

LEIPZIG  
INTERVENTIONAL  
COURSE  
2021

L I N C

25–29 January 2021

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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*
- **Beijing Anzhen Hospital, Capital Medical University**, *Beijing, China*
- **301 General Hospital of PLA**, *Beijing, China*
- **Sankt-Gertrauden-Hospital**, *Berlin, Germany*
- **Ospedale Policlinico San Martino–HSM–University of Genoa**, *Genoa, Italy*
- **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*
- **Singapore 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



- 09:15 – 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?
- 10:15 – 11:20 **LATE BREAKING TRIAL SESSION: Pioneering approaches and new data for BTK interventions**  
*Moderators: Marianne Brodmann, Michael Lichtenberg*  
*Panel: Francesco Liistro, Wei Guo*
- 10:15 – 10:20 IN.PACT BTK randomized study: 9 month primary outcomes *Francesco Liistro*
- 10:20 – 10:25 Chinese experience of DCB in BTK: 12 month results of the AcoArt II study *Wei Guo*
- 10:25 – 10:30 Latest data of DCB in BTK: 12 month results of the AcoArt BTK Italy study  
*Francesco Liistro*
- 10:30 – 10:35 Luminor in BTK: MERLION trial 12 month outcomes presented for the first time  
*Tjun Tang*
- 10:35 – 10:40 Tensirolimus adventitial delivery to improve ANGIographic Outcomes below the knee (TANGO) *Ehrin Armstrong*
- 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*

11:30 – 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 &amp; 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*

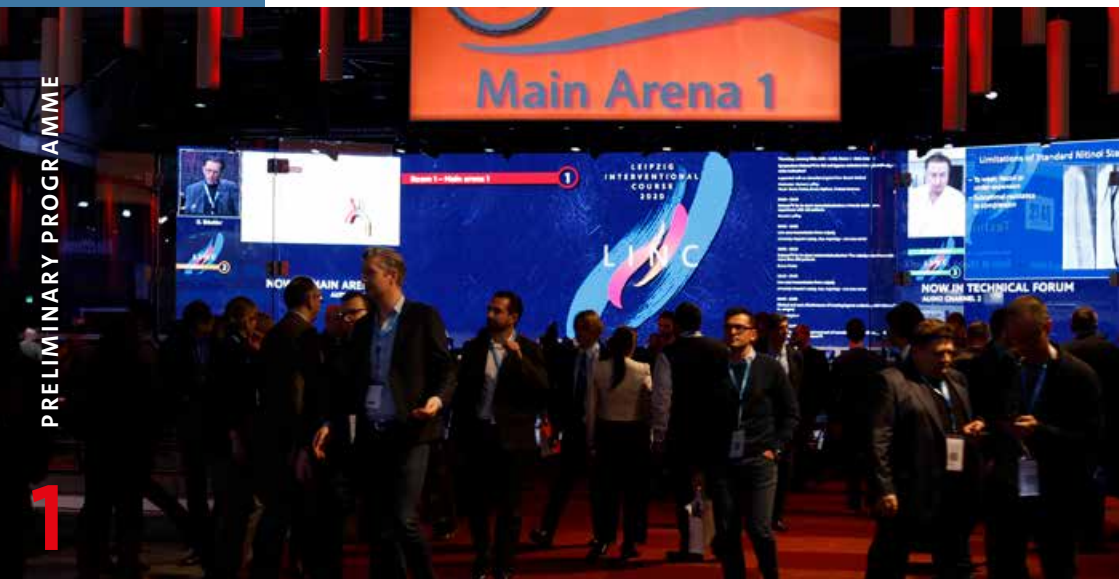
13:13 – 13:15

Q&amp;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, Weiguo Fu, 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*

- 14:20 – 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 TORUS1: 12 month results from the first-in-man study of a novel stent graft for the treatment of complex PAD  
*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*





- 15:15 – 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
- 16:45 – 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
- 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 – 18:30 Challenging iliac occlusive cases treated with covered stents *Tomislav Stojanovic*
- 18:30 – 18:40 ■ *Recorded case presentation: iliac occlusive disease treated with GORE® VIABAHN® VBX balloon expandable endoprosthesis Jorge Fernández Noya*
- 18:40 – 18:50 ■ *Case presentation: diffuse iliac lesion, best practices with covered balloon expandable stent TBD*
- 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 – 09:00

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

partially supported by Medtronic

*Moderators: Zhong Chen, Weiguo Fu, Wei Guo**Panel: 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 Beijing Anzhen Hospital*

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 – 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*

09:05 – 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 DuellL trials *Francesco Liistro*

10:14 – 10:20

Discussion and conclusion

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*

- 11:45 – 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*
- 12:30 – 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
- 13:20 – 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

- 15:05 – 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*
- 15:05 – 16:05 ■ *Live case transmission from Leipzig*
- 16:05 – 16:09 Redefining the management of PAD: a critical look at calcium *Ralf Langhoff*
- 16:09 – 16:13 Clinical evidence for vessel preparation followed by DCB in the most 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
- 16:40 – 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
- 18:00 – 19:10** **SYMPOSIUM: Real-world experience to address aortic challenges: expert panel case discussion on treatment algorithms**  
supported by Gore & Associates  
*Moderator: Marc van Sambeek*  
*Panel: Theodosios Bisdas, Nimesh Desai, Mauro Gargiulo, Giovanni Pratesi*
- 18:00 – 18:01 Introduction from the moderator *Marc van Sambeek*
- 18:01 – 18:20 ■ *Live case transmission from Genoa*
- 18:20 – 18:25 Understanding anatomical complexity and strategies to treat it *Mauro Gargiulo*
- 18:25 – 18:27 Q&A
- 18:27 – 18:32 Ensuring clinical effectiveness in challenging EVAR *Marc van Sambeek*
- 18:32 – 18:34 Q&A
- 18:34 – 18:39 Discussion
- 18:39 – 18:49 ■ *Recorded TEVAR case* *Theodosios Bisdas*
- 18:49 – 18:51 Q&A
- 18:51 – 18:56 Aortic remodeling after thoracic endovascular aortic repair of Type B aortic dissections *Nimesh Desai*
- 18:56 – 18:58 Q&A
- 18:58 – 19:03 Early endovascular treatment of Type B dissection: facts to consider and technical learnings *Dittmar Böckler*
- 19:03 – 19:05 Q&A
- 19:05 – 19:10 Discussion and conclusion

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*

09:15 – 10:30

**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, Tang Tjun Yip**Panel: Ounali Jaffer*

09:15 – 09:23

Why Sirolimus coated balloons are a better option for AVF interventions: the MagicTouch solution *Aloke Finn*

09:23 – 09:48

Existing data of AVG + live case – AVF *Chieh Suai Tan*

09:48 – 09:53

Discussion *Chieh Suai Tan*

09:53 – 10:18

■ *Live case transmission from Singapore*

10:18 – 10:30

Discussion and conclusion

- 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*
- 11:30 – 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



- 12:30 – 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*  
Introduction *Ehrin Armstrong*  
STEP UP with SELUTION SLR *Marianne Brodmann*  
Panel discussion  
Importance of “No” Slow Flow Phenomena *Tjun Tang*  
Panel discussion  
Why to choose Sirolimus for my CLI patients? *Michael Lichtenberg*  
Panel discussion
- 13:30 – 13:45 **Peripheral clot management – a paradigm shift in arterial clot removal: surgery to endovascular**  
supported by Penumbra  
*Speaker: Gianmarco de Donato*
- 13:55 – 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  
*Prof. 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
- 15:15 – 16:30 **SYMPOSIUM: How predictability and evidence lead to proven patient outcomes**  
supported by Cook Medical  
*Moderator: Michael Dake*  
*Panel: Thomas Zeller, Fabrizio Fanelli, Alope Finn, Michel Bosiers*  
When the benefit of Paclitaxel outweigh the risk *Thomas Zeller*  
Prediction model for freedom from TLR from a multi-study analysis of long-term results with the Zilver PTX stent *Michael Dake*  
How the prediction model impact my daily clinical practice *Carlos Mena-Hurtado*  
■ *Live case transmission from Leipzig*  
Pre-clinical impact of Eluvia *Alope Finn*  
Clinical impact of Eluvia *Michel Bosiers*  
Q&A, discussion, and conclusion

16:45 – 18:45

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

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*

19:00 – 20:20

**VIVA/LINC – Joint session on the current status and future of drug-eluting therapies***Moderators: Dierk Scheinert, Peter Schneider**Panel: Andrew Holden, Marianne Brodmann, Robert Lookstein*

19:00 – 19:03

Introduction by the moderators *Dierk Scheinert, Peter Schneider*

19:03 – 19:08

Insights on Paclitaxel safety from the femoral-popliteal RCTs *Peter Schneider*

19:08 – 19:13

Insights on Paclitaxel safety from femoral-popliteal real-world data *Eric Secemsky*

19:13 – 19:18

How does the Voyager data help us understand the risks of Paclitaxel? *Marc Bonaca*

19:18 – 19:23

Paclitaxel safety in patients with CLTI *Marianne Brodmann*

19:23 – 19:28

Newly FDA-approved Paclitaxel devices for lower extremity and dialysis and the regulatory implications *Robert Lookstein*

19:28 – 19:33

New data on Paclitaxel in the next couple of years; what should we expect? *Eva Freisinger*

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? *Sahil Parikh*

19:50 – 19:55

Previous experience with limus compounds in the non-coronary arteries; lessons learned *Thomas Zeller*

19:55 – 20:00

New limus delivering devices for above and below knee occlusive disease; when to expect results? *Andrew Holden*

20:00 – 20:10

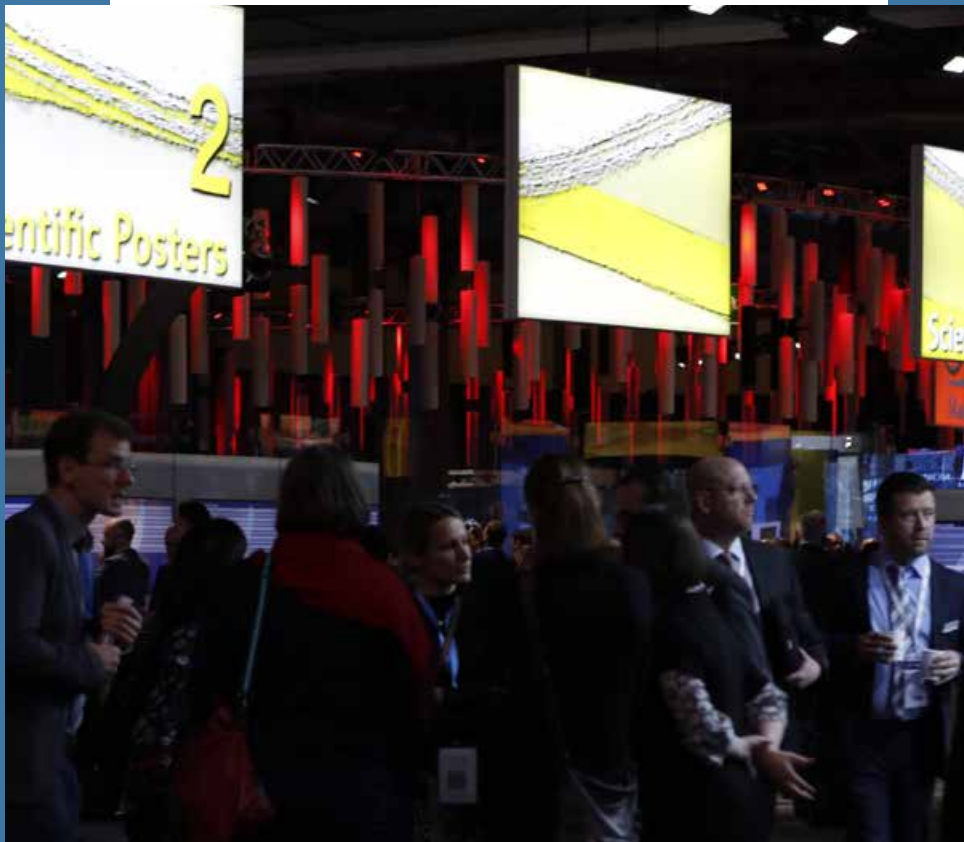
Blue horizon keynote speech: Potential for drug delivery in the treatment of lower extremity occlusive disease: what will the practice look like in 5 years? *Dierk Scheinert*

20:10 – 20:20

Panel discussion

09:05 – 09:50	<b>Guide wires: You know your skills ... do you know your tools?</b> 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
<b>11:30 – 12:25</b>	<b>DEEP DIVE SESSION: Venous interventions</b>
	<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>Stephen Black</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</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? *TBD*
- 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* What is the right approach to the distal landing zone? *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
- 09:15 – 10:15 SYMPOSIUM: EVAR imaging innovations for a safer treatment**  
 supported by Siemens Healthineers  
*Moderator: Eric Verhoeven*  
*Panel: 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 *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

- 10:45 – 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 Kölbl*
- 10:51 – 10:57 Addressing unmet clinical needs with a new generation TEVAR device:  
 practical application of the Valiant Navion *Götz Richter*
- 10:57 – 11:03 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*
- 11:03 – 11:09 A multi-center, independent, real-world study of the Valiant Navion stent graft  
*Giovanni Tinelli*
- 11:09 – 11:39 ■ *Live case transmission from Paris*
- 11:39 – 11:45 Durable thoracic outcome throughout 5 year clinical follow up  
*Nimesh Desai*
- 11:45 – 11:51 3 years of experience in more than 100 patients using TAG conformable  
 with active control: what did we learn? *Dittmar Böckler*
- 11:51 – 11:57 Endoanchors in TEVAR: how this application can add confidence  
 to your practice *Robin Hendricus Heijmen*
- 11:57 – 12:15 Q&A, discussion, and conclusion
- 12:30 – 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*
- 12:30 – 12:40 Why sac regression matters: how our experience with Endurant informs  
 our practice *Henc Verhagen*
- 12:40 – 12:50 How to approach challenging necks with off-the-shelf solutions  
*Vikram Puttaswamy*
- 12:50 – 13:00 New features associated with Valiant Navion covered seal  
 that tailor fragile aorta treatment *Yamume Tshomba*
- 13:00 – 13:15 Discussion, Q&A



- 13:20 – 14:50 **EVAR for Thoracoabdominal Aortic Aneurysms (TAAA)**  
*Moderators: Giovanni Torsello, Stéphan Haulon*  
*Panel: Eric Verhoeven, Mauro Gargiulo, Piotr Kasprzak*  
 Knowledge driven approach to manage TAAAs *Tara Mastracci*  
 ■ *Live case transmission from Hamburg*
- 13:20 – 13:28  
 13:28 – 13:48  
 13:48 – 13:56  
 13:56 – 14:01  
 Overcoming challenging TAAAs anatomies with CMD endografts *Luca Bertoglio*  
 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  
 14:25 – 14:30  
 ■ *Live case transmission from Hamburg*  
 Insight in the German BEVAR approval study to get bridging stents approved  
 for the indication *Martin Austermann*
- 14:30 – 14:35  
 Respiratory-induced dynamics of the BeGraft stent in FEVAR  
*Christopher Cheng*
- 14:35 – 14:40  
 Spinal cord protection by selective spinal artery coil embolization –  
 update on the PAPA-ARTIS trial *Christian Etz*
- 14:40 – 14:45  
 14:45 – 14:50  
 Open TAAA repair in patients with connective tissue disorders *Roberto Chiesa*  
 Q&A, discussion, and conclusion



- 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
- 16:15 – 18:00** **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: from the ANCHOR registry *M. Ferreira*
- 16:55 – 17:00 4xFEVAR: is it always needed to stent the celiac artery? *Eric Verhoeven*
- 17:00 – 17:05 Data on the 3 year clinical results of BeGraft in FEVAR *Stéphan Haulon*
- 17:05 – 17:10 Insight in the German FEVAR approval study to get bridging stents approved for the indication *Eric Verhoeven*
- 17:10 – 17:15 WeFlow-JAAA™: a new uncustomized device for juxtarenal AAA *Wei Guo*
- 17:15 – 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*

- 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 – 18:17 Vasculogenic erectile dysfunction: we don't ask, they don't talk  
*Roxana Mehran*
- 18:17 – 18:24 How cardiologists should approach the patients with ED *Giuseppe Sangiorgi*
- 18:24 – 18:31 Treatment of erectile dysfunction: from pills to balloons and stents  
*Nicolas Diehm*
- 18:31 – 18:39 ■ Recorded case presentation *Giuseppe Sangiorgi*
- 18:39 – 18:47 ■ Recorded case presentation *Nicolas Diehm*
- 18:47 – 18:55 Panel discussion and conclusion
- 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 – 10:30** **DEEP DIVE SESSION: Innovations and new techniques in embolization therapies**  
*Moderators: Ulf Teichgräber, Walter Wohlgemuth*  
*Panel: Costantino del Giudice, Marcus Katoh, Marcus Treitl*
- 09:15 – 09:21 Embolization against the clock – strategies and techniques in the management of hemorrhage *Marcus Treitl*
- 09:21 – 09:27 Hemorrhoids: embolic therapy to address bleeding, inflammation, and pain  
*Gloria Salazar*
- 09:27 – 09:33 Bariatric embolization *Bernhard Gebauer*
- 09:33 – 09:39 Preoperative embolization of soft tissue sarcomas *René Aschenbach*
- 09:39 – 09:45 New therapeutic options for osteoarthritis *Marcus Katoh*
- 09:45 – 09:51 French SEAL registry update: Type II endoleak treatment outcomes using a liquid embolic agent *Costantino del Giudice*
- 09:51 – 09:57 Peripheral AVMs: clinical considerations for determining embolic selection  
*Walter Wohlgemuth*
- 09:57 – 10:03 Pulmonary AVMs: different embolic agents and potential impact on clinical outcomes *Clifford Weiss*
- 10:03 – 10:18 ■ Recorded case presentation: AVM-treatment *Walter Wohlgemuth*
- 10:18 – 10:30 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



09:15 – 10:30	<p><b>SYMPOSIUM: Guidewire strategy for difficult BTK recanalisation</b> supported by Asahi Intecc <i>Moderator: Roberto Ferraresi</i> <i>Panel: Koen Deloose, Ralf Langhoff, Daniel van den Heuvel</i></p> <p>Introduction <i>Roberto Ferraresi</i> Selecting the right wire for the right case <i>Koen Deloose</i> Crossing tough CTOs <i>Ralf Langhoff</i> My experience with Gladius MG PV <i>Daniel van den Heuvel</i> ■ <i>Live case transmission from Leipzig</i> Q&amp;A, discussion, and conclusion</p>
09:15 – 09:20	
09:20 – 09:30	
09:30 – 09:40	
09:40 – 09:50	
09:50 – 10:20	
10:20 – 10:30	
10:45 – 12:15	<p><b>Pioneering techniques and new data for CLI treatment</b> <i>Moderators: Roberto Ferraresi, Marianne Brodmann</i> <i>Panel: Steven Kum, Jean-Paul de Vries, Giacomo Clerici</i></p> <p>CO<sup>2</sup> angiography guided interventions in critical limb ischemia: how to do it? <i>Luis Palena</i> ■ <i>Live case transmission from Abano Terme</i></p> <p>Medial artery calcification (MAC) and it's relevance for wound healing and limb salvage <i>Roberto Ferraresi</i> Imaging techniques to determine tissue perfusion in critical limb ischemia <i>Marianne Brodmann</i> Applicability of hyperspectral imaging to determine tissue perfusion in peripheral arterial disease <i>Jean-Paul de Vries</i> The concept of deep venous arterialization (DVA) – how do DVA results compare with standard revascularisation techniques? <i>Miguel Montero-Baker</i> ■ <i>Recorded case: deep venous arterialization</i> <i>Andrej Schmidt</i> Comparison of outcomes from the latest LimFlow data from the PROMISE I (12 month data) and ALPS (24 month data) <i>Peter Schneider</i> Post DVA patient management and wound care strategy <i>Giacomo Clerici</i> DVA tips/tricks and lessons learned <i>Daniel van den Heuvel</i> Discussion and conclusion</p>
10:45 – 10:50	
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11:40 – 11:55	
11:55 – 12:00	
12:00 – 12:05	
12:05 – 12:10	
12:10 – 12:15	

- 13:20 – 14:45 **Endovascular solutions and innovative approaches for challenging aortic pathologies**  
*Moderators: Martin Austermann, Frank Veith*  
*Panel: Daniela Branzan, Jean-Pierre Becquemin, Giovanni Pratesi*
- 13:20 – 13:25 **FOCUS ON AORTOILIAC ANEURYSMS**  
 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*
- 13:55 – 14:00 **FOCUS ON RUPTURED AND MYCOTIC ANEURYSM**  
 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
- 14:50 – 15:35 **DEEP DIVE SESSION: Management of AV-access obstructions**  
*Moderators: Robert Lookstein, Jos van den Berg*  
*Panel: Jeffrey Hull, Robert Jones, Henrik Sillesen*
- 14:50 – 14:55 Restoring arteriovenous access: pilot study using a scoring balloon in 50 patients  
*John Ross*
- 14:55 – 15:00 Ultrasound guided PTA of AV fistula – improve care for your patients and increase capacity of your angiosuite *Henrik Sillesen*
- 15:00 – 15:05 The IN.PACT AV access trial – the data so far *Robert Lookstein*
- 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  
*Éric Thérasse*
- 15:10 – 15:15 1 year results from the MAgicTouch Intervention leap for dialysis access – the MATILDA trial *Tjun Tang*
- 15:15 – 15:20 The role of balloon angioplasty and stent-grafts in my treatment algorithm for hemodialysis access salvage *Daniel Patel*
- 15:20 – 15:25 Treating AVF lesions in the cephalic arch: cases and context *Jeffrey Hull*
- 15:25 – 15:30 Management of cephalic arch stenosis: have stent-grafts become the gold standard? *Robert Jones*
- 15:30 – 15:35 Maturation of hemodialysis in the Ellipsys registry *Jeffrey Hull*

- 15:40 – 16:55** **SYMPOSIUM: Revolutionary arteriovenous fistula creation: an endovascular approach**  
supported by BD  
*Moderator: Matteo Tozzi*  
*Panel: Nicholas Inston, Robert Jones, Ounali Jaffer, Panagiotis Kitrou*
- 15:40 – 15:45 Covid a catalyst for change: expanding you dialysis access options  
*Nicholas Inston*
- 15:45 – 15:55 Proven clinical results of AVF creation with WavelinQ™ EndoAVF System  
*Robert Jones*
- 15:55 – 16:02 First time announcement of clinical study protocols:  
1.) The WavelinQ™ EndoAVF system arterio-venous endovascular fistula: A global, post-market investigation (WAVE-Global) *Nicholas Inston*  
2.) Post-market surveillance study of the WavelinQ™ EndoAVF system (CONNECT-AV) *Nicholas Inston*
- 16:02 – 16:17 ■ *Recorded case: WavelinQ™ EndoAVF creation with a radial-radial wrist access*  
*Ounali Jaffer*
- 16:17 – 16:25 Panel discussion
- 16:25 – 16:40 ■ *Recorded case: WavelinQ™ EndoAVF creation with a brachial-basilic access*  
*Panagiotis Kitrou*
- 16:40 – 16:55 Panel discussion
- 17:00 – 18:15** **Innovative concepts for peripheral interventions**  
*Moderators: Theodosios Bisdas, Marianne Brodmann*  
*Panel: Giancarlo Biamino, Ralf Langhoff*
- 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



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 Teßarek*

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*

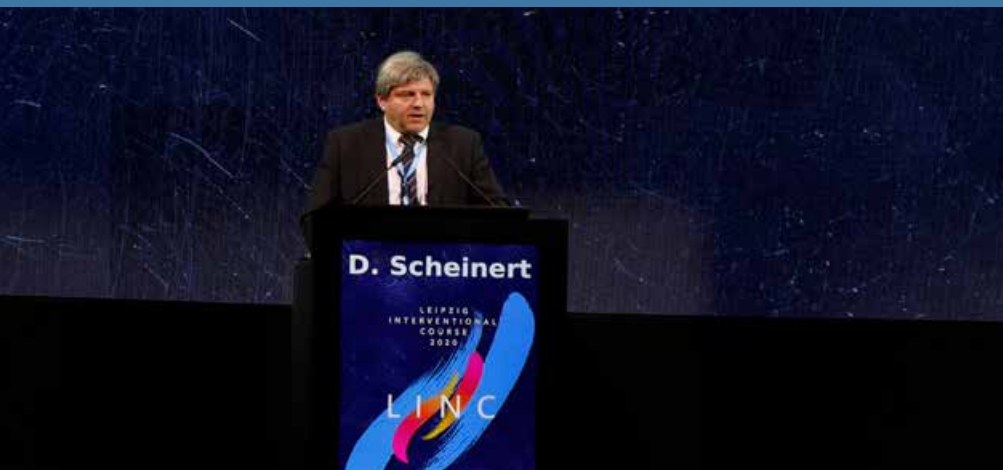
12:55 – 13:06

New Generation Mobile C-Arms. Do they meet the needs for safe and reliable EVAR *Jörg Teßarek*

13:06 – 13:15

Q&A, discussion, and closure





## Congress production



**Provascular GmbH**  
CEO Joshua Hartmann

Paul-List-Straße 11  
04103 Leipzig  
Germany

Phone: +1 302-786-6231  
Fax: +1 646-514-5454  
E.mail: [jhartman@hmpglobal.com](mailto:jhartman@hmpglobal.com)

[www.provascular.de](http://www.provascular.de)

## Congress organisation



**Congress Organisation  
and More GmbH**  
CEO 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.com](mailto:info@cong-o.com)

[www.cong-o.com](http://www.cong-o.com)