European Society for Vascular Medicine
1st Annual Congress
May 10–12, 2015, Berlin-Potsdam, Germany

Programme

Congress President: Prof. Sigrid Nikol, Hamburg, Germany
Dear Colleagues,

we are excited to welcome you to the 1st Annual Congress of the European Society for Vascular Medicine which comprises national societies for vascular medicine of 15 European countries. The scientific programme aims at the harmonisation of vascular medicine in Europe. Thus, we want to learn from each other during the 15 different practical workshops and courses, hand-on trainings, live case transmissions and scientific sessions. Working so closely together, we should be able to get to know each other more closely across the European boundaries.

I am happy to welcome you to this exciting meeting.

Kind regards

Professor Sigrid Nikol
Congress president, Hamburg, Germany
Organising committee

Congress president:
Prof. Sigrid Nikol, Angiologist, Hamburg, Germany

Congress secretary:
Prof. Beatrice Amann-Vesti, Angiologist, Switzerland
Prof. Marianne Brodmann, Angiologist, Austria
Prof. Patrick Carpentier, Angiologist, France

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Faculty

A
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Prof. Maria Amitrano, Angiologist, Italy
Dr. Max Amor, Cardiologist, France
Prof. Pier Luigi Antignani, Angiologist, Italy
Dr. Guido Arpaia, Angiologist, Italy

Prof. Laurence Boon, Plastic Surgeon, Belgium
Dr. Sven Bräunlich, Angiologist, Germany
Prof. Alessandra Bura-Riviere, Angiologist, France

B
Prof. Rupert Martin Bauersachs, Angiologist, Germany
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Prof. Jill Belch, Angiologist, United Kingdom
Prof. Heiner K. Berthold, Physician, Germany
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Dr. Carlo Biasiutti, Radiologist, Italy

Prof. Laurence Boon, Plastic Surgeon, Belgium
Dr. Sven Bräunlich, Angiologist, Germany
Prof. Alessandra Bura-Riviere, Angiologist, France

C
Dr. Giuseppe Camporese, Angiologist, Italy
Dr. Anita Carlizza, Angiologist, Italy
Prof. Mariella Catalano, Angiologist, Italy
Dr. Robert Clemens, Angiologist, Switzerland
Prof. Sergio Coccheri, Angiologist, Italy
Dr. Ander Cohen, Angiologist/Epidemiologist, United Kingdom
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Prof. Mary-Paula Colgan, Angiologist, Ireland
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Prof. Andreas Creutzig, Angiologist, Germany
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Angiologist, France  
Dr. Rick de Graaf,  
Radiologist, The Netherlands  
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Vascular Surgeon, Germany  
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Vascular Surgeon, Belgium  
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Angiologist, Italy  
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Prof. Christine Espinola-Klein,  
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Prof. Gerry Fowkes,  
Epidemiologist, United Kingdom  
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Angiologist, USA  
Dr. Torsten Fuß,  
Angiologist, Germany

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Prof. Maria Fabrizia Giannoni,  
Vascular Surgeon, Italy
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H
PD Dr. Franz Hafner, Angiologist, Austria
Dr. Thomas Henzler, Radiologist, Germany
Prof. William Hiatt, Angiologist, USA
Prof. Ulrich Hoffmann, Angiologist, Germany
Dr. Marc Husmann, Angiologist, Switzerland

I
Prof. Davide Imberti, Haemostaseologist, Italy

J
Dr. Houman Jalaie, Vascular Surgeon, Germany
Prof. Karin Jandeleit-Dahm, Physician, Australia
Prof. Arkadiusz Jawień, Vascular Surgeon/Angiologist, Poland
Dr. Nicoline Jochmann-Schiek, Angiologist, Germany

K
Prof. Tilo Kölbl, Vascular Surgeon, Germany
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Prof. Knut Kröger, Angiologist, Germany
Dr. Christian Kügler, Angiologist, Germany

L
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Dr. Ralf Langhoff, Angiologist, Germany
Dr. Peter Lanzer, Angiologist/Cardiologist, Germany
Dr. Claire Le Hello, Angiologist, France
Dr. Philippe Léger, Angiologist, France
Dr. Daniel Lemogoum, Cardiologist, Belgium
Dr. Michael Lichtenberg, Angiologist, Germany
Prof. Dirk Loose, Vascular Surgeon, Germany
Dr. Esther Lukasiewicz-Hagai, Israel
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M
Prof. Sumaira Macdonald,
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Dr. Lars Maegdefessel,
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Mr. Michael Martens, Germany
Dr. Romeo Martini,
Angiologist, Italy
Prof. Klaus Mathias,
Radiologist, Germany
Dr. Dieter Mayer,
Cardiovascular Surgeon,
Switzerland
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Experimental Medicine,
United Kingdom
Dr. Thomas Meier,
Angiologist, Switzerland
Prof. Manuel Monreal,
Angiologist, Spain

N
Prof. Nadraj Naidoo
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Prof. Lars Norgren,
Vascular Surgeon, Sweden

O
Dr. Gerard O’Sullivan,
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Prof. Dan Olinic,
Angiologist, Romania

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Dr. Zsolt Pécsvárady,
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Angiologist, Austria
Dr. Jan Pitha,
Angiologist, Czech Republic
Prof. Thomas Pröbstle,
Dermatologist, Germany
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Q
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R
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Prof. Vicente Riambau,
Vascular Surgeon, Spain
Dr. Daniele Righi,
Angiologist, Italy
Dr. Ambuj Roy

S
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Angiologist, Italy
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Angiologist, Germany
Prof. Andre Schmidt-Lucke,
Angiologist, Germany
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Angiologist, Germany
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Angiologist, Switzerland
Prof. Reinhardt Sternitzky
Angiologist, Germany

T
Dr. Christoph Thalhammer,
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Prof. Witold Tomkowski,
Cardiologist, Poland
Prof. Diego Tonello,
Angiologist, Italy
**Faculty (cont.)**

**U**
Dr. Alberto Urbaneja,
Radiologist, Spain

**V**
Dr. Ivar Vacula,
Angiologist, Slovakia
Dr. Carla van Rijswijk,
Radiologist, The Netherlands
Dr. Dragan Vasic,
Angiologist, Serbia
Prof. Mia von Euler,
Neurologist, Sweden

**W**
Dr. Eberhard Wedell,
Angiologist, Germany
Prof. Norbert Weiss,
Angiologist, Germany
Dr. Martin Werner,
Angiologist, Austria
Prof. Ian Wilkinson,
Clinical Pharmacologist,
United Kingdom
Prof. Walter Wohlgemuth,
Radiologist, Germany

**Z**
Mrs. Hadas Zadikario, Germany
Dr. František Žernovický,
Vascular Surgeon, Slovakia
Dr. Ulf Zierau,
Vascular Surgeon, Germany
Prof. Rainer Zotz,
Haemostaseologist, Germany
Main Programme
Saturday, May 9

12:00–18:00  ESVM board meeting
             room D7

Sunday, May 10

08:00–12:30  ESVM committee meetings
             room D1: Committee Vascular Speciality – Continuous Development and Education for certified Angiologists – K. Roztocil and national delegates
             room D2: Committee Vascular Speciality – Education – M. Catalano and national delegates
             room D3: Committee Guidelines – P. Poredos and national delegates
             room D7: Committees Awareness, Website, New member countries, Congresses – S. Nikol, A. Visona, P. Carpentier, P.–L. Antignani, B. Amann-Vesti, M. Brodmann, ESVM Congress Organizing Committee and national delegates

13:30–15:30  TASC working meeting (closed circle)
             room D7

13:30–18:00  Workshops and courses
             rooms E1–E3 and rooms D1–D6

18:00–18:15  Coffee break – in the industry exhibit
Main Programme
Sunday, May 10 (cont.)

18:15–19:15 Main auditorium

Overcoming the challenges in anticoagulation strategies, supported by Daiichi Sankyo
Chairman: M. Brodmann

From diagnosis to treatment selection in patients with venous thromboembolism – treatment options and recent registry findings – A. Cohen

Anticoagulation of patients with venous thromboembolism: Hokusai-VTE – what makes it different to other trials – S. Eichinger-Hasenauer
Main Programme
Sunday, May 10 (cont.)

19:15–20:15  **Main auditorium**
Official opening
Chairmen: Presidents or Representatives of National Societies for Vascular Medicine (members of ESVM only)

19:15 –19:20  Welcome address – **S. Nikol**, President European Society for Vascular Medicine ESVM
19:30 –19:35  ISTH welcomes ESVM – **S. Eichinger-Hasenauer**, Representative International Society on Thrombosis and Haemostasis ISTH
19:40 –19:45  UEMS Division of Vascular Medicine welcomes ESVM – **M. Catalano**, President European Union of Medical Specialists – Division of Vascular Medicine

19:45 –20:00  The European history of diagnostic techniques in angiology – **P. Carpentier**, Past-President European Society for Vascular Medicine
20:00 –20:15  The European history of interventional angiology – **S. Nikol**

20:15–23:00  Get together
in the exhibit area
Main Programme
Monday, May 11

08:00–09:25  Main auditorium
Supraaortic arteries
Chairmen: M.-P. Colgan, M. Snyrger
Moderators: K. Mathias, S. Macdonald, R. Stemitzky

08:00–08:08  Ultrasound criteria for grading of carotid stenoses –
N. Joehmann-Schiek

08:08–08:15  Role of transcranial duplex- and Doppler sonography –
J.-C. Wautrecht

08:15–08:23  What exactly is a symptomatic internal carotid artery
stenosis? – S. Macdonald

08:23–08:31  Best medical therapy for asymptomatic carotid stenosis
in 2015 – J. Pitha

08:31–08:39  CEA vs. CAS for stenosed internal carotid arteries:
Review of recent evidence – M. Amor

08:39 –08:47  The evolution of carotid stenting: What is the optimal
technique – R. Langhoff

08:47 –08:50  Discussion

08:50–09:10  Live case transmission from University Hospital Leipzig

09:10–09:17  Management of carotid and vertebral artery dissections –
A. Visonà

09:17 –09:24  Vertebral artery: Imaging and treatment indications;
anything evidence-based? – K. Mathias

09:24 –09:25  Discussion
**Main Programme**  
**Monday, May 11 (cont.)**

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<tr>
<th>Time</th>
<th>Session</th>
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| 09:25–10:10   | **Main auditorium**  
**Peripheral artery disease – aorto iliac**  
Chairmen: B. Amann-Vesti, K. Roztocil  
Moderator: V. Riambau |
| 09:25–09:33   | The many faces of ABI – **Ph. Lacroix**                                   |
| 09:33–09:41   | Current techniques for iliac interventions – **D. Scheinert**            |
| 09:41–10:01   | **Live case transmission from University Hospital Leipzig**              |
| 10:01–10:09   | Recanalisation of aortoiliac occlusions – Leriche syndrome:  
selected cases and results – **S. Bräunlich via satellite from Leipzig** |
<p>| 10:09–10:10   | Discussion                                                              |</p>
<table>
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| 10:10–10:40  | **Coffee break** – in the industry exhibit  
**Poster presentations** – at the Daichii-Sankyo booth  
*Jurors: A. Creutzig (chairman), P. Carpentier, A. Visonà, Z. Pécsvárady* |
<p>| 10:10–10:13  | Kidney and liver are the main organs of AGXT2 expression in humans – <strong>N. Weiss</strong>          |
| 10:13–10:16  | Digital obstructive arterial disease can be detected by laser Doppler measurements with high sensitivity and specificity. – <strong>G. Mahé</strong> |
| 10:19–10:22  | Ankle-Brachial Index: an Ubiquitary Marker of Cognitive Impairment – the EPIDEMCA study. – <strong>Ph. Lacroix</strong> |
| 10:22–10:25  | Prevalence of peripheral artery disease in the elderly population in urban and rural areas of Central Africa: the EPIDEMCA study. – <strong>Ph. Lacroix</strong> |
| 10:25–10:28  | Relationship between maximal aerobic capacity and stress test-related arterial stiffness – <strong>F. Milatz</strong> |
| 10:28–10:31  | Compression sonography of the temporal and axillary arteries: establishing a threshold for the diagnosis of cranial and extracranial giant cell arteritis – <strong>M. Czihal</strong> |
| 10:31–10:34  | Venous thromboembolism in seniors – in the context of polymorbidity – <strong>L. Mahelova</strong> |
| 10:34–10:37  | Occurrence and prediction of adverse course of hospitalization for acute pulmonary embolism in regional intensive care centre. – <strong>J. Madaric</strong> |
| 10:37–10:40  | Discussion                                                                                 |</p>
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<tr>
<td>10:40–10:48</td>
<td>Current techniques for femoral artery interventions – <strong>D. Scheinert</strong></td>
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<td>10:48–10:56</td>
<td>Recanalisation of long chronic total occlusions of SFA: Indications and limitations – <strong>M. Brodmann</strong></td>
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<td>11:03–11:23</td>
<td>Live case transmission from the University Hospital Leipzig</td>
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<td>11:23–11:30</td>
<td>Management of the panvascular patient – hybrid interventions – <strong>P. Lanzer</strong></td>
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<td>11:30–11:37</td>
<td>Prevention of cardiovascular events in PAD patients – <strong>S. Coccheri</strong></td>
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<td>11:37–11:44</td>
<td>How to set up a training program for PAD patients? – <strong>R. Martini</strong></td>
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<td>11:44–11:51</td>
<td>How to do training right – <strong>G. Seinost</strong></td>
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<td>11:51–11:58</td>
<td>Therapeutic education of PAD patients – <strong>P. Carpentier</strong></td>
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<td>11:58–12:00</td>
<td>Discussion</td>
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12:00–13:00  Main auditorium  
Current aspects on VTE treatment  
Lunch symposium, supported by Bayer Vital  
Chairmen: S. Nikol, M. Brodmann

12:00–12:05  Welcome – S. Nikol
12:05–12:20  Dealing with challenging patients – View into EINSTEIN subgroups – R. M. Bauersachs
12:35–12:50  „Clinical Study“ vs. „Real Life“ – Ongoing data from the Dresden NOAC registry – J. Beyer-Westendorf
12:50–13:00  Wrap up and discussion – S. Nikol, M. Brodmann
Main Programme
Monday, May 11 (cont.)

13:00–14:45  Main auditorium
Peripheral arterial disease – below the knee
Chairmen: A. Jawień, P. L. Antignani
Moderators: G. Biamino, W. Hiatt

13:00–13:08  Evaluation of PAD: when ABI and when TBI – B. Amann
13:08–13:16  Endovascular treatment of acute limb ischemia
– B. Amann-Vesti
13:16–13:24  What exactly is critical limb ischemia CLI?
Clinical and functional tests – L. Spak
of arterial patency using statins – A. Gottsäter
13:32–13:35  Discussion
13:35–13:55  Live case transmission from University Hospital Leipzig
13:55–14:03  PTA below the knee: only in CLI or also safe in claudicants?
– E. Wedell
14:03–14:11  CLI treatment strategies – C. van Rijswijk
14:11–14:18  Angiosome concept for below the knee arteries:
still valid? – G. Biamino
14:18–14:26  How important is vessel patency and how to achieve it
– M. Brodmann
14:26–14:34  The PAD patient with diabetes – G. Arpaia
14:34–14:41  New targets in diabetes associated vascular disease
– K. Jandeleit-Dahm
14:41–14:45  Discussion
Main Programme
Monday, May 11 (cont.)

14:45–15:15  Coffee break – in the industry exhibit
Poster presentations – at the Daichii-Sankyo booth
   Jurors: A. Creutzig (chairman), P. Carpentier, A. Visonà,
   Z. Pécsvárady

14:45–14:48  Cost-effectiveness of a screening strategy for abdominal aortic
   aneurysm combined with medical intervention in patients with
   small abdominal aortic aneurysms. – M. Zarrouk

14:48–14:51  Preliminary results of a screening program on abdominal aortic
   aneurisms and associated risk factors in Italy – A. Tarallo

14:51–14:54  Correlation between the carotid artery wall elasticity and
   atherosclerotic plaque instability as a predictive factor
   of a restenosis following carotid surgery. – A. Eberhardt

14:54–14:57  EchocolorDoppler-guided angioplasty of vascular access
   for hemodialysis – D. Tonello

14:57–15:00  Accuracy of in-patients Ankle-Brachial Index measurement,
   and peripheral arterial disease screening, by medical students:
   a Swiss single university centre experience – A. Alatri

15:00–15:03  Assessment of carotid micro-intimal flap: an ultrasound
   study – L. Costanzo

15:03–15:06  Use of conical balloons to recanalize occluded below-the-knee
   arteries in diabetic patients with critical limb ischemia – N. Troisi

15:06–15:09  Use of optimal medical therapy before carotid endarterectomy:
   a single center analysis on 852 patients during thirteen years
   – D. Bissacco

15:09–15:12  Direct stent puncture as a method for retrograde recanalization
   of iliac and femoral vessels – E. Papsdorf

15:12–15:15  Treatment of non-acute limb ischemia with mechanical rotational
   thrombectomy – L. Farkašová
Main Programme
Monday, May 11 (cont.)

15:15–17:15  Main auditorium
Aortic aneurysms
Chairmen: S. Nikol, D. Scheinert
Moderators: V. Riambau, D. Staub

15:28–15:31  Discussion

15:31–15:51  Live case transmission from the University Hospital Leipzig
15:51–15:59  When and how to treat Type B dissection – Ch. Nienaber
15:59–16:06  Advanced techniques for aortic dissections – T. Kölbel
16:06–16:14  Stroke as a complication to cardiac and aortic interventions – M. von Euler
16:22–16:30  How-to-do-it: Contrast-enhanced ultrasound – D. Staub
16:30–16:50  Live case transmission from the University Hospital Leipzig
16:50–16:58  Follow-up of aortic endografts: CEUS versus CTA and MRA – K. Pfister
17:04–17:12  Micro RNA to stabilise aortic aneurysms – L. Maegdefessel
17:12–17:15  Discussion
Main Programme
Monday, May 11 (cont.)

17:15–18:20  **Main auditorium**
Iliac and femoral veins

Chairmen: G. Pernod, J. B. Froehlich
Moderators: Th. Meier, J. Madaric

17:23–17:31  Imaging of iliac deep vein thrombosis – **R. de Graaf**
17:47–18:07  Live case transmission from the University Hospital Leipzig
18:07–18:15  Ultrasound-guided angioplasty of AV fistula stenoses – **O. Pichot**
18:15–18:20  Discussion

19:30–23:30  **Gala dinner**
at Schloss Glienicke, with a performance of the Re-enactment Guard of “Tall Fellows”.
Main Programme
Tuesday, May 12

08:00–09:45 Main auditorium
Vascular disease in the young and women
Chairmen: Z. Pécsvárady, A. Gottsäter
Moderators: F. Khan, U. Hoffmann

08:00–08:08 Classification of malformations – R. Clemens
08:08–08:16 Genetics of malformations – L. Boon
08:16–08:24 Embolization techniques for venous and AV malformations – W. Wohlgemuth
08:24–08:32 Surgical therapy of malformations – D. Loose
08:32–08:40 Raynaud syndrome and Scleroderma – J. Belch
08:40–08:48 Recent advances in the treatment of vasculitis? – F. Hafner
08:56–09:04 Discussion
09:04–09:12 Diagnosis of thrombangiitis obliterans – P. L. Antignani
09:12–09:20 Vascular manifestation in drug abuse – C. Le Hello
09:20–09:28 Diagnosis and therapy of entrapment syndromes – Th. Meier
09:28–09:36 Gender-specific differences in PAD in everyday practice and clinical trials – A. Bura-Riviere
09:36–09:45 Discussion
Main Programme
Tuesday, May 12 (cont.)

09:45–10:25  **Main auditorium**
**News from important registries and trials in vascular medicine**
*Chairmen: A. Visonà, P. Poredos*
*Moderators: F. Žernovický, N. Weiss*

09:45–09:52  FREN A registry on PAD – M. Monreal
09:59–10:06  Arterial events appearing after venous thromboembolism. Findings from RIETE – M. Monreal
10:06–10:13  News of the COPART study – J. Constans
10:13–10:20  Predict the effect of prostanoid treatment in CLI (ILOCITERIA study) – Z. Pécsvárady
10:20–10:25  Discussion
Main Programme
Tuesday, May 12 (cont.)

10:25–10:55  **Coffee break – in the industry exhibit**  
**Poster presentations – at the Daichii-Sankyo booth**  
*Jurors: A. Creutzig (chairman), P. Carpentier, A. Visonà, Z. Pécsvárady*

10:25–10:28  Improvement in ADMA and oxidative stress in responders to autologous mononuclear stem cells application for critical limb ischemia – **J. Madaric**

10:28–10:31  Walking exercise improves walking capacity without accelerating ischemic limb hemodynamic recovery in a mouse model of intermittent claudication – **G. Pellegrin**

10:31–10:34  Graz CLI Score: A risk score for critical limb ischemia in peripheral arterial occlusive disease Patients – **Th. Gary**

10:34–10:37  High prevalence and amputation predictive value of cognitive disorders in hospitalised peripheral arterial disease patients. – **Ph. Lacroix**

10:37–10:40  COPART Risk Score predicts long-term mortality in peripheral arterial occlusive disease – **G. Hackl**

10:40–10:43  Diabetic foot infection: early endovascular revascularization followed by surgical treatment saves tissue – **N. Troisi**

10:43–10:46  Assessment of the agreement between the Medicap® and Radiometer® devices for measuring exercise transcutaneous oxygen pressures in patients with claudication. – **P. Abraham**

10:46–10:49  Is Contrast Enhanced Ultrasonography (CEUS) a useful tool for the evaluation of muscular microcirculation in patients with critical limb ischemia (CLI)? – **Ch. Seinturier**

10:49–10:52  Influence of an exercise intervention on peripheral and central blood pressure and pulse wave velocity in school children – **S. Ketelhut**

10:52–10:55  Role of RNA-binding proteins in re-endothelialization model following vascular injury – **K. Sonnenschein**
Main Programme
Tuesday, May 12 (cont.)

10:55–11:20  Main auditorium
TASC future session
Chairmen: J. Belch, C. Thalhammer
Moderators: Ch. Espinola-Klein, D. Vasic

10:55–11:02  TASC, current strategies and an updated classification
– L. Norgren
11:02–11:09  PAD guidelines and the ACC/AHA collaboration – W. Hiatt
11:09–11:16  The TASC global project – G. Fowkes
11:16–11:20  Discussion

11:20–12:00  Main auditorium
Beyond arterial disease and venous thromboembolism,
the future of vascular medicine
Chairmen: P. Carpentier, J.-C. Wautrecht
Moderators: D. Olinic, K. Kröger, A. Creutzig

11:20–11:27  The future of varicose vein treatment – O. Pichot
11:27–11:34  The future of vascular wound healing management – Ph. Léger
11:34–11:41  The future explorations of the microcirculation – A. Colantuoni
11:48–11:55  The future of lymph oedema treatment – I. Quéré
11:55–12:00  Discussion
12:00–13:00  
Room E1  
Lunch symposium:  
Therapeutic angiogenesis for peripheral arterial occlusive disease, supported by Pluristem  
Chairmen: S. Nikol, A. Schmidt-Lucke  

12:00–12:15  
Therapeutic angiogenesis for PAOD: rationale and overview of clinical trials – S. Nikol

12:15–12:25  
Main differences between autologous vs. allogeneic approach – J. Madaric

12:25–12:35  
PLX-PAD cells: Overview on pre-clinical studies in HLI – R. Ofir

12:35–12:50  
PLX-PAD cells: The experience in CLI patients – A. Schmidt-Lucke, E. Lukasiewicz-Hagai

12:50–13:00  
Conclusion and discussion – S. Nikol
12:15–13:15  **Main auditorium**  
**Lunch symposium:**  
The essentials in VTE – state-of-the-art in treatment and care, supported by Aspen Europe  
Chairman: W. Z. Tomkowski  
Panel: I. Quéré, D. Imberti, R. Zotz, H. K. Berthold

12:15–12:20  Introduction
12:20–12:30  SVT: Only VTE’s harmless relative? – I. Quéré
12:30–12:40  Evidence: How should we treat SVT? – D. Imberti
13:00–13:15  Panel discussion

13:15–13:30  **Main auditorium**  
**Poster prize**  
S. Nikol, A. Creutzig, P. Carpentier, A. Visonà, Z. Pécsvárady  
Lecture of best poster, followed by the presentation of the certificate.

13:30–18:00  **Workshops and courses**  
Rooms E1–E3 and rooms D1–D6

13:30–18:00  **TASC global meeting (by invitation only)**  
Room D7
**Workshop Programme · Overview**

**WORKSHOP-PROGRAMME OVERVIEW**

Workshops will take place on Sunday, May 10th and Tuesday, May 12th.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Sunday, May 10th</th>
<th>Tuesday, May 12th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transcranial Duplexsonography and Doppler course</td>
<td>2 hrs</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Contrast-enhanced ultrasound (CEUS) course (SGUM certified)</td>
<td></td>
<td>2 hrs 2 hrs</td>
</tr>
<tr>
<td>Ultrasound refresher course (DEGUM and SGUM certified)</td>
<td>4 hrs</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Acute, subacute and chronic total occlusion of veins course</td>
<td></td>
<td>4 hrs</td>
</tr>
<tr>
<td>Ultrasound-guided angioplasty of AV fistulas stenosis course</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>Hemostaseology workshop</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>Clinical microcirculation and the technique of capillaroscopy</td>
<td>4 hrs</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Non-invasive diagnostic methods and functional tests in vascular medicine</td>
<td>4 hrs</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Simulator training for intervention – peripheral arteries including carotid artery and aorta</td>
<td>2 hrs 2 hrs 2 hrs</td>
<td></td>
</tr>
<tr>
<td>Aortic endoprostheses workshop including simulator training</td>
<td></td>
<td>4 hrs</td>
</tr>
<tr>
<td>First steps in peripheral intervention workshop</td>
<td>4 hrs</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MR and CT workshop for vascular physicians</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>Workshop endovenous treatment of varicose veins</td>
<td>4 hrs</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Carotid stent implantation workshop including simulator training</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>Arterial stiffness – detection and clinical use</td>
<td></td>
<td>2 hrs</td>
</tr>
</tbody>
</table>
Workshop Programme · Workshop 1

TRANSCRANIAL DUPLEX SONOGRAPHY AND DOPPLER COURSE

Workshop I      Sunday, May 10th    13:30 – 15:30  
Workshop II     Tuesday, May 12th   16:00 – 18:00

Duration 2 hrs, Room E1, Maximum number participants: 30

Moderation: Prof. Adriana Visonà, Italy and Prof. Jean-Claude Wautrecht, Belgium

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30 – 13:35</td>
<td>Welcome and introduction</td>
<td>Prof. Adriana Visonà and Prof. Jean-Claude Wautrecht</td>
</tr>
<tr>
<td>13:35 – 13:50</td>
<td>Transcranial Doppler: the basic examination</td>
<td>Prof. Jean-Claude Wautrecht</td>
</tr>
<tr>
<td>13:50 – 14:05</td>
<td>Detection of right-to-left shunt with ultrasound contrast agent</td>
<td>Dr. Diego Tonello</td>
</tr>
<tr>
<td>14:05 – 14:20</td>
<td>How to diagnose MCA stenosis and vasospasm</td>
<td>Prof. Maria Fabrizia Giannoni</td>
</tr>
<tr>
<td>14:20 – 14:35</td>
<td>How to evaluate the intracranial hemodynamic effects of extracranial carotid disease</td>
<td>Dr. Muriel Sprynger</td>
</tr>
<tr>
<td>14:35 – 15:30</td>
<td>Duplex ultrasound hands-on</td>
<td>ALL</td>
</tr>
</tbody>
</table>

Same programme for workshop on Tuesday at 16:00 – 18:00 (workshop II)

The aim of the course is to review the role of Transcranial Doppler (TCD) ultrasonography in the routine vascular laboratory setting, in association with extracranial carotid and vertebral Duplex scanning. The course will focus on the following topics: basic TCD examination with anatomy of the intracranial arteries and normal hemodynamic values, goals of the examination, side to side comparisons, hemodynamic consequences of extracranial carotid stenosis and evaluation of vasospasm in subarachnoid haemorrhage and sickle cell disease. Hemodynamic indices and collateral flow patterns as well as general scanning techniques will be illustrated. TCD monitoring for carotid intervention and detection of right to left shunt with ultrasound contrast agent by means of TCD ultrasonography will also be reviewed.
Workshop Programme · Workshop 2

CONTRAST-ENHANCED ULTRASOUND (CEUS) COURSE (DeGUM AND SGUM CERTIFIED)

Workshop I      Sunday, May 10th  16:00 – 18:00
Workshop II     Tuesday, May 12th 13:30 – 15:30

Duration 2 hrs, Room E1, Maximum number participants: 30

Moderation: PD Dr. Karin Pfister, Germany (DeGUM) and Prof. Daniel Staub, Switzerland (SGUM)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:00 – 16:10</td>
<td>Basics and principles of CEUS</td>
<td>Prof. Daniel Staub</td>
</tr>
<tr>
<td>16:10 – 16:20</td>
<td>Equipment and settings (demonstration)</td>
<td>ALL</td>
</tr>
<tr>
<td>16:20 – 16:40</td>
<td>Aorta and EVAR</td>
<td>PD Dr. Karin Pfister</td>
</tr>
<tr>
<td>16:40 – 16:55</td>
<td>EVAR follow-up</td>
<td>Dr. Antoine Diard</td>
</tr>
<tr>
<td>16:55 – 17:10</td>
<td>Clinical cases (EVAR)</td>
<td>Dr. Nicoline Jochmann-Schiek and Prof. Maria Fabrizia Giannoni</td>
</tr>
<tr>
<td>17:10 – 17:30</td>
<td>Carotid artery and plaque neovascularization</td>
<td>Prof. Maria Fabrizia Giannoni</td>
</tr>
<tr>
<td>17:30 – 17:45</td>
<td>Clinical cases (Carotid)</td>
<td>Prof. Maria Fabrizia Giannoni and Prof. Daniel Staub</td>
</tr>
<tr>
<td>17:45 – 18:00</td>
<td>Other indications (PAD, renal perfusion) and future direction in vascular medicine</td>
<td>PD Dr. Karin Pfister and Prof. Daniel Staub</td>
</tr>
</tbody>
</table>

Same programme for workshop on Tuesday at 13:30 – 15:30 (workshop II)
## Workshop Programme · Workshop 3

### ULTRASOUND REFRESHER COURSE (DeGUM AND SGUM CERTIFIED)

Workshop I  Sunday, May 10th  13:30 – 18:00  
Workshop II  Tuesday, May 12th 13:30 – 18:00

Duration 4 hrs, Room E2, Maximum number participants: 40

*Course Directors: Prof. Rupert Martin Bauersachs, Germany (DeGUM) and PD Dr. Christoph Thalhammer, Switzerland (SGUM)*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30 – 13:35</td>
<td>Welcome and introduction</td>
<td>Prof. Rupert M. Bauersachs</td>
</tr>
<tr>
<td>13:35 – 13:50</td>
<td>Recurrent and residual deep venous thrombosis</td>
<td>Prof. Maria Amitrano</td>
</tr>
<tr>
<td>13:50 – 14:10</td>
<td>Symptomatic carotid plaque</td>
<td>Dr. Walter Dorigo</td>
</tr>
<tr>
<td>14:10 – 14:30</td>
<td>Vertebral steal syndrome</td>
<td>Dr. Daniele Righi</td>
</tr>
<tr>
<td>14:30 – 14:50</td>
<td>Duplex ultrasound of hemodialysis access</td>
<td>Dr. Jan Pitha</td>
</tr>
<tr>
<td>14:50 – 15:30</td>
<td>Duplex ultrasound hands-on</td>
<td>ALL</td>
</tr>
<tr>
<td>15:30 – 15:50</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>15:50 – 16:10</td>
<td>Duplex ultrasound of vasculitis – giant cell and Takayasu</td>
<td>Dr. Michel Dadon</td>
</tr>
<tr>
<td>16:10 – 16:30</td>
<td>Duplex ultrasound of vascular malformations</td>
<td>Prof. Marie A. Sevestre-Pietri</td>
</tr>
<tr>
<td>16:30 – 16:50</td>
<td>Duplex ultrasound of carotid arteries – tips, tricks and pitfalls</td>
<td>Dr. Walter Dorigo</td>
</tr>
<tr>
<td>16:50 – 17:05</td>
<td>Estimation of hemodynamics after carotid endarterectomy using color duplex ultrasonography</td>
<td>Dr. Dragan Vasic</td>
</tr>
<tr>
<td>17:05 – 17:20</td>
<td>Renal artery duplex ultrasound – tips, tricks and pitfalls</td>
<td>PD Dr. Christoph Thalhammer</td>
</tr>
<tr>
<td>17:20 – 18:00</td>
<td>Duplex ultrasound hands-on</td>
<td>ALL</td>
</tr>
</tbody>
</table>

Same programme for workshop on Tuesday at 13:30 – 18:00 (workshop II)
# Workshop Programme · Workshop 4

## ACUTE, SUBACUTE AND CHRONIC TOTAL OCCLUSION OF VEINS COURSE

Tuesday, May 12th 13:30 – 18:00

Duration 4 hrs, Room D2, Maximum number participants: 30

**Moderation:**
*Dr. Michael Lichtenberg, Germany and Prof. Gerard O’Sullivan, Ireland*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:50 – 14:10</td>
<td>Acute DVT endovascular treatment – tips and tricks</td>
<td>Prof. Gerard O’Sullivan</td>
</tr>
<tr>
<td>14:10 – 14:30</td>
<td>Chronic venous obstruction – optimizing treatment protocols</td>
<td>Prof. Rick de Graaf</td>
</tr>
<tr>
<td>14:30 – 14:50</td>
<td>Venous stenting – Do we have optimal stent designs for the venous system?</td>
<td>Dr. Houman Jalaie</td>
</tr>
<tr>
<td>14:50 – 15:10</td>
<td>IVUS guided recanalisation of obstructive venous lesions</td>
<td>Dr. Michael Lichtenberg</td>
</tr>
<tr>
<td>15:10 – 15:30</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>15:30 – 16:30</td>
<td>Hands-on demonstration of catheters and devices</td>
<td>ALL</td>
</tr>
<tr>
<td>16:30 – 18:00</td>
<td>Recorded live cases</td>
<td>ALL</td>
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</table>
ULTRASOUND-GUIDED ANGIOPLASTY OF AV FISTULAS STENOSIS COURSE

Sunday, May 10th     16:00 – 18:00
Duration 2 hrs, Room D3, Maximum number participants: 30

Moderation:
Dr. Olivier Pichot, France and
Prof. Diego Tonello, Italy

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:00 – 16:20</td>
<td>Duplex vascular anatomy of the upper arms</td>
<td>Prof. Daniele Righi</td>
</tr>
<tr>
<td>16:20 – 16:40</td>
<td>Duplex diagnosis of AV fistula stenosis</td>
<td>Dr. Olivier Pichot</td>
</tr>
<tr>
<td>16:40 – 17:00</td>
<td>Hands on demonstration of AV fistula duplex examination</td>
<td>ALL</td>
</tr>
<tr>
<td>17:00 – 17:20</td>
<td>Ultrasound guided angioplasty of AV fistula: principles and cases reports</td>
<td>Prof. Diego Tonello</td>
</tr>
<tr>
<td>17:20 – 18:00</td>
<td>Hands on demonstration on phantoms</td>
<td>ALL</td>
</tr>
<tr>
<td></td>
<td>- Echo-guided venous access (on phantom for AV fistula echo-guided puncture)</td>
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</tr>
<tr>
<td></td>
<td>- Echo-guided angioplasty (on phantom for AV fistula echo-guided angioplasty)</td>
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</tbody>
</table>

The course is aiming to:
1) Review vascular anatomy of the upper limb and the place of duplex ultrasound for the surveillance of haemodialysis vascular access and for the diagnosis of AV fistula stenosis.
2) Present the methodology of duplex guidance for AVF stenosis angioplasty. Hands on demonstration on phantoms will get the participant used to echo-guided venous access and ultrasound visualization of angioplasty devices.
HAEMOSTASEOLOGY WORKSHOP
– Monitoring Antiplatelets and Anticoagulants: a necessary evil or more?

Sunday, May 10th     13:30 – 15:30
Duration 2 hrs, Room D3, Maximum number participants: 30

Moderation: Prof. Michael Spannagl, Germany and Dr. Ivar Vacula, Slovakia

Panel: Prof. Susanne Alban, Germany; Dr. Salvatore Santo Signorelli, Italy
PD Dr. Jolanta Siller-Matula, Austria

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30 – 13:35</td>
<td>Introduction</td>
<td>Dr. Ivar Vacula</td>
</tr>
<tr>
<td>13:35 – 14:05</td>
<td>Platelet inhibitors</td>
<td>Prof. Jolanta Siller-Matula</td>
</tr>
<tr>
<td>14:05 – 14:35</td>
<td>Heparins, DANAPAROID and FONDAPARINUX,</td>
<td>Prof. Susanne Alban</td>
</tr>
<tr>
<td></td>
<td>including renal insufficiency</td>
<td></td>
</tr>
<tr>
<td>14:35 – 15:05</td>
<td>Direct thrombin and factor Xa inhibitors</td>
<td>Prof. Michael Spannagl</td>
</tr>
<tr>
<td>15:05 – 15:30</td>
<td>Round table</td>
<td>ALL</td>
</tr>
<tr>
<td></td>
<td>- Indication monitoring</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Interpretation of monitoring results</td>
<td></td>
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<tr>
<td></td>
<td>- Therapeutic consequence following monitoring</td>
<td></td>
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</tbody>
</table>
Workshop Programme · Workshop 7

CLINICAL MICROCIRCULATION AND THE TECHNIQUE OF CAPILLAROSCOPY

Workshop I      Sunday, May 10th     13:30 – 18:00
Workshop II     Tuesday, May 12th    13:30 – 18:00

Duration 4 hrs, Room D4, Maximum number participants: 25

Moderation: Prof. Patrick Carpentier, France, and Prof. Jill Belch, United Kingdom

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30 – 13:50</td>
<td>Techniques for measuring microcirculatory flow (including a brief introduction on skin microcirculation)</td>
<td>Dr. Faisel Khan</td>
</tr>
<tr>
<td>13:50 – 14:10</td>
<td>Nomenclature of vascular acrosyndromes, Raynaud phenomenon and systemic sclerosis</td>
<td>Prof. Jill Belch</td>
</tr>
<tr>
<td>14:10 – 14:30</td>
<td>The principles of capillary microscopy (including Semiology of capillary microscopy)</td>
<td>Dr. Anita Carlizza</td>
</tr>
<tr>
<td>14:30 – 14:50</td>
<td>The place of capillaroscopy in diagnostic and prognostic evaluation of patients with systemic sclerosis</td>
<td>Prof. Joël Constans</td>
</tr>
<tr>
<td>14:50 – 15:10</td>
<td>Capillary microscopy: limits, pitfalls, tips and tricks</td>
<td>Prof. Patrick Carpentier</td>
</tr>
<tr>
<td>15:10 – 15:30</td>
<td>Interactive interpretation of clinico-capillaroscopic cases (vignettes?)</td>
<td>Prof. Patrick Carpentier, Prof. Jean Claude Wautrecht, Prof. Joël Constans, Dr. Anita Carlizza</td>
</tr>
<tr>
<td>15:30 – 16:00</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>16:00 – 17:00</td>
<td>Practical demonstration of capillaroscopic examination with several tools</td>
<td>Prof. Patrick Carpentier, Prof. Jean Claude Wautrecht, Prof. Jill Belch, Dr. Faisel Khan</td>
</tr>
<tr>
<td>17:00 – 18:00</td>
<td>Interactive discussion of complex clinical cases with ‘powervote’ system</td>
<td>Prof. Patrick Carpentier ALL</td>
</tr>
</tbody>
</table>

Same programme for workshop on Tuesday at 13:30 – 18:00 (workshop II)

The aim of the course is to review the role of capillaroscopy in the routine vascular laboratory setting in the diagnosis of microvascular pathology. The course will focus on the following topics: basic information about the microcirculation and the principles of examining capillaries via microscopic examination. Practical demonstrations of a number of models of machines will be performed with the opportunity for the delegate to use the equipment. Strengths and weaknesses of the technique will be discussed and the session will close with an interactive discussion on more complex cases, using the ‘powervote’ system.
**NON-INVASIVE DIAGNOSTIC METHODS AND FUNCTIONAL TESTS IN VASCULAR MEDICINE**

Workshop I  Sunday, May 10th  13:30 – 18:00  
Workshop II  Tuesday, May 12th  13:30 – 18:00

Duration 4 hrs, Room E3, Maximum number participants: 40

*Moderation: PD Dr. Marc Husmann, Switzerland and Prof. Knut Kröger, Germany*

<table>
<thead>
<tr>
<th>Arterial system</th>
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</thead>
</table>
| 13:30 – 14:00 Ankle brachial index and treadmill exercise tests | PD Dr. Marc Husmann  
| 14:00 – 14:30 Oscillography (pneumatic segmental, electrical) | Prof. Knut Kröger  
| 14:30 – 15:00 Forearm blood flow/endothelial function | Prof. Ian Wilkinson/ Dr. Carmel McEniery  
| 15:00 – 15:30 Puls wave velocity | Dr. Carmel McEniery  
| 15:30 – 16:00 Break |  
| Venous system                    |  
| 16:00 – 16:30 Digital photoplethysmography and phlebodynamometry | PD Dr. Christian Kögler  
| 16:30 – 17:00 Venous plethysmography | PD Dr. Christian Kögler  
| Microcirculation                 |  
| 17:00 – 17:30 TcPO2 and O2C (oxygen consumption) | Prof. Pier-Luigi Antignani  
| 17:30 – 18:00 Nail fold capillary microscopy | Prof. Pier-Luigi Antignani  

*Same programme for workshop on Tuesday at 13:30 – 18:00 (workshop II)*
### SIMULATOR TRAINING FOR PERIPHERAL INTERVENTION – PERIPHERAL ARTERIES INCLUDING CAROTID ARTERY AND AORTA

<table>
<thead>
<tr>
<th>Workshop</th>
<th>Date</th>
<th>Time</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workshop I</td>
<td>Sunday, May 10th</td>
<td>13:30 – 15:30</td>
<td>max. 32</td>
</tr>
<tr>
<td>Workshop II</td>
<td>Tuesday, May 12th</td>
<td>13:30 – 15:30</td>
<td>max. 32</td>
</tr>
<tr>
<td>Workshop III</td>
<td>Tuesday, May 12th</td>
<td>16:00 – 18:00</td>
<td>max. 12</td>
</tr>
</tbody>
</table>

Duration 2 hrs, Room D6

**Moderation:** Dr. Eberhard Wedell, Germany and Dr. Carla van Rijswijk, The Netherlands

Tutors are also presenters in the First Steps Intervention Workshop

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30 – 13:40</td>
<td>Explanation of simulators</td>
</tr>
<tr>
<td>13:40 – 13:50</td>
<td>Forming of groups of max. 4 doctors each working on 7 simulators</td>
</tr>
<tr>
<td>13:50 – 15:30</td>
<td>4+ doctors at hands-on tables, glass models and TeraRecon workstation</td>
</tr>
<tr>
<td></td>
<td>Taking turns every 20 minutes</td>
</tr>
</tbody>
</table>

**Moderation workshop III,** Tuesday, May 12th, 16:00 – 18:00

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:00 – 16:10</td>
<td>Explanation of simulators</td>
</tr>
<tr>
<td>16:10 – 16:20</td>
<td>Forming of groups of max. 4 doctors each working on 7 simulators</td>
</tr>
<tr>
<td>16:20 – 18:00</td>
<td>4+ doctors at hands-on tables, glass models and TeraRecon workstation</td>
</tr>
<tr>
<td></td>
<td>Taking turns every 20 minutes</td>
</tr>
</tbody>
</table>

The aim of the course is to practice catheterizations in different vascular regions with the help of experienced interventionalists and the help of industry, also providing tutors for those simulators:

- Carotid artery,
- Renal artery,
- Aorta,
- Iliac arteries,
- Lower extremity arteries

In addition, lots of demo materials will be available provided by industry for hands-on maneuvers.
**Workshop Programme · Workshop 10**

**AORTIC ENDO PROSTHESIS WORKSHOP INCLUDING SIMULATOR TRAINING**

Tuesday, May 12th  13:30 – 18:00

Duration 4 hrs, Room D3/D6, Maximum number participants: 24

*Moderation: PD Dr. Andrej Schmidt, Germany and Prof. Vicente Riambau, Spain*

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30 – 13:40</td>
<td>When to treat an AAA and TAA</td>
<td>Prof. Christoph Nienaber</td>
</tr>
<tr>
<td>13:40 – 13:55</td>
<td>Planning and sizing for aortic endografting</td>
<td>PD Dr. Tilo Kölbel</td>
</tr>
<tr>
<td>13:55 – 14:05</td>
<td>Which stent graft for which aorta? Which additional material?</td>
<td>PD Dr. Andrej Schmidt</td>
</tr>
<tr>
<td>14:05 – 14:20</td>
<td>How-to-do-it: standard EVAR/TEVAR</td>
<td>Prof. Vicente Riambau</td>
</tr>
<tr>
<td>14:20 – 14:35</td>
<td>Management of difficulties and complications</td>
<td>PD Dr. Andrej Schmidt</td>
</tr>
<tr>
<td>14:35 – 14:45</td>
<td>When, why and how to treat Type B dissections</td>
<td>Prof. Christoph Nienaber</td>
</tr>
<tr>
<td>14:45 – 14:55</td>
<td>Techniques and limitations of PEVAR</td>
<td>Prof. Klaus Mathias</td>
</tr>
<tr>
<td>14:55 – 15:10</td>
<td>How to preserve the hypogastric arteries</td>
<td>PD Dr. Dieter Mayer</td>
</tr>
<tr>
<td>15:10 – 15:25</td>
<td>When to use fenestrated and branched endografts?</td>
<td>PD Dr. Tilo Kölbel</td>
</tr>
<tr>
<td>15:25 – 15:35</td>
<td>Endoleaks – types and management</td>
<td>PD Dr. Dieter Mayer</td>
</tr>
<tr>
<td>15:35 – 16:00</td>
<td>Break, change to room D6</td>
<td></td>
</tr>
<tr>
<td>16:00 – 16:20</td>
<td>Hands-on use of aortic prosthesis and closure systems</td>
<td>ALL</td>
</tr>
<tr>
<td>16:20 – 18:00</td>
<td>Simulator training</td>
<td>ALL</td>
</tr>
</tbody>
</table>

The aim of the course is to teach the basics of aortic stentgraft implantations including indication, materials, measuring and complication management, furthermore to provide hands-on and simulator training.
## Workshop Programme · Workshop 11

**FIRST STEPS IN PERIPHERAL INTERVENTION WORKSHOP**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30 – 13:40</td>
<td>How to set up an angio suite</td>
<td>Hadas Zadikario/ Michael Martens</td>
</tr>
<tr>
<td>13:40 – 13:55</td>
<td>Puncture techniques and sites</td>
<td>Dr. Martin Werner</td>
</tr>
<tr>
<td>13:55 – 14:02</td>
<td>Ultrasound-guided access</td>
<td>Dr. Carla van Rijswijk</td>
</tr>
<tr>
<td></td>
<td>All you need to know about ...</td>
<td></td>
</tr>
<tr>
<td>14:02 – 14:12</td>
<td>... sheeths</td>
<td>Dr. Lubomir Spak</td>
</tr>
<tr>
<td>14:12 – 14:27</td>
<td>... wires</td>
<td>Dr. Martin Werner</td>
</tr>
<tr>
<td>14:27 – 14:42</td>
<td>... balloons, types and sizing</td>
<td>Prof. Marianne Brodmann</td>
</tr>
<tr>
<td>14:42 – 14:57</td>
<td>... stents, types and sizing</td>
<td>Dr. Rainer Schmiedel</td>
</tr>
<tr>
<td>14:57 – 15:12</td>
<td>When to stent and not to stent</td>
<td>Prof. Dierk Scheinert</td>
</tr>
<tr>
<td>15:12 – 15:30</td>
<td>Important maneuvers: cross-over, subintimal recanalization, below-the knee recanalization etc.</td>
<td>Dr. Carla van Rijswijk</td>
</tr>
<tr>
<td>15:30 – 16:00</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>16:00 – 16:20</td>
<td>Complication management</td>
<td>Dr. Eberhard Wedell</td>
</tr>
<tr>
<td>16:20 – 16:35</td>
<td>Closure systems</td>
<td>Prof. Holger Reinecke</td>
</tr>
<tr>
<td>16:35 – 16:45</td>
<td>The patient with renal insufficiency: CO2 angiography, Gadolinium</td>
<td>Dr. Eberhard Wedell</td>
</tr>
<tr>
<td>16:45 – 17:00</td>
<td>How to treat bleedings</td>
<td>Dr. Alberto Urbaneja</td>
</tr>
<tr>
<td>17:00 – 17:15</td>
<td>Standard drug therapy before and after PTA</td>
<td>Dr. Torsten Fuss</td>
</tr>
<tr>
<td>17:15 – 17:30</td>
<td>Virtual training system incathlab</td>
<td>Prof. Max Amor</td>
</tr>
<tr>
<td>17:30 – 18:00</td>
<td>Hands-on catheter materials (sheeth, wires, ballons, stents) in room D6</td>
<td>ALL</td>
</tr>
</tbody>
</table>

Same programme for workshop on Tuesday at 13:30 – 18:00 (workshop II)

The aim of the course is to provide knowledge about the basics of endovascular therapy in peripheral arteries, from the set-up of a cath lab, characteristics of materials used, basic procedures to the management of complications induced by endovascular therapy.

To practice such knowledge it is recommended to book one of the simulator courses as well.
**MR AND CT WORKSHOP FOR VASCULAR PHYSICIANS**

Sunday, May 10th 16:00 – 18:00

Duration 2 hrs, Room D2, Maximum number participants: 35

*Moderation:*

*Dr. Gianluca Piccoli, Italy and Prof. Rick de Graaf, The Netherlands*

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:00 – 16:24</td>
<td>MRT und CT pros und cons</td>
<td>PD Dr. Thomas Henzler</td>
</tr>
<tr>
<td>16:24 – 16:48</td>
<td>Contrast enhanced MR-angiography of cerebral and peripheral arteries – techniques and clinical applications</td>
<td>Dr. Carlo Biasiutti</td>
</tr>
<tr>
<td>16:48 – 17:12</td>
<td>Contrast enhanced CT-angiography of cerebral and peripheral – clinical applications</td>
<td>Dr. Gianluca Piccoli</td>
</tr>
<tr>
<td>17:12 – 17:36</td>
<td>Imaging of veins</td>
<td>Prof. Rick de Graaf</td>
</tr>
<tr>
<td>17:36 – 18:00</td>
<td>Diagnosis of endoleaks following implantation of aortic endoprostheses</td>
<td>Prof. Klaus Mathias</td>
</tr>
</tbody>
</table>
## WORKSHOP ENDOVENOUS TREATMENT OF VARICOSE VEINS

**Workshop I**  
Sunday, May 10th  
13:30 – 18:00

**Workshop II**  
Tuesday, May 12th  
13:30 – 18:00

Duration 4 hrs, Room D5, Maximum number participants: 35

**Moderation: Dr. Thomas Meier, Switzerland and Dr. František Žernovický, Slovakia**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30 – 13:35</td>
<td>Introduction</td>
<td>Dr. Thomas Meier</td>
</tr>
<tr>
<td>13:35 – 13:55</td>
<td><strong>Pre-treatment examination</strong></td>
<td>Dr. Giuseppe Camporese</td>
</tr>
<tr>
<td></td>
<td>- Nomenclature 2015</td>
<td></td>
</tr>
<tr>
<td>13:55 – 14:25</td>
<td><strong>Hands on for venous duplex ultrasound</strong></td>
<td>ALL</td>
</tr>
<tr>
<td>14:25 – 14:35</td>
<td><strong>Choice of treatment method</strong></td>
<td>Dr. František Žernovický</td>
</tr>
<tr>
<td></td>
<td>- Indication/contraindication and outcomes of different treatments methods</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Rational approach to treatment of short saphenous vein – RFA, EVLA, UGFS</td>
<td></td>
</tr>
<tr>
<td>14:35 – 14:50</td>
<td><strong>Which image do we expect after the treatment</strong></td>
<td>Dr. Jean-Luc Gérard</td>
</tr>
<tr>
<td>14:50 – 15:05</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>15:05 – 15:55</td>
<td><strong>Ultrasound-guided foam sclerotherapy</strong></td>
<td>Mr. Philip Coleridge-Smith, Dr. Thomas Meier</td>
</tr>
<tr>
<td></td>
<td>- General principle/strategy Technology</td>
<td>Mr. Philip Coleridge-Smith, Dr. Thomas Meier</td>
</tr>
<tr>
<td></td>
<td>- Technique of UGFS and equipment for UGFS; Hands-on</td>
<td>Mr. Philip Coleridge-Smith, Dr. Thomas Meier</td>
</tr>
<tr>
<td></td>
<td>- Side effects and complications</td>
<td>Mr. Philip Coleridge-Smith, Dr. Thomas Meier</td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
<td>Speaker(s)</td>
</tr>
<tr>
<td>--------------</td>
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</tr>
<tr>
<td>15:55 – 16:35</td>
<td><strong>Endovenous thermal ablation</strong>&lt;br&gt;- General principle/strategy&lt;br&gt;- Technology of Laser/Radiofrequency&lt;br&gt;- Technique of EVLA/RFA; Hands-on&lt;br&gt;- Complications</td>
<td>Dr. Jean-Luc Gérard (Laser), Dr. František Žernovický (RFA)</td>
</tr>
<tr>
<td>16:35 – 16:50</td>
<td><strong>Break</strong></td>
<td></td>
</tr>
<tr>
<td>16:50 – 17:15</td>
<td><strong>Endovenous mechano-chemical ablation (Clarivein©)</strong>&lt;br&gt;- General principle/strategy&lt;br&gt;- Technology of Clarivein©&lt;br&gt;- Technique of Clarivein©; Hands-on&lt;br&gt;- Complications</td>
<td>Dr. Martin Pelle</td>
</tr>
<tr>
<td>17:15 – 17:45</td>
<td><strong>Endovenous ablation with glue (Cyanoacrylate, VenaSeal©)</strong>&lt;br&gt;- General principle/strategy&lt;br&gt;- Technology of VenaSeal©&lt;br&gt;- Technique of VenaSeal©; Hands-on&lt;br&gt;- Complications&lt;br&gt;- VenaSeal© in comparison with other methods</td>
<td>Prof. Dr. Thomas Pröbstle, Dr. Ulf Zierau</td>
</tr>
<tr>
<td>17:45 – 18:00</td>
<td><strong>Sclerotherapy with Ethanol Gel (Sclerogel©): differential indications</strong></td>
<td>Prof. Dr. Walter Wohlgemuth</td>
</tr>
</tbody>
</table>

*Same programme for workshop on Tuesday at 13:30 – 18:00 (workshop II)*
CAROTID STENT IMPLANTATION WORKSHOP INCLUDING SIMULATOR TRAINING

Sunday, May 10th    13:30 – 18:00

Duration 4 hrs, Room D2/D6, Maximum number participants: 24

*Moderation: Dr. Ralf Langhoff, Germany and Prof. Sumaira Macdonald, United Kingdom/USA*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30 – 13:45</td>
<td>Diagnosis, indications and results: current standard and trials</td>
<td>Dr. Ralf Langhoff</td>
</tr>
<tr>
<td>13:45 – 14:15</td>
<td>Anatomy and technique, procedural steps and materials</td>
<td>Prof. Klaus Mathias</td>
</tr>
<tr>
<td>14:15 – 14:30</td>
<td>Cerebral protection techniques</td>
<td>Prof. Sumaira Macdonald</td>
</tr>
<tr>
<td>14:30 – 14:45</td>
<td>Stents: open cell, closed cell, micromesh, new concepts</td>
<td>Dr. Koen de Loose</td>
</tr>
<tr>
<td>14:45 – 15:00</td>
<td>Challenging cases and solutions: Type III or bovine arch, calcifications, transbrachial access …</td>
<td>Prof. Klaus Mathias</td>
</tr>
<tr>
<td>15:00 – 15:15</td>
<td>Complication management</td>
<td>PD Dr. Andrej Schmidt</td>
</tr>
<tr>
<td>15:15 – 15:30</td>
<td>Concurrent medical therapy</td>
<td>Dr. Ralf Langhoff</td>
</tr>
<tr>
<td>15:30 – 16:00</td>
<td>Break and change to room D6</td>
<td></td>
</tr>
<tr>
<td>16:00 – 18:00</td>
<td>Hands-on catheter material and simulator training</td>
<td>ALL</td>
</tr>
</tbody>
</table>

The aim of the course is to achieve theoretical background on current standard of care for carotid artery stenosis and theoretical and practical background for carotid artery stenting (CAS) by using VR simulators.
Participants will receive an overview of the material which is currently used, new developments and will be educated in procedural steps for CAS and the decision making process how to approach easy and complex carotid artery stenting cases.
In recent years, great emphasis has been placed on the role of arterial stiffness in the development and complications of cardiovascular diseases. More importantly, the results from recent longitudinal studies have demonstrated that aortic stiffness is an important independent predictor of fatal and non-fatal cardiovascular events. The structural and functional changes of large arteries are age-related, but a number of conditions have been associated with accelerated arterial stiffening including diabetes, hypertensive diseases, end-stage renal disease, smoking, and atherosclerosis. It should be an area of interest for specialists in angiology/vascular medicine.
Live Case Programme · Case 1
Monday May 11

08:50–09:10  Live case transmission from University Hospital Leipzig
Subtotal, progressive stenosis right interna carotid artery
Operators: A. Schmidt, S. Bräunlich

Patient:       male, 69 years (E-R)
Clinical data: Subtotal ICA stenosis right
               CAD with moderate 3-vessel stenoses
               PAOD, Rutherford class 3, art. hypertension
Duplex:       ICA right 3.2m/sec.
Angiography:  subtotal stenosis right ICA,
               vertebral artery right 90% ostial stenosis

Procedural steps:
1. 6Fr-90 cm Shuttle Tuohy-Borst Sheath (COOK)
2. Cerebral protection: Filter-wire EZ (BOSTON SCIENTIFIC)
3. Predilatation: MiniTrek 3.5/20mm RX Balloon (ABBOTT)
4. Stenting: 7.0/30mm CGuard Carotid Embolic Prevention System (INSPIRE MD)
5. Postdilatation: Submarine Rapido 5.0/20mm RX Balloon (MEDTRONIC)
Live Case Programme · Case 2
Monday May 11

09:41–10:01  Live case transmission from University Hospital Leipzig
Common Iliac Artery Occlusion left,
previous failed recanalization attempt
Operators: A. Schmidt, S. Bräunlich

Patient:  male, 49 years (T-K)
Clinical data:  Severe claudication left buttock, thigh, calf
Rutherford class 3, art. hypertension, current smoker
ABI:  left 0.74
Angiography:  from previous treatment attempt elsewhere: Common iliac artery occlusion. Attempt to recanalize from contralateral cross-over and ipsilateral retrograde failed

Procedural steps:
1. Left brachial approach: 7Fr 90cm Sheath (Check-Flow Performer) (COOK)
2. Left femoral approach: 7Fr 20cm sheath (TERUMO)
3. Passage of the occlusion
   left brachial access: 5Fr Judkins Right 125cm diagnostic catheter (CORDIS)
   0.035” stiff angled glidewire 260cm (TERUMO)
   left retrograde: 5Fr Multipurpose catheter, 80cm (CORDIS)
   0.035” stiff angled glidewire 260cm (TERUMO)
4. Balloon-dilatation: 5/40mm Admiral (MEDTRONIC)
5. Stenting (potentially in kissing technique): Lifestream Covered Stents (BARD)
   distal extension (if necessary):
   Protege GPS selfexpanding stent (COVIDIEN/ MEDTRONIC)
Live Case Programme · Case 3
Monday May 11

11:03–11:23  Live case transmission from University Hospital Leipzig
Occlusion left SFA, severe claudication

Operators: A. Schmidt, S. Bräunlich

Patient:  female, 75 years (A-S)
Clinical data:  Severe claudication left, walking capacity 100 meters
Rutherford class 3
Previous stenting left external iliac artery 12/2014
PTA right SFA 1/2013, Permanent atrial fibrillation

ABI:  left 0.67
Angiography:  diffuse disease left SFA, occluded

Procedural steps:
1. Access:
   right CFA and cross-over approach
   6Fr 40cm Balkin Up&Over Sheath (COOK)
2. Passage of the occlusion and predilatation:
   .018" Connect Flex Guidewire 300cm
   (ABBOTT)
   5.0/120mm Pacific Balloon (MEDTRONIC)
3. Drug-Coated Balloon Treatment:
   Luminor 35 DCB (i-Vascular)
4. Stenting:
   Supera Interwoven Nitinol Stent (ABBOTT)
Live Case Programme · Case 4
Monday May 11

13:35–13:55  Live case transmission from University Hospital Leipzig
Critical Limb ischemia left,
failed Tibioperoneal Trunk Recanalization
Operators: A. Schmidt, S. Bräunlich

Patient: male, 71 years (J-G)
Clinical data: CLI with minor ulcerations left forefoot and restpain
Rutherford class 5, Previous PTA/stent left distal SFA/popliteal
ttery due to CLI 12/2013, Reocclusion popliteal stents 4/2015
with clinical deterioration, Thrombectomy left and unsuccessful
attempt to recanalize the TPT left 4/2015, CAD, permanent atrial
fibrillation, Diabetes Mellitus Type 2, art. hypertension

ABI: left 0.15
Angiography: perforation during attempt to recanalize the TPT left

Procedural steps:
1. Access: left CFA antegrade access: 5Fr 55cm Ansel Sheath (COOK)
   left peroneal retrograde access: 7cm 21 Gauge needle (COOK)
   0.018” Connect Guidewire 30cm (ABBOTT)
   0.018” TrailBlazer Support-Catheter 90cm (COVIDIEN/MEDTRONIC)
2. Angioplasty from antegrade after snaring of the retrograde guidewire:
   2.0/120mm Amphirion Deep (MEDTRONIC)
Live Case Programme · Case 5
Monday May 11

15:31–15:51  
Live case transmission from University Hospital Leipzig
73mm abdominal aneurysm
Operators: A. Schmidt, D. Branzan

Patient:  
male, 72 years (E-R)

Clinical data:  
Incidental finding of an abdominal aneurysm
art. hypertension, former smoker
CAD, MI with PTCA 2013, NYHA II-III,
COPD

Sonography and CT: > 70mm abdominal aneurysm

Procedural steps:
1. Access: percutaneous access CFA both sides with local anaesthesia
   Preloading of 2 Proglide-systems each groin (ABBOTT)
2. Guidewire-positioning: 0.035" Lunderquist 260cm Guidewire (COOK)
3. Stentgraft: InCraft 3-piece modular system (CORDIS)
4. Postdilatation: Reliant-balloon (MEDTRONIC)
Procedural steps:
1. Acces via both groins: Preloading of 2 Proglide-systems per groin (ABBOTT)
2. Implantation of an Ovation-graft (TRIVASCULAR)
3. PTA with:
   2 x 12/40mm Admiral Balloons (MEDTRONIC)
   Reliant Balloons (MEDTRONIC)
Live Case Programme · Case 7
Monday May 11

17:47–18:07  Live case transmission from University Hospital Leipzig
6-month old iliac vein thrombosis left
Operators: G. O’Sullivan, A. Schmidt, S. Steiner

Patient:    male, 30 years (P-H)
Clinical data: Isolated iliac vein thrombosis left with pulmonary embolism 12/2014
Moderate swelling left leg, venous claudication
CT:       Thrombus common and external iliac vein left with
thrombus-extension distal into the CFV and proximal into the IVC
Severe venous narrowing behind the aortic bifurcation

Procedural steps:
1. left popliteal vein access in prone position
   11Fr-25cm Sheath (TERUMO)
2. Guidewire-passage:
   5Fr Judkins Right Catheter (CORDIS)
   0.018" Connect Guidewire 300cm (ABBOTT)
3. Thrombectomy with Aspirex 10.5 Fr (STRAUB MEDICAL)
4. PTA and stenting:
   Atlas balloon (BARD)
   Sinus Venous Stent (OPTIMED)
Accreditation

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The German Society for Angiology
www.dga-gefaessmedizin.de

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Eucomed assessment outcome:
1st Annual Congress European Society of Vascular Medicine (EVSM) from 10/05/2015 to 12/05/2015 in Berlin, Germany is: COMPLIANT

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Registration fee

– for members 200,00 Euro

The national vascular medicine societies of the following countries are members of the ESVM:

Austria–ÖGIA; Belgium–BWGA; Czech Republic–CAS; France–SFMV; Germany–DGA; Hungary–MAÉT; Ireland–VMI; Italy–SIAPAV; Rumania; Serbia; Slovakia–SAS SLS; Slovenia; Sweden–SVM; Switzerland–SGA;
United Kingdom

– for non-members 300,00 Euro
– for students and nurses 50,00 Euro

Workshop fee

– 2hrs workshop/per participant 50,00 Euro
– 4hrs workshop/per participant 100,00 Euro

Registration desk

The registration desks will be open on:

Sunday, May 10, 11:00 – 18:00
Monday, May 11, 07:15 – 18:00
Tuesday, May 12, 07:45 – 13:00
General Information

Social programme

Sunday, May 10
20:15–23:00 Get together in the exhibit area

Monday, May 11
19:30–23:30 Gala dinner at Schloss Glienecke, with a performance of the Re-enactment Guard of “Tall Fellows”.

Address:
Lutter & Wegner im Schloss Glienecke, Restaurant Remise
Königstrasse 36, 14109 Berlin-Wannsee

Busses will leave at 19:00 at the Hotel.

Registration mandatory, possible at the on-site registration desk. Contribution to costs 40,00 Euro per person.
European Society for Vascular Medicine

Venue:
Dorint Hotel
Sanssouci · Berlin/Potsdam
Jägerallee 20
14469 Potsdam, Germany

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