: Steve Abramowitz, Mike Jolly

Panel discussion:

- FLASH registry data – pulmonary embolism cases
- CLOUT registry data – deep vein thrombosis cases
- Impact of building a VTE Practice



07:00 – 09:00

LINC 2021 CONNECT – joint session with JET

partially supported by BD

*Moderators: Dierk Scheinert, Hiroyoshi Yokoi**Panel: Kazushi Urasawa, Giancarlo Biamino, Ralf Langhoff*

07:00 – 07:35

■ **Live case transmission from Amagasaki**

07:35 – 07:40

CTO technique and the step-up PTA approach *Kazushi Urasawa*

07:40 – 07:45

Subintimal recanalisation of peripheral occlusive disease with IVUS guided true lumen re-entry *Igor Rafael Sincos*

07:45 – 07:50

The challenge of treating multivessel disease to preserve future treatment options: a case example *Erwin Blessing*

07:50 – 07:55

Japan update: optimal strategies for vessel preparation and DCB usage *Daizo Kawasaki*

07:55 – 08:00

Update on Paclitaxel safety from the results of Japanese patients analysis *Masato Nakamura*

08:00 – 08:05

Treatment strategy for fempop critical limb-threatening ischemia *Tatsuya Nakama*

08:05 – 08:45

■ **Live case transmission from Leipzig**

08:45 – 08:50

4F endovascular treatment is as safe and effective as 6F with no need for VCD: full cohort analysis of the BIO4AMB multicenter trial *Jos van den Berg*

08:50 – 08:55


IVUS guided atherectomy and DCB of calcified infrapopliteal disease: PRESTIGE trial update *Michael Lichtenberg*

08:55 – 09:00

Rotational atherectomy in common femoral artery – endovascular treatment in a difficult-to-treat 'surgical' territory *Grigorios Korosoglou*

09:00 – 09:05

LINC Studio:


Start into day 3
Moderators: Dierk Scheinert, Sabine Steiner

09:05 – 10:20

Redefining vascular treatment strategy for AVF and AVG:**a deep dive into Sirolimus coated balloon designed with Nanolute technology**

supported by Concept Medical

*Moderators: Konstantinos Katsanos, Tjun Tang**Panel: Ounali Jaffer, Tze Tec Chong*

09:05 – 09:15

Treatment of AVF stenosis with DCBs: Advantages of Sirolimus over Paclitaxel *Aloke Finn*

09:15 – 09:27

MagicTouch use at the graft-vein junction in thrombosed AVGs – 1 year outcome data *Chieh Suai Tan*

09:27 – 09:33

MATILDA trial 1 year outcomes *Tjun Tang*

09:33 – 09:48


■ **AVF recorded live case from Singapore General Hospital** *Tze Tec Chong, Tjun Tang*

09:48 – 10:20

Discussion and conclusion

10:20 – 10:25

LINC Studio:


Current status of carotid interventions – Part I
*Moderators: Dierk Scheinert, Sabine Steiner**Guests: Sebastian E. Debus, Alberto Cremonesi*

- 10:25 – 11:25** **Innovative concepts in carotid revascularisation**
Moderators: Alberto Cremonesi, Marc van Sambeek
Panel: E. Sebastian Debus, Piero Montorsi, Horst Sievert
- 10:25 – 10:30** 12 month results from a prospective real-world multicenter clinical practice of CAS using the CGuard Embolic Prevention system: the IRONGUARD 2 study *Pasqualino Sirignano*
- 10:30 – 10:55** ■ *Live case transmission from Berlin*
- 10:55 – 11:00** Interim 30 day safety outcomes in symptomatic and asymptomatic patients treated with the Roadsaver dual-layer micromesh carotid artery stent: evidence from a large multicentre European ROADSAYER study *Ralf Langhoff*
- 11:00 – 11:05** The safety and effectiveness of carotid revascularisation with the Acculink stent and the CGuard stent. Independent randomized study *Savr Bugurov*
- 11:05 – 11:10** Proximal protection for carotid artery stenting: a preferred solution for all-comers *Piero Montorsi*
- 11:10 – 11:15** Carotid artery revascularisation: a systematic review and meta-analysis comparing clinical outcomes of second vs. first generations stents and CEA *Adam Mazurek*
- 11:15 – 11:20** Proximal vs. distal protection for carotid artery stenting: a review of the data *Eugenio Stabile*
- 11:20 – 11:25** State of the art medical management of carotid artery disease in the post COMPASS and VOYAGER study era *Raghu Kolluri*
- 11:25 – 11:30** LINC Studio:
 **Current status of carotid interventions – Part II**
Moderators: Dierk Scheinert, Sabine Steiner
Guests: Sebastian E. Debus, Alberto Cremonesi
- 11:30 – 12:15** **SYMPOSIUM: Roadsaver – the power of facts.**
Dual layer CAS and the growing body of new clinical evidence
 supported by Terumo
Moderator: Piero Montorsi
Panel: Andrea Kahlberg, Piotr Odrowaz-Pieniazek, Stefan Müller-Hülsbeck
- 11:30 – 11:33** Introduction *Piero Montorsi*
- 11:33 – 11:43** The vascular surgeon's perspective: Italian comparative experience of Roadsaver vs. other stents *Andrea Kahlberg*
- 11:43 – 11:45** Discussion
- 11:45 – 11:55** Carotid artery stenting with 300 Roadsaver stent implantations. Early and 4 year results *Piotr Odrowaz-Pieniazek*
- 11:55 – 11:57** Discussion
- 11:57 – 12:07** Roadsaver carotid artery stent for tandem lesions in acute ischemic stroke – the Flensburg experience *Stefan Müller-Hülsbeck*
- 12:07 – 12:15** Q&A, discussion, and closure
- 12:15 – 12:30** LINC Studio:
 **What is best practice in carotid revascularisation**
Moderators: Dierk Scheinert, Sabine Steiner
Guests: Eugenio Stabile, Ralf Kolvenbach, Martin Storck, Ralf Langhoff

12:30 – 13:15

LUNCH SYMPOSIUM: Sustained limus release will make a difference to your patients

supported by Medalliance

*Moderators: Michael Lichtenberg, Ehrin Armstrong**Panel: Tjun Tang, Marianne Brodmann*

12:30 – 12:35

Introduction *Ehrin Armstrong*

12:35 – 12:43

STEP UP with SELUTION SLR *Marianne Brodmann*

12:43 – 12:48

Panel discussion

12:48 – 12:56

Importance of “No” Slow Flow Phenomena *Tjun Tang*

12:56 – 13:01

Panel discussion


13:01 – 13:09

Why to choose Sirolimus for my CLI patients? *Michael Lichtenberg*

13:09 – 13:15

Panel discussion

13:15 – 13:30


**LINC Studio:
The challenge of thrombotic and embolic lesions:
Do we need specific strategies?**
*Moderators: Dierk Scheinert, Sabine Steiner**Guests: Andrej Schmidt, Thomas Zeller, Jos van den Berg*


13:30 – 13:45

Peripheral clot management – a paradigm shift in arterial clot removal: surgery to endovascular

supported by Penumbra

Speaker: Gianmarco de Donato

13:45 – 13:55


**LINC Studio:
What is best for in-stent-restenosis?**
*Moderators: Dierk Scheinert, Sabine Steiner**Guests: Andrej Schmidt, Thomas Zeller, Koen Deloose, Alope Finn*

13:55 – 15:10

SYMPOSIUM: Spotlight on challenging lower limb cases: tips and tricks for success

supported by BD

*Moderator: Dierk Scheinert**Panel: Bruno Freitas, Luis Palena, Marc Sirvent*

13:55 – 14:03

No increase in all-cause mortality with paclitaxel devices used in lower limb arterial interventions – an interim analysis of SWEDEPAD RCT data
Joakim Nordanstig

14:03 – 14:18

■ *Recorded case: the importance of vessel prep before DCB to fight against CLI recurrence* *Luis Palena*

14:18 – 14:33

■ *Recorded case: Chronic in-stent re-occlusion left SFA* *Sven Bräunlich*


14:33 – 14:53

■ *Recorded case: Rotarex™S: Rotational Atherothrombectomy Catheter for an extreme rescue of a previous iliofempop, endovascular treatment for CTLI*
Marc Sirvent

14:53 – 15:10

Q&A, discussion, and conclusion

15:10 – 15:15


**LINC Studio:
Moderators: Dierk Scheinert, Sabine Steiner**

- 15:15 – 16:30 **SYMPOSIUM: How predictability and evidence lead to proven patient outcomes** supported by Cook Medical
Moderator: Michael Dake
Panel: Thomas Zeller, Carlos Mena-Hurtado, Alope Finn, Michel Bosiers
- 15:15 – 15:25 When the benefit of Paclitaxel outweigh the risk *Thomas Zeller*
- 15:25 – 15:35 Prediction model for freedom from TLR from a multi-study analysis of long-term results with the Zilver PTX stent *Michael Dake*
- 15:35 – 15:45 How the prediction model impact my daily clinical practice
Carlos Mena-Hurtado
- 15:45 – 16:15 ■ *Live case transmission from Leipzig*
- 16:15 – 16:20 Pre-clinical impact of Eluvia *Alope Finn*
- 16:20 – 16:25 Clinical impact of Eluvia *Michel Bosiers*
- 16:25 – 16:30 Q&A, discussion, and conclusion

16:30 – 16:45



LINC Studio:

The challenge of vessel calcification*Moderators: Dierk Scheinert, Sabine Steiner**Guests: Alope Finn, Thomas Zeller, Andrej Schmidt*

16:45 – 18:45

CONNECT VIVA/LINC – Calcification: the last frontier in vascular therapy*Moderators: Sean Lyden, Maureen Kohi**Panel: Raghu Kolluri, Ehrin Armstrong*

16:45 – 16:50

Why does it form, what is the pathophysiology and is there a medical treatment on the horizon? *Raghu Kolluri*

16:50 – 16:55

Calcium grading systems, which one is most accurate? *Peter Schneider*

16:55 – 17:00

What are the best tools to prepare the calcified artery? Atherectomy, serration angioplasty, scoring, lithotripsy *Ehrin Armstrong*

17:00 – 17:10

Panel discussion

17:10 – 17:40

■ *Live case transmission from Leipzig***ADVICE ABOUT MANAGING CALCIFICATION IN DIFFERENT VASCULAR BEDS: VESSEL PREP, SCAFFOLDS, DRUG DELIVERY, AND OTHER ISSUES OF PROVIDING DEFINITIVE THERAPY IN THIS CHALLENGING SITUATION**

17:40 – 17:45

Carotid *Kenneth Rosenfield*

17:45 – 17:50

Aortoiliac *Saher Sabri*

17:50 – 17:55

SFA-pop *Niten Singh*

17:55 – 18:00

Tibial and BTA *Venita Chandra*

18:00 – 18:15

Panel discussion

18:15 – 18:45

■ *Live case transmission from Kingsport*

18:45 – 19:00



LINC Studio:

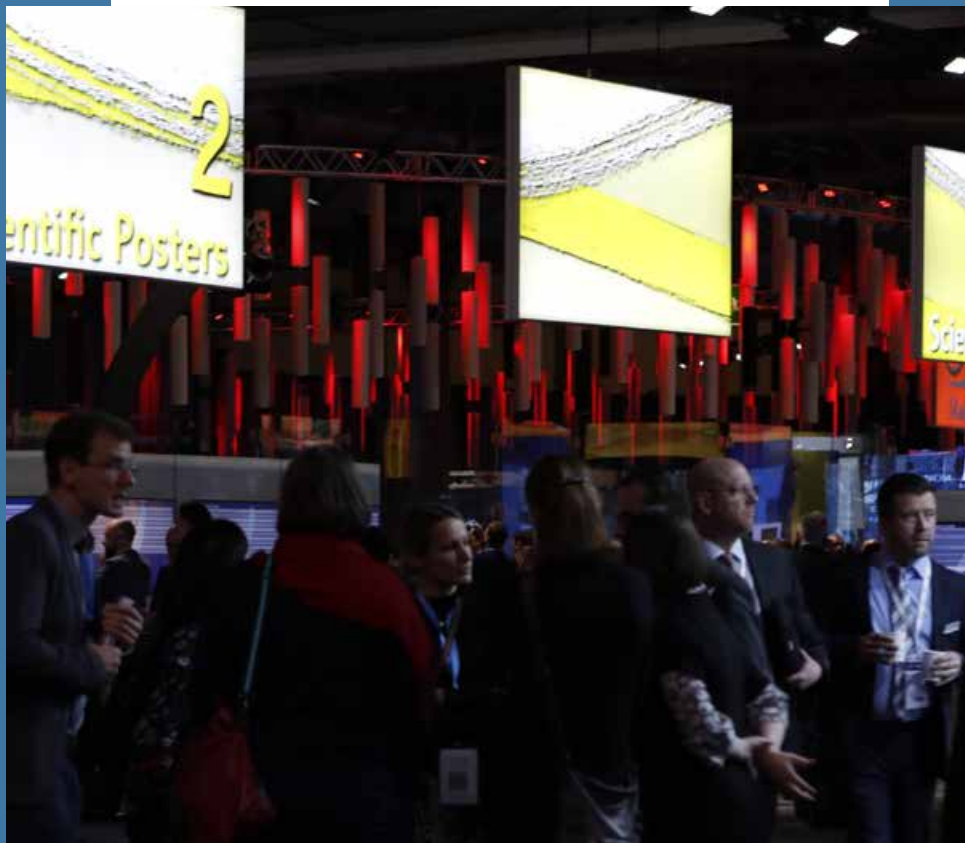
Current practice with drug-eluting devices*Moderators: Dierk Scheinert, Sabine Steiner**Guests: Thomas Zeller, Andrej Schmidt*

19:00 – 20:20	VIVA/LINC – Joint session on the current status and future of drug-eluting therapies	 
	<i>Moderators: Dierk Scheinert, Peter Schneider</i>	
	<i>Panel: Andrew Holden, Marianne Brodmann, Robert Lookstein</i>	
19:00 – 19:03	Introduction by the moderators <i>Dierk Scheinert, Peter Schneider</i>	
19:03 – 19:08	Insights on Paclitaxel safety from the femoral-popliteal RCTs <i>Peter Schneider</i>	
19:08 – 19:13	Insights on Paclitaxel safety from femoral-popliteal real-world data <i>Eric Secemsky</i>	
19:13 – 19:18	How does the Voyager data help us understand the risks of Paclitaxel? <i>Marc Bonaca</i>	
19:18 – 19:23	Paclitaxel safety in patients with CLTI <i>Marianne Brodmann</i>	
19:23 – 19:28	Newly FDA-approved Paclitaxel devices for lower extremity and dialysis and the regulatory implications <i>Robert Lookstein</i>	
19:28 – 19:33	New data on Paclitaxel in the next couple of years; what should we expect? <i>Eva Freisinger</i>	
19:33 – 19:45	Panel discussion	
19:45 – 19:50	Paclitaxel vs. limus agents. Mechanism of action, what are the challenges to move beyond Paclitaxel? <i>Sahil Parikh</i>	
19:50 – 19:55	Previous experience with limus compounds in the non-coronary arteries; lessons learned <i>Thomas Zeller</i>	
19:55 – 20:00	New limus delivering devices for above and below knee occlusive disease; when to expect results? <i>Andrew Holden</i>	
20:00 – 20:10	Blue horizon keynote speech: Potential for drug delivery in the treatment of lower extremity occlusive disease: what will the practice look like in 5 years? <i>Dierk Scheinert</i>	
20:10 – 20:20	Panel discussion	



09:05 – 09:50	Guide wires: You know your skills ... do you know your tools? supported by Abbott Vascular
09:05 – 09:08	Live introduction <i>Andrej Schmidt</i>
09:08 – 09:13	History of Abbott wires <i>Jonathan Durcan</i>
09:13 – 09:20	Understanding the technical characteristics of GW <i>Andrej Schmidt</i>
09:20 – 09:25	Panel discussion
09:25 – 09:45	■ <i>Case example</i> <i>Lieven Maene, Jonathan Durcan</i>
09:45 – 09:50	Q&A, discussion, and conclusion
11:30 – 12:25	DEEP DIVE SESSION: Venous interventions <i>Moderator: Tobias Hirsch</i>
	<i>Panel: Rick de Graaf, Houman Jalaie</i>
11:30 – 11:35	Economic burden of venous leg ulcers resulting from underlying deep vein disease, review of a 7 country cost analysis <i>Raghu Kolluri</i>
11:35 – 11:40	New classification of pelvic venous disease <i>Kathleen Gibson</i>
11:40 – 11:45	Interventional management of venous leg ulcers secondary to deep vein obstruction: rationale and design of the IGuideU randomized controlled trial <i>Paul Gagne</i>
11:45 – 11:50	Patient profile for iliofemoral venous obstruction: which ones require stenting? <i>Erin Murphy</i>
11:50 – 11:55	Hip biomechanics and venous stent durability testing <i>Kush Desai</i>
11:55 – 12:00	Deep venous stenting in the PTS patient <i>Marta Ramirez Ortega</i>
12:00 – 12:05	Extreme reinterventions for failed iliofemoral venous stents <i>Rick de Graaf</i>
12:05 – 12:10	Venous disorder case study: iliofemoral occlusion and venous reflux (deep, pelvic, and superficial) <i>Marzia Lugli</i>
12:10 – 12:15	The impact of simultaneous GSV and AASV treatment – the SYNCHRONOUS trial <i>Tobias Hirsch</i>
12:15 – 12:20	Pelvic venous insufficiency: causes classification, diagnosis, and treatment options <i>Marta Ramirez Ortega</i>
12:20 – 12:25	PCS case discussion <i>David Beckett</i>

- 12:30 – 13:15 **LUNCH SYMPOSIUM: LINC and LEARN: the consistency of intravascular lithotripsy (IVL) across multiple vessel beds** supported by Shockwave
Moderator: Thomas Zeller
Panel: Arne Schwindt, Francesco Liistro, George Adams
- 12:30 – 12:35 Introduction, IVL mechanism of action, and historical perspective
Thomas Zeller
- 12:35 – 12:45 Insights from the DISRUPT PAD III RCT in severely calcified fempop lesions
Arne Schwindt
- 12:45 – 12:55 DISRUPT PAD III observational study – below-the-knee subset *George Adams*
- 12:55 – 13:05 IVL – a reliable and efficacious vessel preparation strategy *Francesco Liistro*
- 13:05 – 13:15 Q&A, discussion, and conclusion





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MEDI  ENTURES

AUDIOVISUAL PRODUCTIONS FOR THE MEDICAL, MORE ADVENTUROUS WORLD

- 07:00 – 09:00** **Challenges in EVAR: focus on aortic dissections and innovations for aortic arch treatment**
partially supported by Gore & Associates
Moderators: Tilo Kölbel, Andrew Holden
Panel: Ralf Kolvenbach, Vicente Riambau, Wei Guo, Vikram Puttaswamy
- 07:00 – 07:25* ■ **Live case transmission from Leipzig**
- 07:25 – 07:30* Type A aortic dissection – current knowledge gaps *Michael Borger*
- 07:30 – 07:35* Open and endovascular surgery after frozen elephant trunk for extensive aortic aneurysms *Michael Jacobs*
- 07:35 – 07:40* WeFlow-Arch™: a new modular double inner branch stent graft for endovascular repair of aortic arch pathology *Wei Guo*
- 07:40 – 07:45* Off-the-shelf treatment of aortic arch pathologies with Nexus *Michele Antonello*
- 07:45 – 07:50* The role of in situ fenestration in complex aortic arch repair *Ralf Kolvenbach*
- 07:50 – 07:55* Optimizing TEVAR outcomes in acute and subacute type B aortic dissections, what is the right amount of radial force? *Stefano Fazzini*
- 07:55 – 08:00* Tailoring the treatment of fragile aorta with the Valiant Navion covered seal device: my clinical experience in TBAD *Theodoros Kratimenos*
- 08:00 – 08:05* Conformability and dissection, is it important? *Joseph Hockley*
- 08:05 – 08:10* Identifying at risk patients: who could benefit from TEVAR in uncomplicated type B dissections *Vikram Puttaswamy*
- 08:10 – 08:15* Short-term results of TEVAR in complicated vs. uncomplicated acute type B aortic dissection: a report from the Gore Global Registry for Endovascular Aortic Treatment (GREAT) *Santi Trimarchi*
- 08:15 – 08:20* Meeting an unmet need: the DISSECT-N trial *Robin Hendricus Heijmen*
- 08:20 – 08:25* Treatment approaches for the distal landing zone for type B dissection *Andrew Holden*
- 08:25 – 08:30* Multicentre data on the usage of large covered stents in aortic blisters/PAU instead of an EVAR device *Nikolaos Tsilimparis*
- 08:30 – 08:50* ■ **Live case transmission from Universitätsklinik für Herzchirurgie Leipzig, Leipzig**
- 08:50 – 09:00* Q&A, discussion, and conclusion
- 09:00 – 09:15**
-  **LINC Studio:**
Start into day 4
Moderators: Dierk Scheinert, Daniela Branzan
Guest: Tilo Kölbel
- 09:15 – 10:15** **SYMPOSIUM: EVAR imaging innovations for a safer treatment**
supported by Siemens Healthineers
Moderator: Eric Verhoeven
Panel: Hayato Morimura, Michael Moche, Maani Hakimi
- 09:15 – 09:20* Introduction
- 09:20 – 09:25* Artificial intelligence algorithm for an automated assessment of the thoracic aorta *Johannes Rückel*
- 09:25 – 09:30* Coil embolization of internal iliac arteries before EVAR: experience with fusion imaging *Hayato Morimura*
- 09:30 – 10:00* ■ **Live case transmission from Münster**
- 10:00 – 10:05* Preconditioning before EVAR with multimodality imaging for embolisation of aortic side branches *Michael Moche*
- 10:05 – 10:10* Ultra low dose EVAR: first results *Maani Hakimi*
- 10:10 – 10:15* Q&A, discussion, and conclusion

10:15 – 10:45



LINC Studio:

Strategies for optimizing EVAR and reduction of complications*Moderators: Dierk Scheinert, Daniela Branzan**Guests: Andrej Schmidt, Eric Verhoeven, Tilo Kölbel*

10:45 – 12:15

Advanced concepts for Thoracic Endovascular Aortic Repair (TEVAR)*Moderators: Marc van Sambeek, Jean-Pierre Becquemin**Panel: Martin Malina, Martin Austermann, Dittmar Böckler*

10:45 – 10:51

Fiber Optic RealShape (FORS) technology: 3D device guidance in practice
Tilo Kölbel

10:51 – 10:57

Clinical relevance of dynamic 4D analysis in the thoracic aorta throughout the cardiac cycle
Frans Moll

10:57 – 11:03

Addressing unmet clinical needs with a new generation TEVAR device: practical application of the Valiant Navion
Götz Richter

11:03 – 11:09

Valiant Navion: what have we learned about this next Generation TEVAR device: 1 year results from the global clinical trial and new morphology insights
Fabio Verzini

11:09 – 11:15

A multi-center, independent, real-world study of the Valiant Navion stent graft
Giovanni Tinelli

11:15 – 11:45

Live case transmission from Paris

11:45 – 11:51

Durable thoracic outcome throughout 5 year clinical follow up
Nimesh Desai

11:51 – 11:57

3 years of experience in more than 100 patients using TAG conformable with active control: what did we learn?
Dittmar Böckler

11:57 – 12:03

Endoanchors in TEVAR: how this application can add confidence to your practice
Robin Hendricus Heijmen

12:03 – 12:09

How does the Advanta V12 make a difference and leads the way
Tilo Kölbel

12:09 – 12:15

Q&A, discussion, and conclusion

12:15 – 12:20



LINC Studio:

Endovascular repair of the thoracic aorta and the arch*Moderators: Dierk Scheinert, Daniela Branzan**Guests: Michael Borger, Andrej Schmidt, Tilo Kölbel*

12:20 – 13:15

LUNCH SYMPOSIUM: From benchtop to bedside: elevating EVAR and TEVAR through Medtronic technologies
supported by Medtronic*Moderators: Vicente Riambau, Jean-Paul de Vries**Panelists: Henc Verhagen, Vikram Puttaswamy, Yamume Tshomba*

12:20 – 12:30

Why sac regression matters: how our experience with Endurant informs our practice
Henc Verhagen

12:30 – 12:40

How to approach challenging necks with off-the-shelf solutions
Vikram Puttaswamy

12:40 – 12:50

New features associated with Valiant Navion covered seal that tailor fragile aorta treatment
Yamume Tshomba

12:50 – 13:15


Discussion, Q&A

13:15 – 13:20



LINC Studio:

Moderators: Dierk Scheinert, Daniela Branzan

- 13:20 – 14:50 **EVAR for Thoracoabdominal Aortic Aneurysms (TAAA)**
Moderators: Giovanni Torsello, Stéphan Haulon
Panel: Eric Verhoeven, Mauro Gargiulo, Piotr Kasprzak
- 13:20 – 13:28 Knowledge driven approach to manage TAAAs *Tara Mastracci*
- 13:28 – 13:48 ■ *Live case transmission from Hamburg*
- 13:48 – 13:56 Overcoming challenging TAAAs anatomies with CMD endografts *Luca Bertoglio*
- 13:56 – 14:01 How to handle the specific anatomical issues in post-dissection-TAAA
Eric Verhoeven
- 14:01 – 14:06 Advantages of balloon expandable covered bridging stents in F/B/EVAR
 procedures: which one is best and why *Mauro Gargiulo*
- 14:06 – 14:11 The E-nside inner branches technology – an approach to make TAAA-EVAR
 more efficient? *Alexander Zimmermann*
- 14:11 – 14:16 Multicentre (London/Nuremberg) clinical experience in BEVAR procedures –
 what do new devices offer me as a surgeon *Said Abisi*
- 14:16 – 14:25 ■ *Live case transmission from Hamburg*
- 14:25 – 14:30 Insight in the German BEVAR approval study to get bridging stents approved
 for the indication *Martin Austermann*
- 14:30 – 14:35 New Advanta FEVAR and BEVAR long-term data *Eric Verhoeven*
- 14:35 – 14:40 Respiratory-induced dynamics of the BeGraft stent in FEVAR
Christopher Cheng
- 14:40 – 14:45 Spinal cord protection by selective spinal artery coil embolization –
 update on the PAPA-ARTIS trial *Christian Etz*
- 14:45 – 14:50 Open TAAA repair in patients with connective tissue disorders *Roberto Chiesa*
- 14:50 – 14:55  LINC Studio:
Moderators: Dierk Scheinert, Daniela Branzan



14:55 – 16:10 **SYMPOSIUM: Cook thoracic solution – expand your treatment options**

supported by Cook Medical

*Moderator: Eric Verhoeven**Panel: Nikolaos Tsilimparis, Germano Melissano, Nilo Mosquera*14:55 – 15:00 Introduction *Eric Verhoeven*

15:00 – 15:08 Zenith Alpha TAA: why Alpha TAA is my preferred thoracic endograft

*Nikolaos Tsilimparis*15:08 – 15:38 ■ *Live case transmission from Münster – part I*

15:38 – 15:46 Zenith Alpha TAA: clinical outcomes after 5 years of follow up

Germano Melissano

15:46 – 15:54 For emergent and standard cases: Zenith t-Branch does the job

*Nilo Mosquera*15:54 – 16:00 ■ *Live case transmission from Münster – part II*

16:00 – 16:10 Q&A



LINC Studio:

*Moderators: Dierk Scheinert, Daniela Branzan***16:10 – 16:15** **Current concepts, innovations, and open questions in EVAR of complex infrarenal aortoiliac aneurysms***Moderators: Giovanni Torsello, Frank Veith**Panel: Armando Lobato, Eric Verhoeven, Konstantinos Donas*16:15 – 16:40 ■ *Live case transmission from Paris*16:40 – 16:45 Best practices and technical learning on the on-label treatment of challenging necks: The EXCel registry *Marc van Sambeek*16:45 – 16:50 Contemporary options for treating juxtarenal aneurysm when infrarenal sealing is not enough *Konstantinos Donas*16:50 – 16:55 EndoAnchors can facilitate and maintain successful standard EVAR for AAAs with challenging proximal necks *Luis Mariano Ferreira*16:55 – 17:00 FEVAR technique – a case presentation *Eric Ducasse*17:00 – 17:05 4xFEVAR: is it always needed to stent the celiac artery? *Eric Verhoeven*17:05 – 17:10 Data on the 3 year clinical results of BeGraft in FEVAR *Stéphan Haulon*17:10 – 17:15 Insight in the German FEVAR approval study to get bridging stents approved for the indication *Eric Verhoeven*17:15 – 17:20 WeFlow-JAAA™: a new uncustomized device for juxtarenal AAA *Wei Guo*17:20 – 17:25 Type II endoleak and aortic aneurysm sac shrinkage after pre-emptive embolization of aneurysm sac side branches *Daniela Branzan*17:25 – 17:40 ■ *Live case transmission from Leipzig*17:40 – 17:45 How stent graft design influences overall AAA sac dynamics and overall therapy success *Ross Milner*17:45 – 17:50 EVAR long term perspectives: facts and figures from the GREAT registry experience at 5 years *Chandler Long*17:50 – 17:55 How and why do the Endurant endograft results for EVAR in France differ from the global results: what are the implications *Jean-Pierre Becquemini*17:55 – 18:00 How sac regression at 1 year affects all-cause mortality through 5 year: key insights from the ENGAGE registry *Michel Reijnen*

LINC Studio:

Strategies to avoid type II endoleaks*Moderators: Dierk Scheinert, Daniela Branzan**Guests: Piotr Kasprzak, Andrej Schmidt, Frans Moll*

- 18:10 – 18:55** **How should you approach patients with a vasculogenic erectile dysfunction?**
supported by Concept Medical
Moderators: Roxana Mehran, Giuseppe Sangiorgi
Panel: Theodosios Bisdas
- 18:10 – 18:15 Vasculogenic erectile dysfunction: We don't ask, they don't talk
Roxana Mehran
- 18:15 – 18:20 What current European guidelines suggest for the treatment of erectile dysfunction *Ferdinando Fusco*
- 18:20 – 18:26 How cardiologists should approach the patients with erectile dysfunction
Giuseppe Sangiorgi
- 18:26 – 18:32 Treatment of erectile dysfunction: from pills to balloons and stents
Nicolas Diehm
- 18:32 – 18:40 Clinical cases *Giuseppe Sangiorgi*
- 18:40 – 18:47 Clinical cases *Nicolas Diehm*
- 18:47 – 18:55 Panel discussion and conclusion

18:55 – 19:00



LINC Studio:
Moderator: Dierk Scheinert

19:00 – 20:30

SYMPOSIUM: Complex femoropopliteal lesions and new treatment options
supported by BD

Moderator: Dierk Scheinert

Panel: Miguel Montero-Baker, George Adams, Andrej Schmidt

19:00 – 19:30

■ *Live case transmission from Leipzig*

19:30 – 19:50

Prevalence of mixed morphology pathology within peripheral arterial disease
Miguel Montero-Baker

19:50 – 20:10

Overview of the Rotarex™ rotational atherectomy system
Miguel Montero-Baker

20:10 – 20:30

■ *Case review from US center* *George Adams*



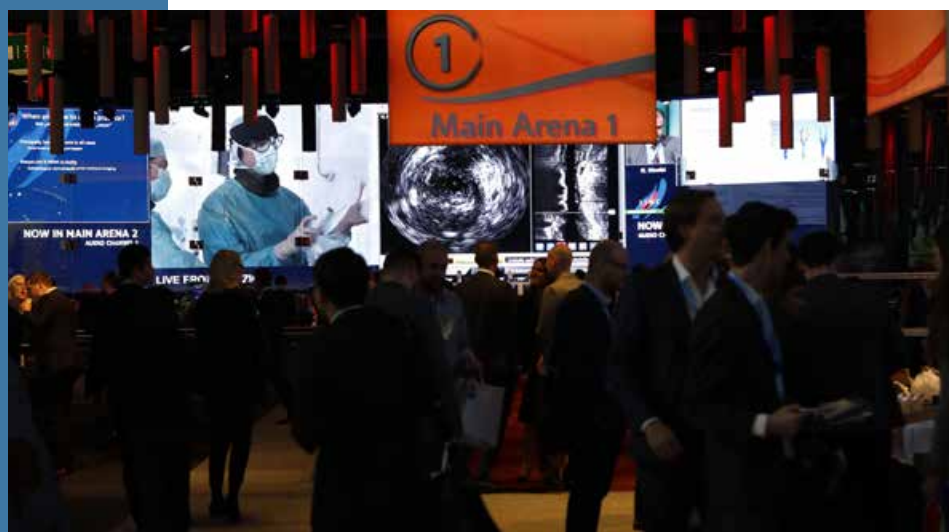
- 09:15 – 10:40** **Overcoming paclitaxel with sirolimus in PAD**
 partially supported by Concept Medical
 Paclitaxel issues and comparison with Sirolimus *Konstantinos Katsanos*
 Pre Clinical Sirolimus and paclitaxel comparison *Aloke Finn*
 Opportunity with Sirolimus balloon in US market *Sahil Parikh*
 ■ *Live case transmission from Singapore*
- 10:45 – 12:00** **DEEP DIVE SESSION: Innovations and new techniques in embolization therapies**
Moderators: Ulf Teichgräber, Walter Wohlgemuth
Panel: Costantino del Giudice, Marcus Katoh
- 10:45 – 10:51 Embolization against the clock – strategies and techniques
 in the management of hemorrhage *Marcus Treitl*
- 10:51 – 10:57 Hemorrhoids: embolic therapy to address bleeding, inflammation, and pain
Gloria Salazar
- 10:57 – 11:03 Bariatric embolization *Bernhard Gebauer*
- 11:03 – 11:09 Preoperative embolization of soft tissue sarkomas *René Aschenbach*
- 11:09 – 11:15 New therapeutic options for osteoarthritis *Marcus Katoh*
- 11:15 – 11:21 French SEAL registry update: Type II endoleak treatment outcomes using
 a liquid embolic agent *Costantino del Giudice*
- 11:21 – 11:27 Peripheral AVMs: clinical considerations for determining embolic selection
Walter Wohlgemuth
- 11:27 – 11:33 Pulmonary AVMs: different embolic agents and potential impact on clinical
 outcomes *Clifford Weiss*
- 11:33 – 11:48 ■ *Recorded case presentation: AVM-treatment* *Walter Wohlgemuth*
- 11:48 – 12:00 Q&A, discussion, and conclusion
- 12:30 – 13:15** **LUNCH SYMPOSIUM: Mastering challenges in lower limb interventions**
 supported by Terumo
Moderator: Michael Lichtenberg
Panel: Eric Ducasse, David Shaw, Koen Deloose
- 12:30 – 12:35 Introduction *Michael Lichtenberg*
- 12:35 – 12:45 CASE DISCUSSION: Tips and tricks for lesion crossing in patient
 with complex CLI *Eric Ducasse*
- 12:45 – 12:55 CASE DISCUSSION: Endovascular treatment of challenging fem-pop
 occlusive disease *David Shaw*
- 12:55 – 13:05 Introducing dual layer micromesh, a new era in fempop interventions
Koen Deloose
- 13:05 – 13:15 Q&A, discussion, and closure

- 07:00 – 09:00** **Novel techniques for treatment of complex BTK disease in CLI**
Moderators: Jos van den Berg, Steven Kum
Panel: Roberto Ferraresi, Andrew Holden, Luis Palena
 ■ *Live case transmission from 301 General Hospital of PLA, Beijing*
- 07:00 – 07:30 Tips and tricks for optimal angiographic imaging of BTK and foot arteries
Marco Manzi
- 07:30 – 07:35 Indirect vs. direct revascularisation for CLI treatment: best practice in 2021
Roberto Ferraresi
- 07:40 – 07:45 Balloon angioplasty of infrapopliteal arteries: a proposed algorithm for optimal endovascular treatment
Ehrin Armstrong
- 07:45 – 07:50 Is bigger better in BTK arteries? The role luminal gain and how to achieve it?
Steven Kum
- 07:50 – 07:55 The PRELUDE-BTK study: novel serration angioplasty balloon for below-the-knee arteries
Andrew Holden
- 07:55 – 08:25 ■ *Live case transmission from Abano Terme*
- 08:25 – 08:30 Dissection repair in below-the-knee: evidence review and learnings from the TOBA II BTK trial
Michael Lichtenberg
- 08:30 – 08:35 Where do we stand with DCB therapy in BTK arteries?
Francesco Liistro
- 08:35 – 08:40 The drug-coated temporary spur stent system: innovation in drug delivery for treating CLI
Jihad Mustapha
- 08:40 – 08:45 XTOSI 12 month results: Xtreme Touch-Neo (MagicTouch PTA) Sirolimus coated balloon for peripheral arterial disease
Edward Choke
- 08:45 – 08:50 BTK interventions in 2025: what is going to help to make BTK procedures more effective?
William Gray
- 08:50 – 09:00 Discussion and conclusion

09:00 – 09:15



LINC Studio:

Start into day 5 – Advanced techniques for BTK interventions*Moderators: Dierk Scheinert, Sabine Steiner**Guests: Marianne Brodmann, Jos van den Berg, Francesco Liistro, Steven Kum*

09:15 – 10:30

SYMPOSIUM: Guidewire strategy for difficult BTK recanalisation

supported by Asahi Intecc

*Moderator: Roberto Ferraesi**Panel: Koen Deloose, Ralf Langhoff, Daniel van den Heuvel*

09:15 – 09:20

Introduction *Roberto Ferraesi*

09:20 – 09:30

Selecting the right wire for the right case *Koen Deloose*

09:30 – 09:40

Crossing tough CTOs *Ralf Langhoff*

09:40 – 09:50

My experience with Gladius MG PV *Daniel van den Heuvel*

09:50 – 10:20

■ *Live case transmission from Leipzig*

10:20 – 10:30

Q&A, discussion, and conclusion

10:30 – 10:45

LINC Studio:

Revascularization strategies in CLI-interventions*Moderators: Dierk Scheinert, Sabine Steiner**Guests: Steven Kum, Roberto Ferraesi, Marianne Brodmann*

10:45 – 12:15

Pioneering techniques and new data for CLI treatment*Moderators: Roberto Ferraesi, Marianne Brodmann**Panel: Steven Kum, Jean-Paul de Vries, Giacomo Clerici*

10:45 – 10:50

CO₂ angiography guided interventions in critical limb ischemia: how to do it?
Luis Palena

10:50 – 11:20

■ *Live case transmission from Abano Terme*

11:20 – 11:25

Medial artery calcification (MAC) and it's relevance for wound healing and limb salvage *Roberto Ferraesi*

11:25 – 11:30

Imaging techniques to determine tissue perfusion in critical limb ischemia
Marianne Brodmann

11:30 – 11:35

Applicability of hyperspectral imaging to determine tissue perfusion in peripheral arterial disease *Jean-Paul de Vries*

11:35 – 11:40

The concept of deep venous arterialization (DVA) – how do DVA results compare with standard revascularisation techniques? *Miguel Montero-Baker*

11:40 – 11:55

■ *Recorded case: deep venous arterialization Andrej Schmidt*

11:55 – 12:00

Comparison of outcomes from the latest LimFlow data from the PROMISE I (12 month data) and ALPS (24 month data) *Peter Schneider*

12:00 – 12:05

Post DVA patient management and wound care strategy *Giacomo Clerici*

12:05 – 12:10

DVA tips/tricks and lessons learned *Daniel van den Heuvel*

12:10 – 12:15


Discussion and conclusion

12:15 – 12:30

LINC Studio:

Options for no-option patients: Deep venous arterialization and beyond*Moderators: Dierk Scheinert, Sabine Steiner**Guests: Steven Kum, Roberto Ferraesi, Jean-Paul de Vries, Daniela Branzan*

- 12:30 – 13:15 **LUNCH SYMPOSIUM: Highest quality of care in complex EVAR procedure with advanced imaging techniques from planning to follow up** supported by Philips
Moderator: Marc Schermerhorn
Panel: Kak Khee Yeung, Henrik Sillesen, Jörg Teßbarek
- 12:30 – 12:44 Improving EVAR outcome from planning to live using new generation of Azurion platform *Kak Khee Yeung*
- 12:44 – 12:55 Improving AAA measurement accuracy using innovative ultrasound 3D volume model automation and xMATRIX *Henrik Sillesen*
- 12:55 – 13:05 New Generation Mobile C-Arms. Do they meet the needs for safe and reliable EVAR *Jörg Teßbarek*
- 13:05 – 13:15 Q&A, discussion, and closure
- 13:15 – 13:20  **LINC Studio:**
Moderators: Dierk Scheinert, Sabine Steiner
- 13:20 – 14:45 **Endovascular solutions and innovative approaches for challenging aortic pathologies**
Moderators: Martin Austermann, Frank Veith
Panel: Daniela Branzan, Jean-Pierre Becquemini, Giovanni Pratesi
FOCUS ON AORTOILIAC ANEURYSMS
- 13:20 – 13:25 Clinical results and technical learnings in challenging iliac aneurysmatic disease
Jorge Fernández Noya
- 13:25 – 13:30 Aortic endografting with iliac side branch devices – lessons learned from the largest international registry (pELVIS) *Giovanni Torsello*
- 13:30 – 13:35 IceBERG registry: improving patient health care with hypogastric preservation
Michel Reijnen
- 13:35 – 13:55  **Live case transmission from Hamburg**
- FOCUS ON RUPTURED AND MYCOTIC ANEURYSM**
- 13:55 – 14:00 Evolution of EVAR as the treatment of choice for ruptured AAAs *Frank Veith*
- 14:00 – 14:05 Effect of centralization on ruptured abdominal aortic aneurysm outcomes
Vicente Riambau
- 14:05 – 14:10 Best practice for EVAR of ruptured aortic aneurysms
Andrej Schmidt
- 14:10 – 14:15 Ruptured TAAA: how I do it *Roberto Chiesa*
- 14:15 – 14:20 Advanced concepts for EVAR of acute thoracoabdominal aneurysms
Daniela Branzan
- 14:20 – 14:25 Mycotic aneurysms revisited: 20 year experience with non-radical treatment
Martin Malina
- 14:25 – 14:30 Minimizing dose in complex EVAR procedures *Blandine Maurel-Desanlis*
- 14:30 – 14:40  **Live case transmission from Hamburg**
- 14:40 – 14:45 Q&A, discussion, and conclusion

- 14:45 – 14:50  **LINC Studio:**
Pioneering techniques for emergency EVAR cases
Moderators: Dierk Scheinert, Sabine Steiner
Guest: Daniela Branzan

14:50 – 15:35	<p>DEEP DIVE SESSION: Management of AV-access obstructions <i>Moderators: Robert Lookstein, Jos van den Berg</i> <i>Panel: Jeffrey Hull, Robert Jones, Henrik Sillesen</i></p>
14:50 – 14:55	Restoring arteriovenous access: pilot study using a scoring balloon in 50 patients <i>John Ross</i>
14:55 – 15:00	Ultrasound guided PTA of AV fistula – improve care for your patients and increase capacity of your angiosuite <i>Henrik Sillesen</i>
15:00 – 15:05	The IN.PACT AV access trial – the data so far <i>Robert Lookstein</i>
15:05 – 15:10	Safety and efficacy of drug eluting balloon angioplasty of dialysis fistula: 12 month outcomes from a randomized clinical trial with Paseo-18 Lux <i>Éric Thérasse</i>
15:10 – 15:15	1 year results from the MAGicTouch Intervention leap for dialysis access – the MATILDA trial <i>Tjun Tang</i>
15:15 – 15:20	The role of balloon angioplasty and stent-grafts in my treatment algorithm for hemodialysis access salvage <i>Daniel Patel</i>
15:20 – 15:25	Treating AVF lesions in the cephalic arch: cases and context <i>Jeffrey Hull</i>
15:25 – 15:30	Management of cephalic arch stenosis: have stent-grafts become the gold standard? <i>Robert Jones</i>
15:30 – 15:35	Maturation for hemodialysis in the Ellipsys registry <i>Jeffrey Hull</i>
15:35 – 15:40	 LINC Studio: <i>Moderators: Dierk Scheinert, Sabine Steiner</i>
15:40 – 16:55	<p>SYMPOSIUM: Revolutionary arteriovenous fistula creation: an endovascular approach supported by BD <i>Moderator: Matteo Tozzi</i> <i>Panel: Nicholas Inston, Robert Jones, Ounali Jaffer, Panagiotis Kitrou</i></p>
15:40 – 15:45	Covid a catalyst for change: expanding you dialysis access options <i>Nicholas Inston</i>
15:45 – 15:55	Proven clinical results of AVF creation with WavelinQ™ EndoAVF System <i>Robert Jones</i>
15:55 – 16:02	First time announcement of clinical study protocols: 1.) The WavelinQ™ arterio-venous endovascular fistula: A global, post-market investigation (WAVE-Global) <i>Nicholas Inston</i> 2.) Post-market surveillance study of the WavelinQ™ EndoAVF system (CONNECT-AV) <i>Nicholas Inston</i>
16:02 – 16:17	 <i>Recorded case: WavelinQ™ EndoAVF creation with a radial-radial wrist access</i> <i>Ounali Jaffer</i>
16:17 – 16:25	Panel discussion
16:25 – 16:40	 <i>Recorded case: WavelinQ™ EndoAVF creation with a brachial-basilic access</i> <i>Panagiotis Kitrou</i>
16:40 – 16:55	Panel discussion

16:55 – 17:00



LINC Studio:
Moderators: Dierk Scheinert, Sabine Steiner

17:00 – 18:15

Innovative concepts for peripheral interventions

Moderators: Theodosios Bisdas, Marianne Brodmann

Panel: Giancarlo Biamino, Ralf Langhoff, Spiridon Botsios

17:00 – 17:05

Enabling procedural support and skill advancement during the Covid19 pandemic: remote real time training and proctoring on a low latency streaming platform Konstantinos Stavroulakis

FOCUS ON CAROTID DISEASE

17:05 – 17:10

Effect of drug therapy on the incidence of embolic complications of reconstructive interventions on the carotid arteries Olesia Osipova

17:10 – 17:15

Assessment of carotid plaque morphology using photoacoustic imaging Marc van Sambeek

17:15 – 17:30

■ Live case transmission from Leipzig

17:30 – 17:35

Combining TCAR reversed flow with mesh covered carotid stents: can the outcome be as good as open surgery? Ralf Kolvenbach

17:35 – 17:40

Improving your safety profile through proximal protection: experiences from a high volume carotid artery stenting center Horst Sievert

17:40 – 17:45

CGuard™ MicroNet covered stent: accumulative clinical evidences Piotr Musialek

FOCUS ON COMPLEX FEMORO-POPLITEAL LESIONS

17:45 – 17:50

The role of IVUS in contemporary endovascular treatment Osamu Iida

17:50 – 18:10

■ Live case transmission from Münster

18:10 – 18:15

Discussion and conclusion

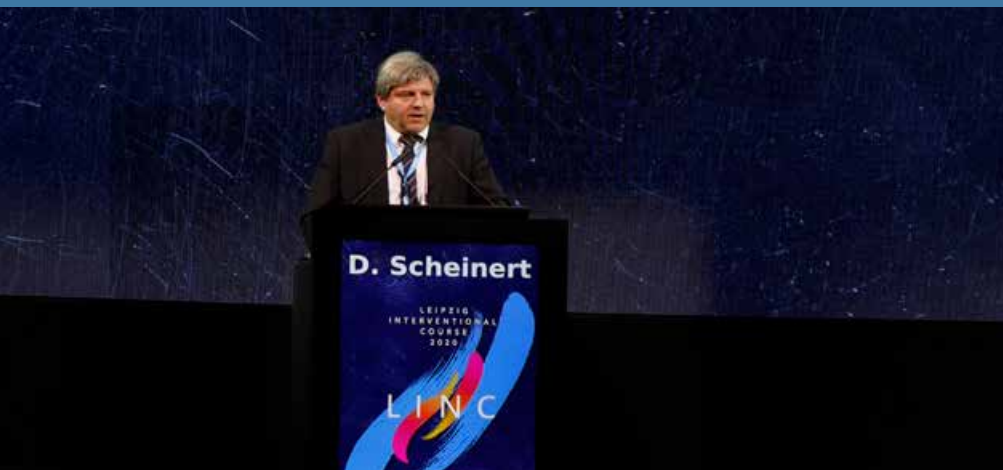


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