

8th MUNICH VASCULAR CONFERENCE 2018

... where doctors meet science

06–08 December | Klinikum rechts der Isar | Munich | Germany



Chairman

Hans-Henning Eckstein
Munich, Germany

Venue

Klinikum rechts der Isar
Munich, Germany

Congress organisation

CongO GmbH
Ruffinstraße 16
80637 Munich, Germany

PRELIMINARY PROGRAMME

www.mac-conference.com



WELCOME

Dear friends of the MUNICH VASCULAR CONFERENCE,

It is our pleasure to welcome you to the 8th MUNICH VASCULAR CONFERENCE (MAC). The 8th MAC continues to be a platform for mutual exchange between vascular clinicians from all vascular medical specialties and colleagues from translational and basic research.

The 8th MAC addresses aortic, carotid, venous, and peripheral arterial diseases again. We will present the latest advances in clinical and translational vascular research, including the newest open and endovascular technologies, biological mechanisms of atherosclerosis and the latest imaging modalities.

Do not miss the latest insights into the world of academic vascular research, represented by our world-class faculty. The 8th MAC provides the latest news and cutting-edge approaches in the management of acute and chronic arterial and venous diseases.

Sincerely yours



Prof. Hans-Henning Eckstein
Chairman



Hans-Henning Eckstein
Head of the Department of Vascular and Endovascular Surgery
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S

Marc Schermerhorn,
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Frankfurt, Germany

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OFFICIAL LANGUAGE

English

FREE WIFI:

Network: BayernWLAN



GENERAL INFORMATION

DATE AND VENUE

06–08 December 2018

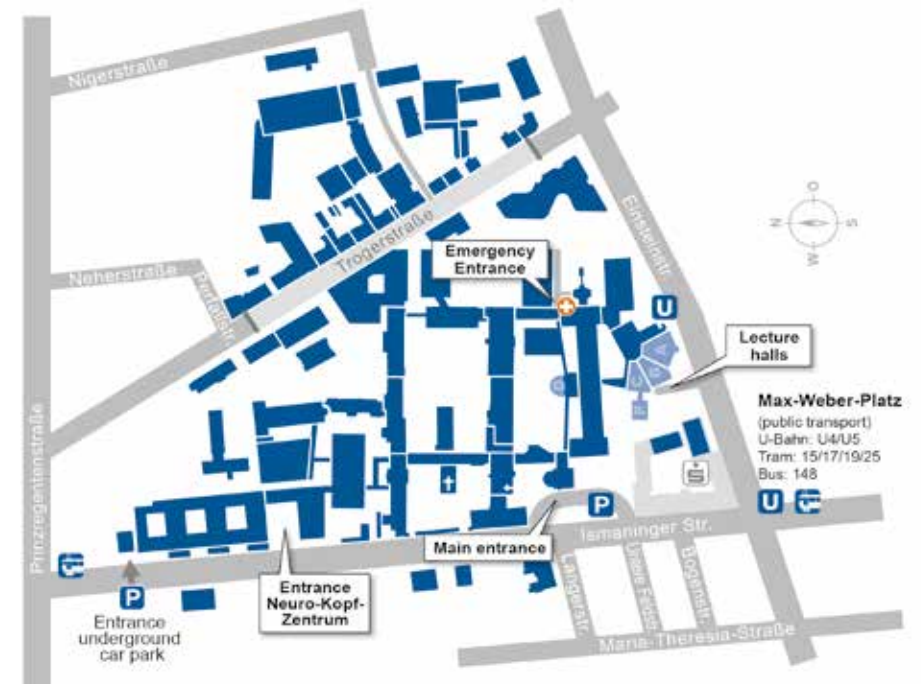
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Main entrance:

Klinikum rechts der Isar
Ismaninger Strasse 22
81675 Munich, Germany

Entrance plenary rooms:

Klinikum rechts der Isar
Einsteinstrasse 5
81675 Munich, Germany



SOCIAL DINNER

Join us for dinner, drinks, and music at the Nightclub Bayerischer Hof, Munich

Date: Thursday, 06 December 2018

Administration fee: EUR 50.00 (limited seats only)

(Registration for the social dinner is only possible in conjunction with a conference registration)

GENERAL INFORMATION

REGISTRATION HOURS

Wednesday	05 December	14:00–18:00
Thursday	06 December	08:00–18:00
Friday	07 December	08:00–18:00
Saturday	08 December	08:30–12:00

REGISTRATION FEES

Full Registration (06–08 December)

- Physicians / Industry representatives: EUR 390.00
- Fellows, Nurses, and Medical Technical Assistants (verification required ¹⁾): EUR 150.00
- Students free of charge (verification required ²⁾): EUR 0.00

Day Registration (06, 07, or 08 December)

- Physicians / Industry representatives: EUR 180.00
- Fellows, Nurses, and Medical Technical Assistants (verification required ¹⁾): EUR 75.00
- Students free of charge (verification required ²⁾): EUR 0.00

¹⁾ The reduced registration fee is only available to participants who are currently employed as fellows (assistant physicians), nurses, or medical technical assistants. Please provide proof of your current employment status. We accept ENGLISH or GERMAN verifications.

²⁾ The reduced registration fee is only available to students who have not concluded their first study yet and who are currently enrolled at the university. Please provide proof of your current university enrollment. We accept ENGLISH or GERMAN verifications.

WORKSHOPS

Workshop registrations are only possible in connection with a registration for the Munich Vascular Conference 2018. Food and beverages are included in the registration fee.

Workshop: Wednesday, 05 December 2018

Spezialkurs Interventionsradiologie zum Erwerb der Fachkunde – 1-day course on radiation safety – only for German participants.

- MAC participants: EUR 180.00
- Employees of the MRI: EUR 50.00

GENERAL INFORMATION

ACCREDITATION

Bavarian Medical Association (BLAEK)

The programme of the 8th Munich Vascular Conference, 06-08 December 2018, has been submitted to the Bavarian Medical Association (BLAEK) for CME accreditation.

EthicalMedTech

The 8th Munich Vascular Conference 2018 starting on 06 December 2018 in Munich, Germany has been rated provisionally compliant with the MedTech Europe Code of Ethical Business Practice.

European Accreditation Council for Continuing Medical Education (EACCME®)

The 8th Munich Vascular Conference, Munich, Germany, 06-08 December 2018, has been submitted to the European Accreditation Council for Continuing Medical Education (EACCME®) for CME accreditation.

GENERAL INFORMATION

CONGRESS SECRETARIAT

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PROGRAMME | WEDNESDAY, 05 DECEMBER 2018

Spezialkurs Interventionsradiologie zum Erwerb der Fachkunde (§18a RöV)

Anwendung von Röntgenstrahlung bei fluoroskopischen Interventionen an einem Organsystem und Röntgendiagnostik eines Organsystems: Gefäßsystem (peripher/zentral)

- Datum:** Mittwoch, 05.12.2018 (9.00–16.30)
- Veranstalter:** Univ.-Prof. Dr. H.-H. Eckstein
- Kursleitung/Dozenten:** OA Dr. H. Wendorff (Fachkunde Interventionsradiologie)
Itd. OA PD Dr. A. Zimmermann (Fachkunde Interventionsradiologie)
Dipl.-Phys. B. Renger (Strahlenphysiker des Instituts für Röntgendiagnostik)
OA Dr. Ch. Maegerlein (Facharzt Radiologie, OA Neuroradiologie)
OA Dr. T. Stadlbauer (Facharzt für Kardiologie)
- Ort:** OP Zentrum Nord beim Buchstaben „K“ im 3. OG, Klinik und Poliklinik für Vaskuläre und Endovaskuläre Chirurgie, Klinikum rechts der Isar der Technischen Universität München, Ismaningerstr. 22, 81675 München.
- BLAEK-Punkte:** sind bei der BLAEK beantragt
- Gebühr:** Externe Kollegen: EUR 180.00; interne Mitarbeiter des MRI: EUR 50.00
Mitarbeiter Gefäßchirurgie des MRI: kostenfrei
- Voraussetzung:** Approbation, Grundkurs und Spezialkurs Röntgendiagnostik (nicht älter als 5 Jahre)
- Inhalt:**
- Physikalisch-technische Grundlagen der Interventionsradiologie (Geräte- und Detektortechnologie - Dosismessgrößen – apparative Einflussfaktoren auf die Dosis – Aufnahmeparameter: Bedeutung für Bildqualität und Strahlenexposition)
 - Medizinische Anwendungen der Interventionsradiologie (Dosiswerte bei häufigen Untersuchungen – Strahlenexposition des Patienten und des Personals – Maßnahmen zur Dosisreduktion bei Patienten und Personal – Spezielle Techniken und ihre Anforderungen im Anwendungsbereich Gefäßinterventionen. Praxisbezogene Übungen und Demonstrationen zu dosisreduzierenden Maßnahmen – Fallbeispiele zur Analyse von Fehlern)
- Zielgruppe:** Gefäßchirurgen/Gefäßmediziner, die interventionell tätig sind, zur Erlangung der Fachkunde.
- Hinweise:** Anmeldung erforderlich, Teilnahmebestätigung
- Teilnehmerzahl:** Dieser Kurs ist auf 15 Teilnehmer begrenzt

OVERVIEW SCIENTIFIC SESSIONS

PROGRAMME | THURSDAY, 06 DECEMBER 2018

09.00-10.35	CAR 1: Clinical and imaging variables in asymptomatic carotid patients with an increased stroke risk – critical revision of the ESVS/ESC GL 2017.....	16
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13.30-15.00	CAR 3: Prospective meta-analyses of individual patient data from investigator-initiated RCTs.....	18
15.00-16.00	CAR 4: Short communications on Carotid Diseases.....	19
09.00-10.30	AOR 1: Short communications on Aortic Diseases.....	20
11.00-12.35	AOR 2: Dismantling AAAs - novel insights into disease mechanisms and future therapies.....	21
13.30-14.45	AOR 3: Biomechanics and simulation of aortic aneurysms.....	22
15.30-17.00	PAD 1: Innovative imaging and below-the-knee treatment modalities.....	22
17.20-18.35	PAD 2: Peripheral and mesenteric vascular emergencies.....	23
17.30-18.40	SPECIAL SESSION 1: Hot topics in radiation protection 2018.....	24

PROGRAMME | FRIDAY, 07 DECEMBER 2018

08.30-10.00	CAR 5: Carotid artery disease - from genes to therapies.....	26
10.30-11.30	CAR 6: Carotid ultrasound session on carotid plaque burden and plaque vulnerability.....	26
10.30-12.10	AOR 4: Ascending aorta and aortic arch.....	27
13.00-14.40	AOR 5: Thoracic/Thoraco-abdominal aneurysm and dissections.....	28
15.05-16.40	AOR 6: A critical revision of the new AAA guidelines from the ESVS, SVS, German Vascular Society (DGG), and NICE (UK).....	28
17.00-18.30	AOR 7: Complex AAA and endoleak management.....	30
08.30-10.10	PAD 3: Challenges in PAD: long and calcified femoro-popliteal lesions, in-stent-restenosis (ISR) and wound healing.....	31
14.30-15.35	PAD 4: Update on lipid-lowering therapy in carotid and peripheral atherosclerosis.....	32
15.35-16.30	PAD 5: Update on periprocedural and long-term platelet inhibition and anticoagulation in PAD.....	32
17.00-18.00	PAD 6: Short communications on Peripheral Arterial Disease.....	33
12.30-14.00	SPECIAL SESSION 2: Team training 2018.....	34
12.00-13.00	The Venous Challenge - successful strategies to treat venous lesions (Industry-Sponsored).....	34

OVERVIEW SCIENTIFIC SESSIONS

PROGRAMME | SATURDAY, 08 DECEMBER 2018

09.00-09.55	VEN 2: Short communications on Venous Diseases.....	36
09.55-11.00	VEN 3: Deep vein thrombosis (DVT) – conservative and recanalizing strategies.....	36
11.30-13.00	VEN 4: New developments in lower leg varicosis.....	37
13.30-15.00	VEN 5: Current guidelines on chronic venous diseases – a critical overview.....	38

SPONSORED WORKSHOPS THURSDAY

TOPICS.....	40
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SPONSORED WORKSHOPS FRIDAY

TOPICS.....	42
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CAROTID (CAR) SESSIONS 1–4

09.00-10.35 | CAR 1: Clinical and imaging variables in asymptomatic carotid patients with an increased stroke risk – critical revision of the ESVS/ESC GL 2017

- Clinical variables with an increased late stroke risk
Barbara Rantner
- Spontaneous embolisation on TCD and carotid plaque features
David Spence
- Silent infarction and impaired cerebrovascular reactivity
Peter Ringleb
- Grade of carotid stenosis and stenosis progression
Kosmas Paraskevas
- MRI features of unstable carotid plaques
Jonathan Nadjiri
- Multi-modal MRI identifies carotid stenosis patients with reduced cerebral blood flow and oxidative metabolism
Jens Göttler
- **Keynote Lecture:** How to select asymptomatic carotid patients for CEA (or CAS) BMT plus – a critical review of the ESVS/ESC guidelines
Alison Halliday

**11.00-12.45 | CAR 2: More news on carotid revascularisation strategies and long-term outcomes in (a)symptomatic carotid patients**

- Transcarotid stenting with flow reversal: does the kind of stent matter?
Ralf Kolvenbach
- Early and one year data from the Scaffold (micromesh) CAS Trial
Klaus Mathias
- Control of the microembolic burden of the carotid bifurcation lesion: comparison of various endovascular strategies
Sumaira MacDonald
- Total occlusion of the internal carotid artery – not a benign condition
Christos Liapis
- Outcomes following eversion vs. conventional CEA in RCTs and observational studies – a systematic review
Kosmas Paraskevas
- Long term outcomes of symptomatic patients undergoing hybrid revascularisation for extracranial carotid artery tandem stenosis
Armelle Meershoek*
- **Keynote Lecture:** Transcarotid stenting (T-CAR) vs. CEA and transfemoral CAS in the SVS Vascular Quality Initiative
Marc Schermerhorn
- **Special Lecture 1:** Cognitive impairment and dementia in politicians
Hans Förstl

* Competing for the MAC Award

CAROTID (CAR) SESSIONS

13.30-15.00 | CAR 3: Prospective meta-analyses of individual patient data from investigator-initiated RCTs**(SPACE, CREST, ACST, ICSS, EVA3-S, GALA)**

- Stroke and TIA rates at one year in SPACE-2: BMT vs. CEA vs. CAS in asymptomatic carotid stenosis
Tilman Reiff
- Current status and perspectives of ACST-2, CREST-2, and ECST-2
Richard Bulbulia
- Safety of carotid revascularisation in patients with a history of coronary heart disease
Gert de Borst
- Perioperative and clinical variables affecting the 30-day risk of stroke or death after symptomatic CEA
Christof Knappich
- Risk factors for major operative complications following asymptomatic CEA - 4.440 CEA from VACS, ACAS, ACST-1 and the GALA trial
Dylan Morris
- Carotid stent failure as a predictor for periprocedural stroke or death after CAS – a substudy from ICSS
Evelien de Vries*
- **Keynote Lecture:** Immediate, intermediate, and long-term results after CEA and CAS in four RCTs on symptomatic carotid stenosis
Leo Bonati

**15.00-16.00 | CAR 4: Short communications on Carotid Diseases**

- Carotid artery aneurysms – what endovascular treatment can achieve
Klaus Mathias
- Gadolinium enhancement and white matter lesions in extracranial carotid artery aneurysms
Vanessa Pourier
- The performance of ultrasound particle image velocimetry in a carotid artery phantom with stent
Astrid Hoving
- Non-invasive assessment of carotid plaque burden with tomographic ultrasound
Christoph Schäffer
- Treatment of internal carotid artery NEar occlusiON (NEON study): An individual patient data meta-analysis
Armelle Meershoek
- The choice of the optimal method of surgical correction of atherosclerotic carotid lesions
Ihor Kobza
- The ASA classification predicts the ipsilateral stroke free survival in asymptomatic octogenarians with elective CEA
Peter Konstantiniuk
- Standardization of semiautomatic tortuosity measurements in the carotid artery
Evelien de Vries
- Defining the awake blood pressure in patients undergoing CEA
Leonie Fassaert
- Moderate (50–69%) symptomatic carotid stenosis – what should we do?
Pedro Pinto Sousa

* Competing for the MAC Award

AORTIC (AOR) SESSIONS 1–3

09.00-10.30 ■ AOR 1: Short communications on Aortic Diseases

- Different zones (0-2) of hybrid de-branching endovascular aortic repair: outcomes and stroke analysis
Ahmed Elehra
- Mid-term results of hybrid aortic arch repair
Mikhail Chernyavskiy, Saint Petersburg, Russia
- Acute aortic syndrome – three typical case presentations
Pedro Pinto Sousa, Portugal
- Results of left subclavian artery revascularisation prior to elective TEVAR
Arnaud Kerzmann, Liège, Belgium
- Combined TEVAR and EVAR to treat thoracic Type IB endoleak and infrarenal AAA
Ahmad Naga, Alexandria, Egypt
- Late Type 1a endoleak after EVAS: a unique challenge
Rita Augusto, Porto, Portugal
- Urine biomarkers for AAA rupture – is it possible?
Sigitas Urbonavicius, Viborg, Denmark
- Angiogenesis-inhibition and AAA
Albert Busch, Munich, Germany
- Role of neutrophil extracellular traps in AAA disease development and progression
Liu Shengliang, Munich, Germany
- An easily reproducible 3D printed AAA model using open source digital tools
Jasamin Coles-Black, Australia
- Endovascular aneurysm repair in octogenarians
Pedro Pinto Sousa, Portugal
- Mycotic aortic aneurysm secondary to intravesical BCG instillation – is an endovascular approach an effective solution?
Jacinta Campos, Gaia, Portugal
- Endovascular diagnostics and treatment of acute abdominal bleedings after hepato-pancreatico-duodenal surgery
Makhmud Akhmad

- Impact of the patient risk on the volume-outcome effect for AAA surgery
Matthias Trenner
- Short Report: endovascular one stop shopping: EVAR + TAVI
Stefan Ockert
- Computer-controlled aortic occlusion (REBOA) for the treatment of cardiac arrest and bleedings
Lars Lönn

11.00-12.35 ■ AOR 2: Dismantling AAAs – novel insights into disease mechanisms and future therapies

- Exploiting novel targets in vascular remodeling and disease formation
Andrea Baker
- Update on non-invasive treatments for AAA disease
Anders Wanhainen
- Gender aspects in AAA disease
Rebecka Hultgren
- Biomechanical modeling of AAA growth and rupture; a clinical perspective
Joy Roy
- The association of neutrophil activation markers with morphological features of AAA
Wolf Eilenberg*
- Nicotine is a regulator of segmental aortic stiffening – Implications for AAA development
Markus Wagenhäuser*
- *Aorta-on-a-chip*: a novel tool to gain molecular insights into aneurysm disease
Valentina Paloschi*

* *Competing for the MAC Award*

AORTIC (AOR) SESSIONS

13.30-14.45 | AOR 3: Biomechanics and simulation of aortic aneurysms

- Predicting three-dimensional AAA growth from CT-A images
T. Christian Gasser
- Patient-specific numerical simulation of endovascular aneurysm repair
Stephane Avril
- In Silico EVAR for Abdominal Aortic Aneurysms
Michael Gee
- Advances in biomechanic and structural AAA wall analysis
Tina Cohnert
- The SCAN study reveals, that cardiovascular patients should always be screened for AAA
Benedikt Reutersberg

PERIPHERAL ARTERIAL DISEASE (PAD) SESSIONS 1–2

15.30-17.00 | PAD 1: Innovative imaging and below-the-knee treatment modalities

- DETECT-PAD II: computerized and patient specific model to determine pressure gradients in borderline stenosis with MRA / CTA.
Jean-Paul de Vries
- Zero contrast procedure by use of unenhanced MRA and CO2 angiography
Jos van den Berg
- 3D non-contrast-enhanced ECG-gated MR angiography of the lower extremities
Michael Rasper
- The REPEAT study: validation of perfusion angiography measurements for below-the-knee arteries in CLI patients
Jean-Paul de Vries
- Early results from a RCT on below-the-knee drug-eluting balloons
Marianne Brodmann
- One year results of real-life use of the latest generation of balloon expandable DES in below-the-knee treatment
Peter Goverde

- Surgical arterialisation of the plantar venous system for foot salvage after failed endovascular or operative revascularisation
Achim Neufang

17.20-18.35 | PAD 2: Peripheral and mesenteric vascular emergencies

- Open or endovascular revascularisation in the treatment of acute lower limb ischaemia
Anders Wanhainen
- Outcomes of a consecutive series of 708 patients with acute limb ischaemia
Kerstin Stoklasa
- Acute mesenteric ischaemia: irreversible vs. reversible bowel damage – a single centre experience
Heli Järve*
- Mesenteric vascular injuries in trauma: a National Trauma Data Bank (NTDB) study from the US
Susanne Evans*
- Arterial injury associated with pediatric supracondylar humerus fracture - exploration or observation?
Adel Kamhawy
- **Keynote Lecture:** Civilian and pediatric vascular trauma management – an overview
Ralf Kolvenbach

* *Competing for the MAC Award*

SPECIAL SESSION ON RADIATION PROTECTION

17.30-18.40 **Special Session 1: Hot topics in radiation protection 2018**

- Advanced radiation protection in the Hybrid OR with Zero Gravity
Tina Cohnert
- Radiation exposure during C-arm supported EVAR with the Siemens Pheno system
Stefan Ockert
- Risks associated with protracted low dose radiation exposure
BBijan Modarai
- Evidence of radiation induced cataracts and brain tumors
Dittmar Böckler
- Endovascular Aortic Sealing (EVAS) might be associated with a decrease in intraoperative radiation dose as compared to EVAR
Stefan Ockert



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CAROTID (CAR) SESSIONS 5–6

08.30-10.00 ■ CAR 5: Carotid artery disease – from genes to therapies

- Stroke Genetics: discovery, biology, and clinical implications
Martin Dichgans
- Factors associated with progression of carotid disease in high risk patients
Jan Nilsson
- Implementing genetics into clinical practice in cardiovascular disease management
Thorsten Kessler
- Interplay of oxygen sensors, inflammation, and cholesterol metabolism in atherosclerosis
Judith Sluimer
- Long non-coding RNA NUDT6 regulates fibrous cap thickness in advanced atherosclerosis
Hanna Winter*
- Expression of human somatostatin receptors and glucose transporters in carotid artery stenosis and aneurysms
Joachim Schmidt*

10.30-11.30 ■ CAR 6: Carotid ultrasound session on carotid plaque burden and plaque vulnerability

- **Keynote Lecture:** Carotid plaque burden predicts future cardiovascular events – why and how I do it!
David Spence
- Will the assessment of carotid plaque volume assessed by 3D tomographic ultrasound be an alternative indicator for CEA or CAS?
Steven Rogers
- How to detect and to stratify DUS findings at the carotid bifurcation (echolucency, ulceration, etc.)
Holger Poppert
- Correlation between plaque characteristics and presence of preoperative white matter lesions in patients undergoing CEA
Marjolijn Rots*
- TAXINOMISIS – a multidisciplinary EU project on stratification of patients with carotid artery disease
Igor Končar

AORTIC (AOR) SESSIONS 4–7

10.30-12.10 ■ AOR 4: Ascending aorta and aortic arch

- DANCAVAS trial: the incidence of coexisting aortic aneurysms and why ascending AA might be overdiagnosed!
Jes S. Lindholt
- The EACTS/ESVS expert consensus document for the treatment of thoracic aortic pathologies affecting the aortic arch
Martin Czerny
- Status of ascending aortic stent grafts in true aneurysms
Ralf Kolvenbach
- Total endovascular treatment of aortic arch pathologies using branched endografts
Martin Czerny
- Repair of acute DeBakey I dissections using a novel dissection-specific arch hybrid graft (AMDS)
Ali Shahriari
- Contact force assessment in the arch during TEVAR: How do different graft designs perform?
Celica Riga
- Assessment of flow-displacement und wall-shear-stress by 4-D aortic MR-Angiography - new options as compared to CTA
Jonathan Nadjiri
- **Special Lecture 2:** Sarcopenia and outcomes in Vascular Surgery
Julian Scott

* *Competing for the MAC Award*

AORTIC (AOR) SESSIONS

13.00-14.40 ■ **AOR 5: Thoracic/Thoraco-abdominal aneurysm and dissections**

- Prevalence of the computed tomographic morphological DISSECT predictors in uncomplicated Stanford Type B aortic dissection
Dittmar Böckler
- Early TEVAR in acute Type B dissection
Igor Končar
- Contemporary treatment of Type B aortic dissection: Is there a need for a disease specific approach to endografting?
Bijan Modarai
- Treatment of chronic aortic dissections with fenestrated and branched endografts
Eric Verhoeven
- Frozen elephant trunk techniques for chronic Type B dissections
Celica Riga
- Inner branches as an additional option besides fenestrations and branches in TAAA branched grafting
Athanasios Katsargyris
- Prevention and revision of TEVAR utilising EndoAnchors to reduce and treat endoleak
Colin Bicknell
- The SPIDERgraft: can this novel technique decrease complications after thoracoabdominal repair?
Sebastian Debus
- Side effects of EVAR and EVAR on the heart – myth or reality?
Christos Liapis

15.05-16.40 ■ **AOR 6: A critical revision of the new AAA guidelines from the ESVS, SVS, German Vascular Society (DGG), and NICE (UK)**

- **Keynote Lecture:** The new AAA guidelines from the ESVS – what is new and what is different from the 2017 SVS AAA guidelines?
Anders Wanhainen
- Are there any different recommendations in the 2018 AAA guidelines from the German Vascular Society (DGG)?
Sebastian Debus

- Changes to the management of patients with AAA in the UK: Is NICE out of touch with worldwide best practice?
Mike Wyatt
- Some small AAAs (4.5-5.5 cm) should be treated – How to select them?
Athanasios Giannoukas
- How valid is the diameter threshold of 5/5,5 cm for repair and do we need new RCTs to further improve our AAA management?
Thomas Schmitz-Rixen
- Do we need another RCT for AAA 5-5.5 or 5.5-6.0 cm?
Jes S. Lindholt
- Accuracy of routine endoscopy diagnosing colonic ischaemia after abdominal aortic aneurysm repair: a meta-analysis.
Clark Zeebregts
- Morphological predictors of an increased AAA rupture risk
Igor Končar
- Multi-modality molecular and cellular imaging to predict AAA disease progression: towards personalised assessment of disease
Rachael Forsythe

* Competing for the MAC Award

AORTIC (AOR) SESSIONS

17.00-18.30 ■ **AOR 7: Complex AAA and endoleak management**

- Role of aortic surgery in radical cancer resection
Christian Reeps
- Qualitative review of studies reporting on re-interventions after elective EVAR – a systematic review
Lars Lönn
- Selected Type I and III EL at completion of FEVAR are safe to observe
Marc Schermerhorn
- Endovascular strategies for treatment of Type I EL in EVAR
Colin Bicknell
- Expansion and atrophy – aortic wall development after EVAR with endoleak Type II
Albert Busch
- Determinants of successful and unsuccessful deployment of EndoAnchors in hostile necks; evaluation of >300 implants
Jean-Paul de Vries
- Intraarterial CEUS – first experience with a new technique to detect early endoleaks in EVAR
Matthias Trenner
- The GLOBAL FACT Registry: a world-wide registry with core lab analysis of fenestrated Anaconda for complex aortic aneurysms
Clark Zeebregts
- An iliAc BRAnch device for exclusion of Hypogastric Artery aneurysMs – ABRAHAM trial
Alexander Oberhuber

PERIPHERAL ARTERIAL DISEASE (PAD) SESSIONS 3–6

08.30-10.10 ■ **PAD 3: Challenges in PAD: long and calcified femoro-popliteal lesions, in-stent-restenosis (ISR), and wound healing**

- New DAWN – one year results combining Supera VMI and DCB for the treatment of long femoro-popliteal lesions
Peter Goverde
- 2 years results of the RAPID trial – RCT comparing Legflow DCB with Supera stenting vs. Supera alone for SFA lesions
Jean-Paul de Vries
- Are there any differences between different drug-eluting stents for femoro-popliteal lesions
Thomas Zeller
- The SVS objective performance goals (OPG) are achievable for surgical therapy in a consecutive CLI all-comers cohort
Alexander Zimmermann
- 2 years results of the COPA CABANA RCT of DCB vs. PTA for femoro-popliteal in-stent-restenosis
Gunnar Tepe
- Current status of in-stent-restenosis treatment in the SFA
Jos van den Berg
- Flow dynamics and patency rates indicate superiority of covered over kissing aortic bifurcation stents
Peter Goverde
- Closed-incision negative-pressure therapy reduces vascular surgical site infections: a prospective RCT (AIMS trial)
Alexander Gombert*
- Time of complete healing of leg ulcers following revascularisation for critical limb ischaemia
George Geroulakos

* *Competing for the MAC Award*

PERIPHERAL ARTERIAL DISEASE (PAD) SESSIONS

14.30-15.35 | PAD 4: Update on lipid-lowering therapy in carotid and peripheral atherosclerosis

- Best medical treatment for asymptomatic carotid disease – optimal LDL levels are achievable!
David Spence
- Intensive lipid-lowering for plaque stabilisation and regression? Implications for surgeons and our patients!
Richard Bulbulia
- Cardiovascular morbidity and mortality in patients with intermittent claudication – medical long-term intervention is a MUST
Barbara Rantner
- Survival after lower extremity revascularisation for critical limb-threatening ischaemia (CLTI) is better with high-dose statin
Mark Schermerhorn
- PCSK9 inhibitor evolocumab in patients with and without PAD
NN

15.35-16.30 | PAD 5: Update on periprocedural and long-term platelet inhibition and anticoagulation in PAD

- Update on periprocedural and long-term antithrombotic management in PAD
Christine Espinola-Klein
- How to assess and individualize platelet inhibition in PAD
Michael Spannagl
- Platelet inhibition PLUS low-dose anticoagulation – a new paradigm for all PAD patients?
Thomas Stadlbauer
- PAD and atrial fibrillation – how to balance out anticoagulation and antithrombotic treatment
NN

17.00-18.00 | PAD 6: Short communications on Peripheral Arterial Disease

- Transplantation of stem cells of different origin for the treatment of lower limb ischaemia
Dmitry Dombrovskyi
- Cardiovascular diseases: focus on endoplasmic reticulum stress and NRF2 signalling
Chiara Mozzini
- Sarcopenia as predictor of mortality and morbidity following major lower limb amputation
Akshitha Kesharaju
- Transbrachial approach as an alternative method in the management of aortoiliac occlusive arterial diseases
Mohamed Nagib
- Acute occlusions of the infrarenal aorta – single-center experience of 68 patients in a 14-year-period
Sabine Dallmann-Sieber
- Rare atherosclerotic aneurysms of the dorsalis pedis artery in young women – case reports and literature review
Bianca Marinelli Teixeira
- Cost effectiveness of Carbon Dioxide as Contrast Medium for the Endovascular treatment of PAOD in patients with renal dysfunction
Sohiel Nagib
- Adventitial cystic disease of the lower extremities main vessels
Yuriy Levchak
- Infragenicular PAOD in south mediterranean patients – towards a sound endovascular strategy
Emad Hussein

VENOUS (VEN) SESSIONS 2-5

09.00-09.55 | VEN 2: Short communications on Venous Diseases

- Venous stenting: initial experience and follow up in a Portuguese center
Luís Gamas
- Laser crossectomy vs. anterior accessory saphenous vein laser ablation in treating the anterior accessory saphenous vein reflux
Mohamad Nagib
- Acute upper extremity deep vein thrombosis (DVT) – indications and effectiveness of superior caval filters
Sohiel Nagib
- Role of Inferior vena cava filter insertion prior to thrombolysis of acute ilio femoral deep venous thrombosis
Mohamed Ismail
- Inferior caval obstruction – limited role of endovenous therapy
Mangesh Tarte
- Diagnostic management of the „nutcracker syndrome“
Andrij Nykonenko
- Management of the pelvic congestion syndrome
Larysa Chernukha
- Modern approaches in the treatment of diffuse forms of extremity congenital vascular malformations with the presence of microfistulas
Olena Kashyrova
- Combined role of Laser ablation, Ethanol embolisation, and foam sclerotherapy in the treatment of venous malformations
Mangesh Tarte
- Surgical management of high and low-flow vascular malformations
Adel Kamhawy

09.55-11.00 | VEN 3: Deep vein thrombosis (DVT) – conservative and recanalising strategies

- Treating acute DVT with DOACs – advances and challenges
Armando Mansilha
- Surgical vs. conservative treatment of deep venous thrombosis: follow-up, and quality of life
Andrij Nykonenko

- Quality of life and post-thrombotic syndrome after surgical thrombectomy of acute iliofemoral DVT
Stefan Ockert
- Complications of endovascular treatment for the management of May-Thurner syndrome
George Geroulakos
- Antithrombotic therapy following venous stenting: International Delphi Consensus
Alun Davies

11.30-13.00 | VEN 4: New developments in lower leg varicosis

- A novel view at the pathogenesis of varicose veins: proteomic analysis
Sigitas Urbonavicius
- Interventional treatment of perforator veins
Thomas Hirsch
- Thromboembolic complications in superficial-vein thrombosis under Rivaroxaban or Fondaparinux: the randomised SURPRISE trial
Jan Beyer-Westendorf
- High ligation and crossectomy are still an option in superficial-vein thrombosis close to the sapheno-femoral junction
NN
- **Keynote Lecture:** EVRA – a randomized trial of early endovenous ablation in venous ulceration
Alun Davies
- Current status of non-thermal/non-tumescent saphenous ablation
Thomas Pröbstle
- What do we know about the allergenic risk of adhesive vein treatments?
Thomas Hirsch

VENOUS SYMPOSIUM (VEN)

13.30-15.00 | **VEN 5: Current guidelines on chronic venous diseases – a critical overview**

- **Keynote Lecture:** Why the current international guidelines are not always accurate to define the best technique for varicose veins
Armando Mansilha
- Strengths and weakpoints of the 2017 ESVS guideline on chronic venous diseases
Alun Davies
- Multimodal treatment of small saphenous vein reflux
Mike Wyatt
- Multimodal treatment of greater saphenous vein reflux
NN
- Periprocedural and long-term compression therapy – indications, evidence, and outcomes
NN
- The postthrombotic syndrome – prevention and recanalizing treatment strategies
Houman Jalaie



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- ⑦ € 1.500: rental fee, av services

No.	TOPICS	SPONSOR	CONVENOR	TIME	ROOM
WS-1	How to perform in-situ-bypass surgery in critical limb ischaemia (in German) Contents of this workshop: <ul style="list-style-type: none"> • Indications • How to deal with side branches • How to perform valvulotomy safely 	Industry-Sponsored	Mario Kuhnert, Birkenwerder, Germany (in German)	90min	CONFERENCE ROOM
WS-2	Modern concepts in the therapy of chronic leg wounds		Andrea Masset, Munich, Germany	60min	CONFERENCE ROOM
WS-3	Cruro-pedal bypass surgery – indications and techniques Contents of this workshop: <ul style="list-style-type: none"> • How to diagnose a patent distal artery • How to get there easily • Choice of the bypass material • Completion studies 		Achim Neufang, Wiesbaden, Germany	90min	CONFERENCE ROOM
WS-4	The CERAB technique for the treatment of aorto-iliac occlusive disease (AIOD) – how to get started?	Industry-Sponsored	Peter Goverde, Antwerp, Belgium	60min	CONFERENCE ROOM
WS-5	Interactive planning of arch endografts with scallops and fenestrations Aims of this workshop are: <ul style="list-style-type: none"> • Morphometric assessment of aortic arch aneurysm • Assessment of potential landing zones • Implantation technique 	Industry-Sponsored	Alexander Zimmermann, Munich, Germany	60min	CONFERENCE ROOM

No.	TOPICS	SPONSOR	CONVENOR	TIME	ROOM
WS-6	Ultrasound of the abdominal aorta (screening, endoleak detection, CEUS)		Thomas Stadlbauer, Munich, Germany	60min	CONFERENCE ROOM
WS-7	Back to the future – take a suture • Contents of this workshop: • Suture material • Needles for calcified arteries • Practical tips	Industry-Sponsored	Theresia Faber, Hamburg, Germany	60min	CONFERENCE ROOM
WS-8	DAART: Directional atherectomy and antirestenotic therapy • Hands on training „Hawk One“ and „Spider FX“ embolic protection device • Indications Hawk One 6 and 7 French • Case examples SFA and BTK	Industry-Sponsored	Martina Lopatta, Munich, Germany	90min	CONFERENCE ROOM
WS-9	Technique and interpretation of Intraoperative Duplex Ultrasound (IDUS) – the perfect tool to exclude technical failures after carotid endarterectomy (CEA)	Industry-Sponsored	Christof Knappich, Munich, Germany	60min	CONFERENCE ROOM
WS-10	Acute Type A dissections: changing paradigms? The intention of this workshop is to shed light on all aspects of the current treatment status of Type A dissections and try to answer the question „How to treat acute DeBakey Type 1 dissections efficiently“ including best practice, clinical data, publications etc.	Industry-Sponsored	Ali Shahriari (USA) and Martin Czerny (Freiburg, Germany)	60min	CONFERENCE ROOM
WS-11	Ultrasound of the extracranial carotid bifurcation (plaque characteristics, plaque burden, degree of stenosis, CEUS)		Thomas Stadlbauer, Munich, Germany	60min	CONFERENCE ROOM

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