

6th **MUNICH** **VASCULAR** ...where doctors meet science **CONFERENCE 2016**

www.mac-conference.com

December 1st – 3rd, 2016

Klinikum rechts der Isar | Munich | Germany

FINAL PROGRAMME

CHAIRMAN (Technical University of Munich, TUM)

■ Hans-Henning Eckstein

Department for Vascular and Endovascular Surgery, Technical University of Munich, TUM

CO-CHAIRMEN (Technical University of Munich, TUM)

■ Michael Gee

■ Rüdiger Lange

■ Lars Maegdefessel

■ Holger Poppert

■ Markus Schwaiger

■ Wolfgang Wall

■ Claus Zimmer

■ Ingo Flessenkämper



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6th **MUNICH**
VASCULAR ...where doctors
meet science
CONFERENCE 2016

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www.mac-conference.com



WELCOME

Welcome to
MAC
2016



Hans-Henning Eckstein
Munich, Germany



Michael Gee
Munich, Germany



Rüdiger Lange
Munich, Germany



Lars Maegdefessel
Munich, Germany

Dear friends of the MUNICH VASCULAR CONFERENCE,

It is our pleasure to invite you very cordially to the 6th MUNICH VASCULAR CONFERENCE (MAC) on December 1st – 3rd, 2016.

Vascular diseases are diagnosed and treated by different medical specialties ranging from vascular to cardiovascular surgery, cardiology and angiology, interventional and diagnostic radiology, neurology, neuroradiology, dermatology, nuclear medicine and many others respectively. Since the number of patients suffering from any kind of arterial or venous vascular diseases is increasing, huge advances have been made in almost all vascular fields during the last years. This was only possible thanks to tremendous progress in medical technology, imaging modalities and pharmaceutical research.

The 6th MAC will continue to be a platform for mutual exchange between vascular clinicians from all medical specialties and colleagues from translational and basic research. Both sides will benefit from each other: clinicians have the chance to learn more about translational research and the evolution of cutting-edge technologies (including their pros and cons) and translational researchers may get a better understanding for the needs of clinicians and their patients.

Once again, the participants of the 2015 meeting appreciated the excellent choice of topics, the outstanding quality of the talks from the international faculty and the ideal opportunity for discussions.

Therefore, the 6th MAC will address aortic, carotid 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.

WELCOME



Holger Poppert
Munich, Germany



Markus Schwaiger
Munich, Germany



Wolfgang Wall
Munich, Germany



Claus Zimmer
Munich, Germany



Ingo Flessenkämper
Munich, Germany

Due to the tremendous developments in the treatment of venous diseases, the 6th MAC will also include a Venous Symposium, addressing the diagnosis and patient selection for open and endovascular procedures on the deep and the superficial venous system.

For the third time, we encouraged our colleagues to submit scientific abstracts. This year, 12 abstracts out of 48 submissions were selected for oral presentation and included into the scientific programme. Further 30 submitters were chosen to present their abstracts as posters. The best oral and the best two poster presentations will be awarded with EUR 300.00!

Do not miss the latest insights into the world of academic vascular research, represented by our world-class faculty. The 6th MAC will provide the latest news and cutting-edge approaches in the management of acute and chronic arterial and venous diseases.

We look forward to welcoming you in Munich.

Hans-Henning Eckstein

Michael Gee

Rüdiger Lange

Lars Maegdefessel

Holger Poppert

Markus Schwaiger

Wolfgang Wall

Claus Zimmer

Ingo Flessenkämper

DATE AND VENUE

Thursday – Saturday,
December 1st – 3rd, 2016

Klinikum rechts der Isar (MRI)
Technical University of Munich (TUM)
Ismaninger Strasse 22
81675 Munich · Germany

ORGANIZING COMMITTEE

- Hans-Henning Eckstein
Klinikum rechts der Isar, TU Munich
Department for Vascular and Endovascular Surgery
- Michael Gee
Technical University of Munich
Mechanics and High Performance Computing Group
- Rüdiger Lange
Deutsches Herzzentrum, TU Munich
Department for Cardiovascular Surgery
- Lars Maegdefessel
Klinikum rechts der Isar, TU Munich
Department for Vascular and Endovascular Surgery
Section for Vascular Biology
- Holger Poppert
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- Markus Schwaiger
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- Wolfgang Wall
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Institute for Computational Mechanics
- Claus Zimmer
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Department for Neuroradiology
- Ingo Flessenkämper
Klinikum rechts der Isar, TU Munich
Department for Vascular and Endovascular Surgery
Center for Venous Disease and Vascular Malformations

CERTIFICATION

The event "6th Munich Vascular Conference 2016" is accredited by EACCME (European Accreditation Council for Continuing Medical Education – Institution of the UEMS) for "15" hours of External CME credits. Each participant should claim only those hours of credit that have actually been spent in the educational activity.

CONGRESS SECRETARIAT

- PD Dr. Alexander Zimmermann
- Dr. Thomas Stadlbauer
- Dr. Benedikt Reutersberg
- Dr. Pavlos Tsantilas
- Dr. Michael Kallmayer
- Dr. Sarah Geisbüsch
- Dr. Eva Knipfer
- Dr. Raphaela Kübeck
- Dr. Matthias Trenner
- PD Dr. Andreas Kühnl

Department for
Vascular and Endovascular Surgery
Klinikum rechts der Isar
Technical University of Munich
Ismaninger Strasse 22
81675 Munich · Germany
Phone: +49 (0)89 41 40 2167
Fax: +49 (0)89 41 40 48 61
E-Mail: gefaesschirurgie@lrz.tum.de

LANGUAGE

The official language of this meeting is English. There will be no simultaneous translations.

GET TOGETHER

Friday, December 2nd, 2016 · 19.30
EUR 50.00 per person



CONGRESS ORGANISATION



KelCon GmbH, Christina Konkol
Liebigstrasse 16
63500 Seligenstadt · Germany
Phone: +49 (0)6182 94 666 32
Fax: +49 (0)6182 94 666 44
E-Mail: c.konkol@kelcon.de, www.kelcon.de

TRAVEL MANAGEMENT

Our travel management is looking forward to assisting you with the organisation and booking of your journey.

KelCon GmbH · Travel Management
Phone: +49 (0)6182 94 666 22
Fax: +49 (0)6182 94 666 44
E-Mail: firmendienst@kelcon.de

REGISTRATION FEE

Food and beverage is included in the registration fee.

	FULL REGISTRATION	DAY REGISTRATION December 1 st , 2 nd or 3 rd
■ Physicians	EUR 390.00	EUR 180.00
■ Fellows, Nurses and MTs	EUR 150.00	EUR 75.00
■ Students	free of charge	free of charge
■ Get together Friday evening	EUR 50.00	

WORKSHOPS

- Technical Skills Revision course, November 30th, 2016: EUR 100.00
- Kurs Interventionelle Radiologie zum Erwerb der Fachkunde
November 30th, 2016: intern EUR 50.00
extern EUR 180.00


All other workshops are free of charge. A registration is required.



Due to construction measures, the parking situation around the congress venue is quite challenging. Only a few parking spaces are available.

- H** Max-Weber-Platz
- U** U4/U5
- 15/16/19/25
- Bus line 91/191/192



Wednesday, November 30 th , 2016		
	Lecture Hall Pavillon	
08.00-17.00	Technical Skills Revision course Page 13 16 people (max)	 kindly supported by GETINGE GROUP
Thursday, December 1 st , 2016		
	Lecture Hall C	Lecture Hall Pavillon
09.00-09.30	MCC 1: Asymptomatic carotid stenosis I: update on randomized clinical trials Page 16	
09.30-10.00		
10.00-10.30	MCC 2: Asymptomatic carotid stenosis II: natural history and medical therapy Page 16	
10.30-11.00		
11.00-11.30	COFFEE BREAK	
11.30-12.00	MCC 3: Hot topics in carotid interventions Page 17	
12.00-12.30		
12.30-12.45	Special lecture by Frank Veith Page 42	
12.45-13.45	LUNCH BREAK	
13.45-14.30	MCC 4: Carotid Stenosis Trialists Collaboration (CSTC) session Page 17 Keynote lecture by Ale Algra Page 42	Poster Session I Aortic diseases Page 38/39
14.30-14.50		
14.50-15.30	MCC 5: New technologies to assess hemo- dynamic insufficiency and to prevent CAS- related microembolism Page 18	
15.30-15.45		
15.45-16.10	COFFEE BREAK	
16.10-16.30	MCC 6: Modern treatment of large artery ischemic strokes Page 18	MAC 1: Computational Fluid Dynamics (CFD) and Finite Element Analyses for aortic diseases Page 20
16.30-17.05		
17.05-17.20	Special lecture by Everard Braganza Page 43	
17.20-17.45	MCC 7: Advances in carotid plaque imaging Page 19	Keynote lecture by Gerhard Holzapfel Page 44
17.45-18.20		

Wednesday, November 30 th , 2016		
Room M2A		
Kurs Interventionelle Radiologie zum Erwerb der Fachkunde Page 14/15		09.00-16.30
Thursday, December 1 st , 2016		
Operating Room	Conference Room 1 (Workshops / Seminars)	
	WS 1: MEDTRONIC GmbH Directional atherectomy and antirestenotic therapy (DAART) Page 33	09.00-09.30 09.30-10.00
	WS 2: COOK DEUTSCHLAND GMBH Planning, sizing and deployment of the Zenith® fenestrated AAA graft demystified Page 33	10.00-10.30 10.30-11.00
	COFFEE BREAK 11.00-11.30	
	WS 3: Education and training in major amputation techniques in vascular surgery Page 33	11.30-12.00 12.00-12.30
		12.30-12.45
	LUNCH BREAK 12.45-13.45	
	WS 4: How to organize an AAA screening programme Page 33	13.45-14.30 14.30-14.45
		WS 5 A: MENTICE AB Hands-on simulator training I Page 33
	COFFEE BREAK 15.45-16.15	
WS 14 A: VASCUTEK GmbH 15.00-16.30 Fenestrated anaconda™ – where flexibility matters: Implantation training I Page 34	WS 6: SPECTRANETICS DEUTSCHLAND GMBH Atherectomy for calcified peripheral lesions – indications and techniques Page 34	16.15-16.45 16.45-17.15
		WS 14 B: VASCUTEK GmbH 16.30-18.00 Fenestrated anaconda™ – where flexibility matters: Implantation training II Page 34
17.15-17.45 17.45-18.15		

Friday, December 2nd, 2016

Lecture Hall B	
08.30-09.00	MAC 2: Molecular, genetic and mechanistic factors in aortic diseases Page 22
09.00-09.15	Keynote lecture by Philip Tsao Page 45
09.15-09.45	
09.45-10.00	
10.00-10.25	COFFEE BREAK
10.25-11.00	MAC 3: Repair of the ascending aorta and the aortic arch Page 22
11.00-11.25	
11.25-12.00	MAC 4: Advances in EVAR and open repair for complex aneurysms and dissections Page 23
12.00-12.25	
12.25-13.25	LUNCH BREAK
13.25-13.40	Special lecture by Armando Mansilha Page 45
13.40-14.15	MAC 5: Spinal cord protection in aortic surgery – evolving concepts to minimize the risk of paraplegia Page 23
14.15-14.35	
14.35-15.15	MAC 6: Advances in (P)EVAR for elective and ruptured AAA and the management of type I endoleaks Page 24
15.15-15.45	
15.45-16.10	COFFEE BREAK
16.10-16.45	MAC 7: How to prevent and to treat type II endoleaks – a never ending story Page 24
16.45-17.05	Keynote lecture by Michel Makaroun Page 46
17.05-17.45	MAC 8: Special session on radiation safety and team training Page 25
17.45-18.15	
19.30	GET TOGETHER

Friday, December 2nd, 2016

Lecture Hall Pavillon	Conference Room 1 (Workshops / Seminars)	
PAD 1: Popliteal diseases Page 27		08.30-09.00
Keynote lecture by Martin Björck Page 44	WS 5 B: MENTICE AB Hands-on simulator training II Page 35	09.00-09.15
PAD 2: Hot topics on acute and chronic limb ischaemia Page 27		09.15-09.45
		09.45-10.00
COFFEE BREAK		10.00-10.25
PAD 3: Vascular calcifications – impact on treatment and outcomes Page 28	WS 8: OPTIMED GMBH Venous stents – a challenge for men and material Page 35	10.25-11.00
		11.00-11.25
PAD 4: Restenoses after open and endo-vascular recanalizations and complex primary peripheral lesions Page 28	WS 9: Experimental vascular models and vascular biobanking Page 35	11.25-12.00
		12.00-12.25
LUNCH BREAK		12.25-13.25
		13.25-13.40
PAD 5: Translational research of peripheral and carotid atherosclerosis Page 29	WS 10: Cruro-pedal bypass surgery – indications and techniques Page 35	13.40-14.15
Keynote lecture by Ulf Hedin Page 46		14.15-14.35
	WS 11: Carotid-artery stenting (CAS) step-by-step – how to implement a CAS programme – experiences of a pioneer Page 36	14.35-15.15
		15.15-15.45
COFFEE BREAK		15.45-16.10
Poster Session II Carotid and peripheral vascular diseases Page 39/40	WS 12: Cardiovascular risk assessment in major (endo)vascular surgery Page 36	16.10-16.45
		16.45-17.05
PAD 6: Periprocedural medication after (endo)vascular PAD therapy Page 29	WS 13: C.R. BARD GMBH Endovascular techniques for chronic lesions of the iliac veins Page 36	17.05-17.45
		17.45-18.15
GET TOGETHER		19.30

Saturday, December 3rd, 2016

Lecture Hall B	
09.00-09.30	VEN 1: Chronic iliac venous obstructions and insufficiency Page 30
09.30-09.55	Keynote lecture by Stephen Black Page 47
09.55-10.30	VEN 2: Advances in open and endovascular varicose vein treatments Page 30
10.30-11.05	
11.05-11.35	COFFEE BREAK
11.35-12.00	VEN 3: Long-term outcomes of current treatment modalities of primary varicosis Page 31
12.00-12.45	
12.45-13.30	VEN 4: Update on recanalizing therapy of deep vein thrombosis (DVT) Page 31
13.30-13.55	
13.55-14.30	FAREWELL LUNCH

SCIENTIFIC PROGRAMME



Wednesday, November 30th, 2016

Lecture Hall Pavillon

1-day revision course on technical skills – preparation for the European examination as a FEBVS

Convenor:	Hans-Henning Eckstein and Matthias Trenner on behalf of VASCULAR INTERNATIONAL
Number of attendees:	16
Working groups:	4 (group A, B, C, D), 4 participants in each group, working in pairs
Date of the course:	Wednesday, November 30 th , 2016, 08.00 – 17.00
Venue of the course:	Klinikum rechts der Isar (MRI) Ismaninger Strasse 22, 81675 Munich, Germany
Content:	All participants will be allowed to practise all single parts of the skill examination on the lifelike pulsatile models from VASCULAR INTERNATIONAL
Costs:	100.00 Euro
Sponsor:	This course is kindly supported by an educational grant of

GETINGE GROUP



Open vascular surgery

- Proximal aortic anastomosis
- CEA with patchplasty
- Crural bypass anastomosis (end-to-side, vein)

Endovascular Surgery

- Sheath insertion in CFA and angiography
- Cross-over manoeuvre and PTA of an external iliac stenosis
- Cannulation of a stenosed renal artery and dilatation

Wednesday, November 30th, 2016

Room M2A

09.00-16.30	<p>Kurs Interventionelle Radiologie zum Erwerb der Fachkunde</p> <p>Anwendung von Röntgenstrahlung bei flouroskopischen Interventionen an einem Organsystem und Röntgendiagnostik eines Organsystems/Anwendungsgebietes: Gefäßsystem (peripher/zentral)</p> <p>Veranstalter: Univ.-Prof. Dr. H.-H. Eckstein</p> <p>Kursleitung/ Dozenten: OA. Dr. H. Wendorff, ltd. OA PD Dr. A. Zimmermann, Dipl.-Phys. B. Renger</p> <p>BLAEK-Punkte/ Kategorie: 8 Punkte / Kategorie H</p> <p>Gebühr: Externe Kollegen: 180 €, Hausinterne Kollegen: 50 €</p> <p>Voraussetzung: Approbation, Grundkurs und Spezialkurs Röntgendiagnostik (nicht älter als 5 Jahre)</p> <p>Inhalt: Physikalisch-technische Grundlagen der Interventionsradiologie (Geräte- und Detektortechnologie – Dosismessgrößen – apparative Einflussfaktoren auf die Dosis – Aufnahmeparameter: Bedeutung für Bildqualität und Strahlenexposition)</p> <p>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)</p> <p>Zielgruppe: Gefäßchirurgen/Gefäßmediziner, die interventionell tätig sind, zur Erlangung der Fachkunde.</p> <p>Teilnehmerzahl: Dieser Kurs ist auf 15 Teilnehmer begrenzt. Eine Anmeldung ist erforderlich.</p>
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Wednesday, November 30th, 2016

Room M2A

09.00-09.10	Begrüßung und Verteilung der Unterlagen	H.-H. Eckstein, H. Wendorff
09.10-09.55	Gerätetechnische Grundlagen	B. Renger
10.00-10.45	Physikalische Dosiseinheiten Teil 1	B. Renger
10.45-11.00	PAUSE	
11.15-12.00	Physikalische Dosiseinheiten Teil 2	B. Renger
12.05-12.50	Strahlenexposition und Dosisreduktion	H. Wendorff, B. Renger
12.55-13.40	Spezielle Techniken Gefäßinterventionen	H. Wendorff
13.40-14.10	MITTAGSPAUSE	
14.10-15.40	Praktische Übungen im Hybrid-OP	H. Wendorff, A. Zimmermann
15.45-16.30	Schriftliche Prüfung, Besprechung, Fehleranalyse	H. Wendorff



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Thursday, December 1st, 2016

Lecture Hall C

09.00-10.00	MCC 1 Asymptomatic carotid stenosis I: update on randomized clinical trials	Chairs: L. Bonati, Switzerland H. Sillesen, Denmark
	ACST-2 Update: Over 2300 asymptomatic patients randomised to CEA vs CAS – Progress towards our target of 3600 by 2019	R. Bulbulia, UK
	Current status of the European Carotid Surgery Trial 2 (ECST-2)	M. Brown, UK
	One-year results of SPACE-2	T. Reiff, Germany
	Update on the North American RCTs CREST-2 and ACST-1 – will carotid artery stenting (CAS) survive as an alternative to BMT or CEA?	F. Veith, USA
	Individual patient data meta-analyses of the immediate vs deferred CEA trials with 6000 asymptomatic patients from VA, ACAS and ACST-1	A. Halliday, UK
10.00-11.00	MCC 2 Asymptomatic carotid stenosis II: medical therapy and natural history	Chairs: H. Poppert, Germany C. Zeebregts, The Netherlands
	Defining "Best Medical Therapy" for asymptomatic carotid disease: potential benefits and limitations	R. Bulbulia, UK
	Clinical risk factors and plaque characteristics associated with new development of contralateral stenosis in patients undergoing CEA	S. Merckelbach*, The Netherlands
	Is the risk of stroke in asymptomatic carotid disease so low that risk stratification (including calcification) is meaningless?	H. Sillesen, Denmark
	The natural history of carotid occlusions	M. Brown, UK
	Debate: The stroke risk of asymptomatic carotid stenoses is neglectable under best medical treatment – any intervention is useless and potentially harmful	
	Pro: Yes, of course, the evidence from prospective registries is overwhelming, CEA and CAS are useless and potentially harmful for the patients!	A. Abbott, Australia
	Contra: Nonsense, the incidence of carotid-related strokes is still very high with thousands of patients being asymptomatic before the stroke occurred!	C. Liapis, Greece

11.00-11.30 COFFEE BREAK

*Abstract, competing for the MAC Award for the best oral presentation

Thursday, December 1st, 2016

Lecture Hall C

11.30-12.30	MCC 3 Hot topics in carotid interventions (CEA)	Chairs: T. Schmitz-Rixen, Germany I. van Herzele, Belgium
	Carotid surgery in octogenarian women?	T. Cohnert, Austria
	Symptomatic carotid revascularization: the volume of cerebral ischemic lesion predicts the outcome	A. Stella, Italy
	Influence of metabolic syndrome on the short and long-term outcome after CEA	C. Zeebregts, The Netherlands
	Value of troponin measurements in carotid artery revascularization	G. de Borst, The Netherlands
	The vertebral artery – a forgotten vessel	K. Mathias, Germany
	Technical factors associated with the in-hospital risk of stroke or death following CEA or CAS in German routine practice	C. Knappich*, Germany
12.30-12.45	Special lecture: Dealing with adversity: a requirement for success in vascular surgery	F. Veith, USA
12.45-13.45	LUNCH BREAK	
13.45-14.50	MCC 4 Carotid Stenosis Trialists Collaboration (CSTC) session	Chairs: M. Brown, UK A. Halliday, UK P. Ringleb, Germany
	Keynote lecture: Rationale of the CSTC and fruits of this international collaboration	A. Algra, The Netherlands
	How does age and sex affect stroke and mortality rates?	L. Bonati, Switzerland
	The impact of timing of treatment on the outcomes of CAS and CEA – results from 4 randomized controlled trials	B. Rantner, Austria
	Long-term outcome after stenting versus endarterectomy for symptomatic carotid stenosis: a pre-planned meta-analysis of individual patient data	D. Calvet, France
	Surgical results in CREST, SPACE 1, ICSS and EVA 3 S	A. Kühnl, Germany
	Critical comment: why randomised clinical trials do sometimes not keep the promise!	A. Abbott, Australia

Thursday, December 1st, 2016

Lecture Hall C

14.50-15.45	MCC 5 New technologies to assess hemodynamic insufficiency and to prevent CAS-related microembolism	Chairs: A. Dörfler, Germany R. Kolvenbach, Germany
	Cognitive effects of chronic cerebral hypoperfusion in patients with high-grade carotid stenosis	J. Göttler, Germany
	How to reduce microembolisms during CAS and to avoid potential long-term effects on cognition	I. van Herzele, Belgium
	DW-MRI new white lesions in carotid interventions – are they relevant and will membrane mesh carotid stents prevent microembolism?	S. MacDonald, USA
	The use of transcatheter artery stenting for complex arch anatomy – single center series and one-year outcomes	N. Leal, Spain
	Patients unsuited for CAS – the view of a CAS pioneer	K. Mathias, Germany
15.45-16.10	COFFEE BREAK	
16.10-17.05	MCC 6 Modern treatment of large artery ischemic strokes	Chairs: P. Ringleb, Germany C. Zimmer, Germany
	Simultaneous treatment of carotid artery stenosis and acute stroke	A. Dörfler, Germany
	Technological advances and perspectives in endovascular stroke treatment	T. Liebig, Germany
	TICI, mTICI or AQL? – The relevance of angiographic revascularization grading in stroke thrombectomy	B. Friedrich, Germany
	General anesthesia or sedation – what is better for brain-protection in endovascular thrombectomy?	S. Dridi, Germany
17.05-17.20	Special lecture: Vascular surgery in East Timor or let's teach conventional vascular surgery to those who will truly profit	E. Braganza, Germany

Thursday, December 1st, 2016

Lecture Hall C

17.20-18.20	MCC 7 Advances in carotid plaque imaging	Chairs: E. Bartels, Germany U. Hedin, Sweden
	Clinical value of MR carotid plaque imaging: recent results (PARISK) and novel studies (ECST-2)	P. Nederkoorn, The Netherlands
	Detecting vulnerable plaques in patients with ischemic stroke with contrast-enhanced ultrasonography (CEUS) compared to carotid MRI	M. Koch, Germany
	Modern ultrasound assessment of carotid plaque burden	T. Stadlbauer, Germany
	Will 3D-Ultrasound be of use for risk stratification in carotid disease?	H. Sillesen, Denmark
	Advances in multispectral optoacoustic tomography (MSOT)	V. Ntziachristos, Germany

Conference Room 1 (Workshops / Seminars)

09.00-10.00	Workshop 1 MEDTRONIC GmbH Directional atherectomy and antirestenotic therapy (DAART)	Page 31 M. Lopatta, Germany
10.00-11.00	Workshop 2 COOK DEUTSCHLAND GmbH Planning, sizing and deployment of the Zenith® fenestrated AAA graft demystified	Page 31 A. Zimmermann, Germany
11.00-11.30	COFFEE BREAK	
11.30-12.30	Workshop 3 Education and training in major amputation techniques in vascular surgery	Page 31 M. Steinbauer, Germany
12.30-12.45 Lecture Hall B	Special lecture: Dealing with adversity: a requirement for success in vascular surgery	F. Veith, USA
12.45-13.45	LUNCH BREAK	
13.45-14.45	Workshop 4 How to organize an AAA screening programme	Page 31 M. Björck, Sweden N. Sakalihasan, Belgium T. Schmitz-Rixen, Germany
14.45-15.45	Workshop 5 A MENTICE AB Hands-on simulator training I	Page 31 L. Lönn, Denmark
15.45-16.15	COFFEE BREAK	
16.15-17.15	Workshop 6 SPECTRANETICS DEUTSCHLAND GMBH Atherectomy for calcified peripheral lesions – indications	Page 32 R. Ghotbi, Germany
17.15-18.15	Workshop 7 BOLTON MEDICAL Interactive planning of arch endografts with scallops	Page 32 A. Zimmermann, Germany

Thursday, December 1st, 2016

Lecture Hall Pavillon

13.45-15.45	Poster Session I Aortic diseases (with an introducing lecture from C. Dszinich on "Options for late complications after surgery for aortic coarctation")	
15.45-16.10	COFFEE BREAK	
16.10-18.20	MAC 1 Computational fluid dynamics and Finite Element Analyses	Chairs: M. Gee, Germany W. Wall, Germany
	Keynote lecture: Biomechanics of aortic walls in health and disease: state of the art and challenges ahead	G. Holzapfel, Austria
	Understanding arterial wall mechanics via constituent-based modelling and high resolution imaging	N. Stergiopoulos, Switzerland
	Vascular mechanobiology: growth and remodeling in the aorta in health and disease	C. Cyron, Germany
	Contribution of mathematical models and biomechanical properties in predicting the risk of AAA rupture – the view of a vascular surgeon	N. Chakfe, France
	Modeling, simulation and optimization of artificial blood pumps	M. Behr, Germany

Operating Room

15.00-16.30	Workshop 14 A VASCUTEK DEUTSCHLAND GmbH Fenestrated anaconda™ – where flexibility matters: implantation training I Page 34	B. Bauz, Germany B. Reutersberg, Germany
16.30-18.00	Workshop 14 B VASCUTEK DEUTSCHLAND GMBH Fenestrated anaconda™ – where flexibility matters: implantation training II Page 34	B. Bauz, Germany B. Reutersberg, Germany

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PROGRAMME FRIDAY

Friday, December 2nd, 2016

Lecture Hall B

08.30-10.00	MAC 2 Molecular, genetic and mechanistic factors in aortic diseases	Chairs: G. Holzapfel, Austria L. Maegdefessel, Germany
	Keynote lecture: Molecular, genetic and mechanistic factors involved in AAA development	P. Tsao, USA
	Experimental models of aneurysm development and expansion	A. Busch, Germany
	Pathological vascular remodelling in abdominal aortic aneurysm	M. Bailey, UK
	Segmental aortic stiffness is a mechanical driver of AAA development	U. Raaz*, Germany
	Neutrophil extracellular traps in abdominal aortic aneurysm	W. Eilenberg*, Austria
	18FDG-PET imaging of unstable AAAs using microRNA signatures	N. Sakalihasan, Belgium
	Physical activity and the risk to develop AAA	M. Björck, Sweden
10.00-10.25	COFFEE BREAK	
10.25-11.25	MAC 3 Repair of the ascending aorta and the aortic arch	Chairs: C. Dzsini, Hungary J. Schmidli, Switzerland
	Frozen elephant trunk technique for aortic arch replacement	F. Beyersdorf, Germany
	Advances in endografting of the aortic arch and its branches	S. Haulon, France
	Ascending and arch branch endografts including carbon dioxide flushing to prevent air embolism	T. Kölbel, Germany
	Early experience with a single branch device for the arch	M. Makaroun, USA
	Initial clinical experience with an orthotopic endovascular solution for aortic arch pathology	M. Czerny, Germany
	Hybrid treatment of the ascending aorta and arch in acute Type I dissection	H. G. Jakob, Germany

*Abstract, competing for the MAC Award for the best oral presentation

PROGRAMME FRIDAY

Friday, December 2nd, 2016

Lecture Hall B

11.25-12.25	MAC 4 Advances in EVAR and open repair for complex aneurysms and dissections	Chairs: H. G. Jakob, Germany M. Makaroun, USA
	Results from a nationwide registry on scalloped thoracic stent grafts for short landing zones	C. Zeebregts, The Netherlands
	Update on false lumen embolisation strategies in aortic dissections	T. Kölbel, Germany
	5-years results of fenestrated (FEVAR) and branched (BEVAR) endografting for post-dissection aneurysms	E. Verhoeven, Germany
	Acute non-A non-B aortic dissection: definition, treatment and outcome	B. Rylski*, Germany
	Repair of emergent thoracoabdominal aneurysms using off-the-shelf devices	B. Modarai, UK
	The role of endostapling in TEVAR and fenestrated grafts (supported by an educational grant of Medtronic)	P. Kasprzak, Germany
	The role of in situ fenestration in complex aortic repair	R. Kolvenbach, Germany
12.25-13.25	LUNCH BREAK	
13.25-13.40	Special lecture: Why the European qualification in vascular surgery (FEBVS) will be even more important in the future!	A. Mansilha, Portugal
13.40-14.35	MAC 5 Spinal cord protection in aortic surgery – evolving concepts to minimize the risk of paraplegia	Chairs: N. Sakalihasan, Belgium F. Beyersdorf, Germany
	Current strategies to prevent spinal cord ischemia in thoracoabdominal aortic aneurysm repair	G. W. Schurink, The Netherlands
	The value of temporary aneurysm sac perfusion, MEP and spinal drainage in complex endovascular aortic repair	P. Kasprzak, Germany
	Is CSF drainage really mandatory in branched endografting for TAAA?	E. Verhoeven, Germany
	Minimally invasive selective segmental artery coil-embolization (MISACE): The papaARTIS trial	C. Etz, Germany
	Imaging of spinal cord perfusion – first results of a new technique	A. Huber, Germany S. Geisbüsch, Germany

*Abstract, competing for the MAC Award for the best oral presentation

Friday, December 2nd, 2016

Lecture Hall B

14.35-15.45	MAC 6 Advances in (P)EVAR for elective and ruptured AAA and the management of type I endoleaks	Chairs: T. Cohnert, Austria L. Lönn, Denmark F. Veith, USA
	A comparison of percutaneous femoral access in EVAR versus open femoral access (PIERO): randomized controlled trial	C. Zeebregts, The Netherlands
	The fascial suture technique as closure procedure of the femoral arteries after EVAR – not only a bail out technique!	M. Malina, Sweden
	AAAs >55mm are more likely associated with hostile proximal neck: A potential need for reappraisal of diameter threshold to intervene in the EVAR era	A. Giannoukas, Greece
	Endostapling in the prevention and treatment of type Ia endoleaks in the abdominal aorta (supported by an educational grant of Medtronic GmbH)	R. Kolvenbach, Germany
	FEVAR for failed endovascular aortic repair	A. Assadian, Austria
	Late rupture after EVAR is still an unsolved problem: analysis of causes, treatments and outcomes	V. Makaloski*, Switzerland
	Tipps and tricks to successfully treat juxtarenal ruptured AAA by EVAR	M. Malina, Sweden
	Ruptured juxtarenal AAA are better treated by open surgery	J. Schmidli, Switzerland
15.45-16.10	COFFEE BREAK	
16.10-17.05	MAC 7 How to prevent and to treat type II endoleaks – a never ending story	Chairs: S. Haulon, France M. Malina, Sweden
	How and when to do sac embolization during EVAR	A. Stella, Italy
	Keynote lecture: Prevalence and natural history of type II endoleaks – or: do we still misjudge a potentially dangerous condition?	M. Makaroun, USA
	Predictors of endoleak type II risk, in the era of prevention with aneurysm sac filling during EVAR	F. Grego, Italy
	Are there any indications for preoperative embolisation of lumbar arteries and/or the IMA	L. Lönn, Denmark
	Embolisation techniques of type II endoleaks (supported by an educational grant of Medtronic GmbH)	A. Zimmermann, Germany

*Abstract, competing for the MAC Award for the best oral presentation

Friday, December 2nd, 2016

Lecture Hall B

17.05-18.15	MAC 8 Special session on radiation safety and team training	Chairs: C. Liapis, Greece S. MacDonald, USA E. Verhoeven, Germany
	Biodosimetric assessment of the effects of radiation exposure after endovascular intervention	B. Modarai, UK
	Ongoing radiation safety simulation training project: Update from Copenhagen, Denmark	L. Lönn, Denmark
	Improving safety and work flow in the Hybrid OR: the HOT (Hybrid Operation Technician) concept	J. Gahlen, Germany
	Impact of the use of intraoperative extra low dose imaging protocols	N. Dias, Sweden
	How to achieve optimal imaging in the Hybrid OR and to reduce radiation (according to the ALARA criteria) at the same time	S. Haulon, France
	Optimal use of the Clarity system to reduce radiation for patients and staff	J. Tessarek, Germany
	How do we decrease risk of TEVAR/EVAR by the use of <i>Vessel Navigator</i>	J. Brunkwall, Germany

PROGRAMME FRIDAY

Friday, December 2nd, 2016

Conference Room 1 (Workshops / Seminars)

09.00-10.00	Workshop 5 B MENTICE AB Hands-on simulator training II Page 35	L. Lönn, Denmark
10.00-10.25	COFFEE BREAK	
10.25-11.25	Workshop 8 OPTIMED GMBH Venous stents – a challenge for men and material Page 35	K. Kipp, Germany
11.25-12.25	Workshop 9 Experimental vascular models and vascular biobanking Page 35	L. Maegdefessel, Germany
12.25-13.25	LUNCH BREAK	
13.25-13.40 Lecture Hall B	Special lecture: Why the European qualification in vascular surgery (FEBVS) will be even more important in the future!	A. Mansilha, Portugal
13.40-14.35	Workshop 10 Cruro-pedal bypass surgery – indications and techniques Page 35	A. Neufang, Germany
14.35-15.45	Workshop 11 Cardiovascular risk assessment in major (endo)vascular surgery Page 36	J. Scott, UK T. Stadlbauer, Germany
15.45-16.10	COFFEE BREAK	
16.10-17.05	Workshop 12 Carotid-artery stenting (CAS) step-by-step – how to implement a CAS programme – experiences of a pioneer Page 36	K. Mathias, Germany
17.05-18.15	Workshop 13 C.R. BARD GmbH Endovascular techniques for chronic lesions of the iliac veins Page 36	H. Jalaie, Germany

*Abstract, competing for the MAC Award for the best oral presentation

PROGRAMME FRIDAY

Friday, December 2nd, 2016

Lecture Hall Pavillon

08.30-09.10	PAD 1 Popliteal diseases	Chairs: J. Gahlen, Germany A. Giannoukas, Greece
	Keynote lecture: The natural history of popliteal artery aneurysms (PAA). When should it be excluded and does anticoagulation play a role before or after surgery?	M. Björck, Sweden
	Current use of endorepair for popliteal aneurysms (PAA)	M. Makaroun, USA
	Five year outcomes of surgical treatment for popliteal artery entrapment syndrome	N. Chakfe, France
09.10-10.00	PAD 2 Hot topics on popliteal diseases, acute ischaemia and chronic limb ischaemia	Chairs: F. Grego, Italy M. Steinbauer, Germany
	Current status of controlled limb reperfusion	F. Beyersdorf, Germany
	Acute lower limb ischaemia in patients with cancer	J. Scott, UK
	Bioresorbable everolimus-eluting vascular scaffold for patients with peripheral artery disease (ESPRIT I): 2-year clinical and imaging results	F. Wolf, Austria
	Negative pressure wound therapy versus standard wound care in chronic diabetic foot wounds: a randomized controlled trial	M. Storck, Germany
	Quality of time spent without symptoms of disease or toxicity of treatment (Q-TWiST) in diabetic patients with CLI and digital gangrene. Does primary TMA after revascularization offer superior outcome? A 12-year experience	M. Elsherif*, Ireland
10.00-10.25	COFFEE BREAK	

PROGRAMME FRIDAY

Friday, December 2nd, 2016

Lecture Hall Pavillon

10.25-11.25	PAD 3 Vascular calcifications – impact on treatment and outcomes	Chairs: N. Chakfe, France C. Espinola-Klein, Germany K.-L. Laugwitz, Germany
	Biological mechanisms of severe vascular calcifications – do those patients need a more aggressive primary or secondary medical prevention strategy?	C. Liapis, Greece
	The amount of aortic calcification is predictive for the rupture risk in AAA – is aortic calcification also predictive for other cardiovascular complications?	C. Zeebregts, The Netherlands
	Calcium score as a predictor of survival after EVAR	N. Dias, Sweden
	Calcification at the carotid bifurcation – an indicator for stability or instability?	P. Ringleb, Germany
	Techniques and results of infrainguinal endovascular recanalizations in heavily calcified peripheral arteries	M. Fusaro, Germany
11.25-12.25	PAD 4 Restenoses after open or endovascular recanalizations and complex primary peripheral lesions	Chairs: G. de Borst, The Netherlands J. Scott, UK
	Pathobiology of neointimal hyperplasia and restenosis: Lessons from cell biology and animal models	M. Wildgruber, Germany
	The impact of neoatherosclerosis after drug-eluting stents/balloons	M. Joner, Germany
	Restenosis after infrainguinal vein bypasses – plain balloon angioplasty, drug-eluting balloon (DEB), stenting or surgical correction?	J. Brunkwall, Germany
	In-stent-restenosis – are DEB the best way to go or should we use stentgrafts in this situation?	M. Fusaro, Germany
	Which peripheral lesions should be treated primarily by DEB rather than plain balloons or stents?	I. van Herzelee, Belgium
12.25-13.25	LUNCH BREAK	
13.25-13.40 Lecture Hall B	Special lecture: Why the European qualification in vascular surgery (FEBVS) will be even more important in the future!	A. Mansilha, Portugal

*Abstract, competing for the MAC Award for the best oral presentation

PROGRAMME FRIDAY

Friday, December 2nd, 2016

Lecture Hall Pavillon

13.40-15.10	PAD 5 Translational research of peripheral and carotid atherosclerosis	Chairs: L. Maegdefessel, Germany M. Wildgruber, Germany
	Keynote lecture: Transcriptomic insights into carotid artery plaque vulnerability	U. Hedin, Sweden
	Neutrophils in atherosclerosis – from initiation to destabilisation	O. Söhnlein, Germany
	The long non-coding RNA MIAT regulates smooth muscle cell proliferation and macrophage activity in advanced atherosclerotic lesions	Y. Li*, Sweden
	Transcription factor Runx2 is induced in vascular aging and may promote age-related arterial stiffness	I. Schellinger*, Germany
	Developing novel therapies for the critically ischemic limb: encapsulated angiogenic cells	B. Modarai, UK
15.45-16.10	COFFEE BREAK	
16.10-17.20	Poster Session II Carotid and peripheral vascular diseases	
17.20-18.15	PAD 6 Periprocedural medication after open and endovascular PAD therapy	Chairs: A. Algra, The Netherlands M. Storck, Germany
	Current and novel pharmaceutical treatment opportunities for patients with PAD	C. Espinola-Klein, Germany
	There is NO evidence for dual antiplatelet therapy in peripheral arterial disease interventions and the sense or nonsense of individual platelet function testing	G. de Borst, The Netherlands
	Rationale and design of the VOYAGER Trial	H. Lawall, Germany
	Intermediate dose of Tinzaparin for the treatment of superficial vein thrombosis: Results from a national multicentre study – the SEVEN Study	A. Giannoukas, Greece
	Optimal medical adjuncts for distal leg bypasses – experiences from a dedicated and very experienced bypass surgeon	A. Neufang, Germany

19.30

GET TOGETHER

Saturday, December 3rd, 2016

Lecture Hall B

09.00-09.55	VEN 1 Chronic iliac venous obstructions and insufficiency	Chairs: I. Flessenkämper, Germany A. Mansilha, Portugal
	Keynote lecture: The evolution of stent designs for chronic iliac vein obstructions	S. Black, UK
	Early and mid-term single-center results after stenting of chronic iliac vein occlusions – what has changed and what has proved to be effective and safe?	H. Jalaie, Germany
	The extraluminal valvuloplasty: organ preserving therapy of the greater saphenous vein insufficiency	A. Mumme, Germany
	The pelvic congestion syndrome – clinical manifestation, diagnostics and treatment options	J. Traber, Switzerland
09.55-11.05	VEN 2 Advances in open and endovascular varicose vein treatments	Chairs: H. Jalaie, Germany A. Mumme, Switzerland
	Standardized clinical examination and duplex evaluation after treatment of truncal vein insufficiency	C.-G. Schmedt, Germany
	Endovenous ablation of varicose veins – gentle, fast and safe. Which device should be used?	T. Weiler, Germany
	Glue – the new star at the varicose sky?	E. Thierjung, Germany
	Optimal indications for foam sclerotherapy	F. X. Breu, Germany
	New minimal-invasive methods to treat recurrent varicose veins. Is Re-do surgery still necessary?	K. Hartmann, Germany
	Varicose veins surgery – what is more important, the technique or the strategy?	A. Mansilha, Portugal

11.05-11.35 **COFFEE BREAK**

* Abstract, competing for the MAC Award for the best oral presentation

Saturday, December 3rd, 2016

Lecture Hall B

11.35-12.45	VEN 3 Long-term outcomes of current treatment modalities of primary varicosis	Chairs: A. Assadian, Austria G. Biro, Germany
	The German stripping trial: long-term results of varicose vein surgery (LaVaCro-Multicenter-Trial)	G. Papapostolou, Germany
	Long-term results of a three-armed randomized trial comparing EVLT, open operative therapy and a hybrid approach – the German Laser trial	I. Flessenkämper, Germany
	Long-term outcomes after radiofrequency ablation	D. Tsantilas, Germany
	Long-wave Endovenous Laser Therapy with Thulium Laser (Tm, 1940nm) – Results after 1 Year	C.-G. Schmedt, Germany
	100 ulcerated limbs treated with ultrasound guided foam sclerotherapy after four years – is recurrence related to recanalisation?	J. Warne*, UK
	Specialist vascular input improves outcomes for patients with chronic venous leg ulcers	C. E. Davies*, UK
12.45-13.55	VEN 4 Update on recanalizing therapy of deep vein thrombosis (DVT)	Chairs: H. Lawall, Germany J. Traber, Switzerland
	Endovascular thrombectomy for acute iliofemoral DVT	M. Lichtenberg, Germany
	The Aachen-Maastricht approach for the endovascular recanalization of deep vein thrombosis (DVT)	H. Jalaie, Germany
	Is open surgery still an option for ilio-caval DVT	G. Heller, Switzerland
	Are there still any valid indications for thrombophilia screening in DVT?	A. Mansilha, Portugal
	Catheter directed lysis in pulmonary embolism – a vascular surgeon's view (Sponsoring AB Medica – EKOS)	R. Kolvenbach, Germany
	Stenting of tumor-associated central venous obstructions – technique and results	J. Tessarek, Germany

13.55-14.30 **FAREWELL LUNCH**

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WORKSHOPS AND POSTER SESSIONS

WORKSHOPS

Thursday, December 1st, 2016



Conference Room 1 (Workshops / Seminars)

09.00-10.00	Workshop 1 MEDTRONIC GMBH Directional atherectomy and antirestenotic therapy (DAART)		M. Lopatta, Germany
10.00-11.00	Workshop 2 COOK DEUTSCHLAND GmbH Planning, sizing and deployment of the Zenith® fenestrated AAA graft demystified Aims of this workshop are <ul style="list-style-type: none"> • To learn methods to evaluate cases for fenestrated grafts • To get the knowledge of key points to plan and size a fenestrated graft • To understand every single step in the deployment of the graft 		A. Zimmermann, Germany
11.30-12.30	Workshop 3 Education and training in major amputation techniques in vascular surgery Contents of this seminar <ul style="list-style-type: none"> • Optimal levels of amputation • When is a primary amputation reasonable • When to perform a forefoot amputation primarily • Foot, BTK and ATK amputation techniques 		M. Steinbauer, Germany
13.45-14.45	Workshop 4 How to organize an AAA screening programme Including the following talks: <ul style="list-style-type: none"> • Outcome of the Swedish nationwide AAA screening program • Extending AAA detection to older age groups – preliminary results from the Liege Screening Programme • Current status of the German AAA Screening project 		M. Björck, Sweden N. Sakalihasan, Belgium T. Schmitz-Rixen, Germany
14.45-15.45	Workshop 5 A MENTICE AB Hands-on simulator training I A proctor led workshop with a focus on procedural technique and radiation safety <ul style="list-style-type: none"> • Endovascular Aortic Repair (EVAR) • Pelvic trauma management with embolisation • REBOA (Resuscitative Endovascular Ballon Occlusion of the Aorta) • Iliac/SFA interventions 		L. Lönn, Denmark



WORKSHOPS

Thursday, December 1st, 2016

Conference Room 1 (Workshops / Seminars)

16.15-17.15	Workshop 6 SPECTRANETICS DEUTSCHLAND GMBH Atherectomy for calcified peripheral lesions – indications and techniques <ul style="list-style-type: none"> • Indications • Procedural aspects • Limitations 		R. Ghotbi, Germany
17.15-18.15	Workshop 7 BOLTON MEDICAL Interactive planning of arch endografts Aims of this workshop are <ul style="list-style-type: none"> • Morphometric assessment of aortic arch aneurysm • Assessment of potential landing zones • Implantation technique 		A. Zimmermann, Germany

Operating Room

15.00-16.30	Workshop 14 A VASCUTEK DEUTSCHLAND GMBH Fenestrated anaconda™ – where flexibility matters: implantation training I on lifelike models		B. Bautz, Germany
16.30-18.00	Workshop 14 B VASCUTEK DEUTSCHLAND GMBH Fenestrated anaconda™ – where flexibility matters: implantation training II on lifelike models		B. Bautz, Germany

WORKSHOPS

Friday, December 2nd, 2016

Conference Room 1 (Workshops / Seminars)

09.00-10.00	Workshop 5 B MENTICE AB Hands-on simulator training I A proctor led workshop with a focus on procedural technique and radiation safety <ul style="list-style-type: none"> • Acute ischemic stroke management • Carotid Artery Stenting (CAS) • Cerebral intervention 		L. Lönn, Denmark
10.25-11.25	Workshop 8 OPTIMED GMBH Venous stents – a challenge for men and material Content of this workshop <ul style="list-style-type: none"> • Material science • Stent characteristics • Practical exercises on the vessel model 		K. Kipp, Clinical Specialist Venous Therapies H. Jalaie, Germany
11.25-12.25	Workshop 9 Experimental vascular models and vascular biobanking Contents of this seminar <ul style="list-style-type: none"> • Implementation of a vascular laboratory • Which animal models are available • Logistics of a vascular biobank 		L. Maegdefessel, Germany J. Pelisek, Germany
13.40-14.35	Workshop 10 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 of studies 		A. Neufang, Germany

Friday, December 2nd, 2016

Conference Room 1 (Workshops / Seminars)

14.35-15.45	Workshop 11 Carotid-artery stenting (CAS) step-by-step – how to implement a CAS programme – experiences of a pioneer	K. Mathias, Germany
16.10-17.05	Workshop 12 Cardiovascular risk assessment in major (endo)vascular surgery This seminar includes a talk on the predictive value of cardiopulmonary exercise testing before EVAR (J. Scott) Further contents of this seminar are: <ul style="list-style-type: none"> • Individualized cardiovascular assessment • Which patients benefit from coronray angiography? • How to assess the lung function 	J. Scott, UK T. Stadlbauer, Germany
17.05-18.15	Workshop 13 C.R. BARD GMBH Endovascular techniques for chronic lesions of the iliac veins	H. Jalaie, Germany



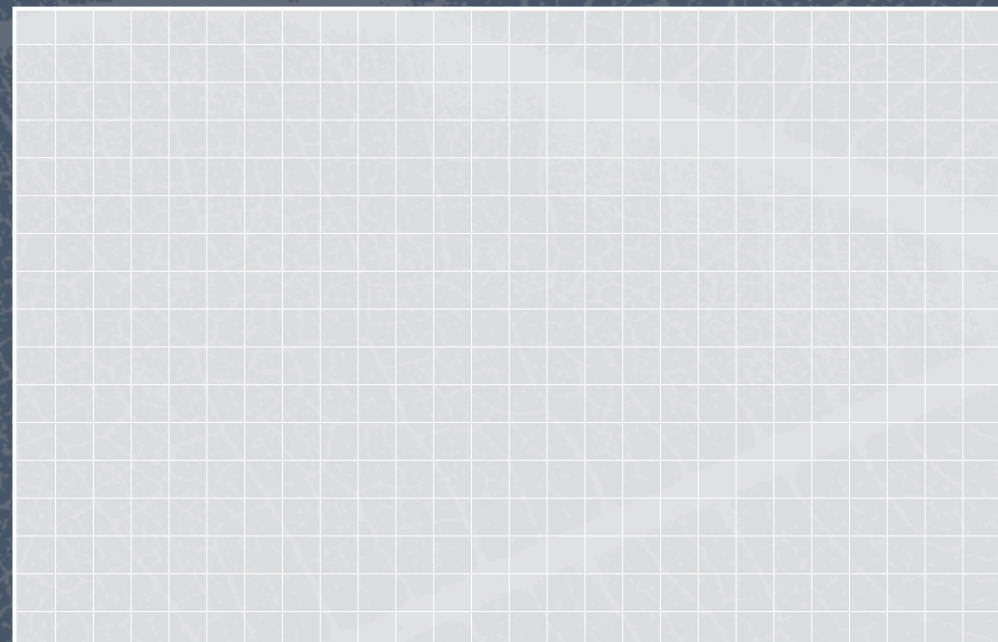
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POSTER SESSIONS

Thursday, December 1st, 2016

Lecture Hall Pavillon Poster Session I

13.45-15.45		Introducing lecture: Options for late complications after surgery for aortic coarctation	C. Dzsini, Budapest, Hungary
Aortic diseases	P03	Pathogenically-based pharmacological stabilization of abdominal aortic aneurysm growth – a one year study	A. Nykonenko, Zaporozhye, Ukraine
	P04	Management of floating thrombus in the aortic arch	R. Bühlmann, Bern, Switzerland
	P06	Descendo-bifemoral bypass grafting and renal artery revascularization to treat complex obliterative arteriopathy	S. Kondov, Freiburg, Germany
	P08	Neutrophil subsets and activation markers are sensitive diagnostic indicators of the abdominal aortic aneurysm	B. Zagrapan, Vienna, Austria
	P11	Animal experiment: Conservative treatment of prosthetic vascular graft infection caused by Staphylococcus aureus	E. Staneviciute, Vilnius, Lithuania
	P12	Small abdominal aortic aneurysm ruptures – potential risk factors identification and new way of rupture risk prediction based on finite element method	L. Kubicek, Brno, Czech Republic
	P14	Salmonella aortitis	V. Treska, Plzen, Czech Republic
	P16	How does the descending aorta geometry change when it dissects?	B. Rylski, Freiburg, Germany
	P19	Case report: An alternative material in treatment of vascular prosthetic graft infection	H. Järve, Tartu, Estonia
	P21	Downstream remodeling of the aorta after the frozen elephant trunk repair of arch and descending aortic aneurysms	M. Kreibich, Freiburg, Germany
	P22	Single center experience with orthotopic pericardial tube graft replacement of infected abdominal aortic grafts	M. Kreibich, Freiburg, Germany
	P23	Follow-up of small abdominal aortic aneurysms using 3D-ultrasound: volume versus diameter	Q. M. Ghulam, Copenhagen, Denmark
	P24	Early and late failure of EVAR – surgical and endovascular solution	J. Molacek, Plzen, Czech Republic
	P27	MicroRNA-29b is a regulator and therapeutic target of aortic stiffness in Type 2 Diabetes	I. N. Schellinger, Göttingen, Germany
	P29	Inflammatory abdominal aortic aneurysm and early postoperative outcomes after open-surgery: a 10-year single-center experience	N. Floros, Düsseldorf, Germany

Each poster: 3 minutes presentation + 3 minutes discussion

POSTER SESSIONS

Thursday, December 1st, 2016

Lecture Hall Pavillon Poster Session I

	P31	3-D Modeling (rapid prototyping) of the abdominal aorta for experimental endovascular navigation	M. Kleemann, Lübeck, Germany
	P40	Female sex is an independent risk factor for worse clinical outcomes in AAA treatment in Germany	M. Trenner, Munich, Germany
	P41	Simulator Training for Complex Endovascular Procedures	J. Falkensammer, Vienna, Austria
	P42	Does the graft design determine the AAA shrinkage rate? Single center 12-36 month FU data of the new TREOVANCE device for AAA repair show a durable exclusion with an unexpected high shrinkage rate	J. Tessarek, Lingen, Germany

Friday, December 2nd, 2016

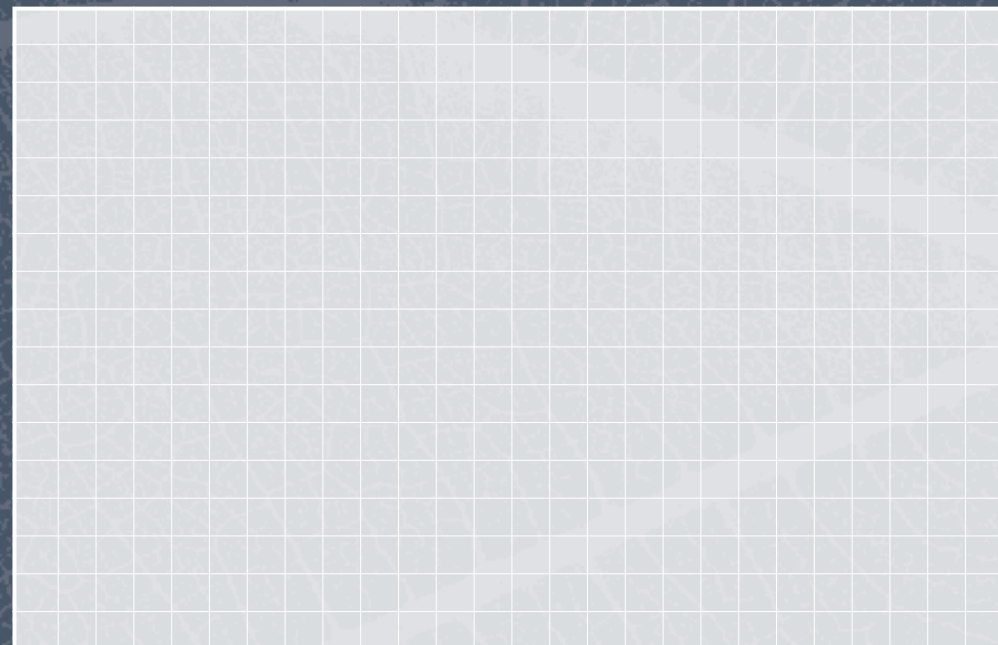
Lecture Hall Pavillon Poster Session II

16.10-17.20 Carotid and peripheral vascular diseases	P02	Early carotid endarterectomy after acute stroke	Y. Yermolayev, Zaporozhye, Ukraine
	P09	Induction of miR-21 increases fibrous cap stability in vulnerable atherosclerotic lesions	H. Jin, Stockholm, Sweden
	P13	TOBA below-the-knee (BTK): 12 month results of a new method for treating CLI with post-PTA dissections	L. Kubicek, Brno, Czech Republic
	P17	How to improve the ABCD2-Score – The surgeons view	P. Konstantiniuk, Graz, Switzerland
	P18	Case report: total spontaneous recanalization of internal carotid artery during a ten-year period	T. Ellersee, Tartu, Estonia
	P20	Early carotid endarterectomy	T. Novotny, Brno, Czech Republic
	P32	Intraoperative vascular visualization in patients undergoing carotid endarterectomy with Indocyanin Green (ICG)	M. Kleemann, Lübeck, Germany
	P34	Specialist vascular input improves outcomes for patients with chronic venous leg ulcers	C. E. Davies, Gloucestershire, UK
	P38	Preventing dementia – Is carotid intervention the answer?	R. Llewellyn-Bennett, Oxford, UK
	P39	An investigation of the prevalence of and risk factors for asymptomatic carotid stenosis among 2.5 million US and UK adults	D. R. Morris, Oxford, UK
	P43	Time dependency of H2S-induced organ protection during long-term, resuscitated porcine hemorrhage	F. Simon, Düsseldorf, Germany
	P44	Expression and cellular localization of CXCR4 and CXCL12 in human carotid atherosclerosis	S. Merkelbach, Utrecht, The Netherlands

Abstracts, accepted as oral presentations

MCC 2	P25	Clinical risk factors and plaque characteristics associated with new development of contralateral stenosis in patients undergoing carotid endarterectomy	S. Merckelbach, Utrecht, The Netherlands
MAC 2	P07	Neutrophil extracellular traps in abdominal aortic aneurysm	W. Eilenberg, Vienna, Austria
MAC 4	P15	Acute non-A non-B aortic dissection: definition, treatment and outcome	B. Rylski, Bad Krozingen, Germany
MAC 6	P33	Late rupture after endovascular aneurysm repair is still an unsolved problem: analysis of cause, treatment and outcome	V. Makaloski, Bern, Switzerland
PAD 5	P10	The long non-coding RNA MIAT regulates smooth muscle cell proliferation and macrophage activity in advanced atherosclerotic lesions	Y. Li, Stockholm, Sweden
PAD 5	P28	Transcription factor Runx2 is induced in vascular aging and may promote age-related arterial stiffness	I. N. Schellinger, Göttingen, Germany
MAC 2	P26	Segmental aortic stiffness is a mechanical driver of abdominal aortic aneurysm development	U. Raaz, Göttingen, Germany
VEN 3	P34	Specialist vascular input improves outcomes for patients with chronic venous leg ulcers	C. E. Davies, Cheltenham, UK
VEN 3	P35	100 ulcerated limbs treated with Ultrasound Guided Foam Sclerotherapy after four years – is recurrence related to recanalisation?	J. Warne, Cheltenham, UK
PAD 2	P05	Quality of time spent without symptoms of disease or toxicity of treatment (Q-TWiST) in diabetic patients with CLI and digital gangrene. Does primary TMA after revascularization offer superior outcome? A 12-year Experience	M. Elsherif, Galway, Ireland

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SPECIAL LECTURE

Dealing with adversity: a requirement for success in vascular surgery

Frank J. Veith · New York · USA

Thursday · December 1st, 2016 · 12.30 – 12.45

Frank J. Veith graduated from Cornell University Medical School before completing an internship at Columbia-Presbyterian Hospital in New York and residency training at Peter Bent Brigham Hospital and Harvard Medical School. In the 1970s and 80s he turned his attention toward vascular surgery with an emphasis on lower extremity revascularization procedures and the endovascular graft repair of abdominal aortic aneurysms. Frank Veith's group was the first to perform an endovascular aneurysm repair in the United States. Frank Veith held positions as Chief of Vascular Surgery and Chairman of Surgery at Montefiore Medical Center and Albert Einstein College of Medicine for many years. Moreover, he has held the William J. von Liebig Chair in Vascular Surgery and has been the Vice Chairman of the Department of Surgery. In 1995 he was elected President of the Society for Vascular Surgery, and is past Chairman of the American Board of Vascular Surgery. He is chief-editor of VASCULAR and is organizing the VEITH Symposium in New York since 40 years.



KEYNOTE LECTURE

Rationale of the CSTC and fruits of this international collaboration

Ale Algra · Utrecht · The Netherlands

Thursday · December 1st, 2016 · 13.45 – 14.50 · MCC 4

Ale Algra trained in physics at Utrecht University and obtained a BSc in 1975. He continued training at the Medical School of the Erasmus University Rotterdam (MD 1981). In the meantime he worked at the Thoraxcenter on the computer analysis of 24-hour ECG recordings, originally on technical aspects of ECG-analysis. Later he studied predictors for sudden cardiac death from 24-hour ECG, resulting in his doctorate thesis in 1990. In 1984-85 he trained at the Harvard School of Public Health for an MSc in Epidemiology. From 1990 on he worked at the University Medical Center Utrecht, half-time in the department of Neurology, and half-time at the Julius Center. In 1999-2000 he spent a sabbatical year as a Visiting Professor at the University of Western Ontario, London, Ontario, Canada, with the research group of Barnett and Hachinski. As of 2005 he works one day per week as Professor of Clinical Epidemiology in the department of Clinical Epidemiology of the Leiden University Medical Center. Since October 1st, 2015 he was appointed professor of Clinical Epidemiology of Cerebrovascular Diseases at University Utrecht.



SPECIAL LECTURE

Vascular surgery in East Timor or let's teach conventional vascular surgery to those who will truly profit

Everard Braganza · Olpe · Germany

Thursday · December 1st, 2016 · 17.05 – 17.20

Everard Vincent Braganza trained to become a doctor in the UK and, following posts in England, Scotland and Germany, was appointed Head of Vascular Surgery at St Martinus Hospital in Olpe. In this lecture Dr. Braganza will describe his "pro bono" surgical activities in the fledgling democracy of Timor-Leste, one of the poorest countries worldwide. Economic constraints make modern interventional vascular medicine impossible in such countries. Our "conventional" vascular know-how must be passed on before these skills become redundant.





KEYNOTE LECTURE

Biomechanics of aortic walls in health and disease: state of the art and challenges ahead

Gerhard Holzapfel · Graz · Austria

Thursday · December 1st, 2016 · 16.10 – 18.20 · MAC 1

Gerhard A. Holzapfel is Professor of Biomechanics and Head of the Institute of Biomechanics at Graz University of Technology (TUG), Austria, since 2007. He is also Adjunct Professor at the Norwegian University of Science and Technology (NTNU), Trondheim, Norway, and Visiting Professor at the University of Glasgow, Scotland. Until 2013 he was Professor of Biomechanics and Adjunct Professor at the Royal Institute of Technology (KTH) in Stockholm, Sweden for 10 years. After his PhD in Mechanical Engineering in Graz he received an Erwin-Schrödinger Scholarship for foreign countries to be a Visiting Scholar at Stanford University (1993-95). He achieved his Habilitation at TU Vienna in 1996 and received the START-Award in 1997, which is the most prestigious research award in Austria for young scientists. In the following years (1998-2004) he was the Head of the research group on "Computational Biomechanics" at TUG. Among several awards and honors in the past years he is listed in "The World's Most Influential Scientific Minds: 2014" (Thomas Reuters) and he received the Erwin Schrödinger Prize 2011 from the Austrian Academy of Sciences for his lifetime achievements. Professor Holzapfel's research includes experimental and computational biomechanics and mechanobiology with an emphasis on soft biological tissues, the cardiovascular system including blood vessels in health and disease, therapeutic interventions such as balloon angioplasty and stent implantation, polarized light and second-harmonic imaging microscopy, magnetic resonance imaging and medical image processing; nonlinear continuum mechanics, constitutive (multi-scale) modeling of solids at finite strains such as cross-linked actin networks, growth and remodeling, nonlinear finite element methods, fracture and material failure.



KEYNOTE LECTURE

The natural history of popliteal artery aneurysms (PAA). When should it be excluded and does anticoagulation play a role before or after surgery?

Martin Björck · Uppsala, Sweden

Friday · December 2nd, 2016 · 08.30 – 09.15 · PAD 1

Professor Martin Björck holds one of two chairs in vascular surgery in Sweden, Uppsala University (founded 1477). His research focuses on abdominal aortic aneurysm, intestinal ischaemia, carotid artery surgery and vascular trauma. Epidemiological, clinical and translational research methods are used. He is the tutor of 20 PhD students (of whom 13 finished their theses). Clinical focus on complex open surgery, in particular uncommon diseases (large CBT, vascular TOS, popliteal artery aneurysms and other pathologies, intestinal ischaemia, including MALS, etc).

Member of several Editorial Boards and Associate editor of Eur J Vasc Endovasc Surg. Research-grants from the Swedish Research Council, among others. Publications: 166 original articles, >100 book-chapters and review-articles, 223 hits in PubMed, Hirsch-index 35. Acting president of the ESVS from September 2016.



KEYNOTE LECTURE

Molecular and Genetic Underpinnings of Abdominal Aortic Aneurysms

Philip S. Tsao · Palo Alto · USA

Friday · December 2nd, 2016 · 08.30 – 10.00 · MAC 2

Philip Tsao is a Professor of Medicine (Cardiovascular Medicine) at Stanford University School of Medicine and is Associate Chief of Staff for Research and Development at the VA Palo Alto Health Care System. After receiving his Ph.D. in Cardiovascular Physiology from Thomas Jefferson University, he completed post-doctoral training in cellular and molecular biology at Stanford University and subsequently joined the faculty. Dr. Tsao's laboratory investigates the molecular underpinnings of vascular disease using a range of biochemical, molecular and physiological techniques. Specific research interests include (1) mechanisms regulating atherosclerotic and abdominal aortic aneurysm disease, (2) role of insulin resistance in cardiovascular disease, (3) genomic and transcriptomic discovery in human cardio-metabolic disease, and (4) biomarker identification (including genetic) for risk prediction.



SPECIAL LECTURE

Why the European qualification in vascular surgery (FEBVS) will be even more important in the future!

Armando Mansilha · Porto · Portugal

Friday · December 2nd, 2016 · 13.25 – 13.40

Professor Armando Mansilha is currently the Professor of Angiology and Vascular Surgery of the Faculty of Medicine of University of Porto. He is also Head of the Department of Angiology and Vascular Surgery at Hospital CUF in Porto and Head of Angiology and Vascular Surgery at Porto Clinica. He was graduated with the title of Fellow of the European Board of Vascular Surgery in 2002. He was awarded research grants from the International Society for Cardiovascular Surgery and the European Society for Vascular Surgery and participated in several clinical trials in the field of venous thromboembolism and peripheral arterial disease. Prof. Mansilha is a member of several societies including the European Society for Vascular Surgery, the International Union of Angiology and the European Venous Forum. He is currently the Secretary General of the Section and Board of Vascular Surgery of the European Union of Medical Specialists (UEMS) and the national delegate at the council of the International Union of Phlebology. He is also a reviewer for several international and local scientific journals and won several scientific prizes.

KEYNOTE LECTURES



KEYNOTE LECTURE

Transcriptomic insights into carotid artery plaque vulnerability

Ulf Hedin · Stockholm · Sweden

Friday · December 2nd, 2016 · 13.40 – 15.15 · PAD 5

Ulf Hedin did his PhD in vascular cell biology 1989, joined Prof. Jesper Swedenborg at Karolinska University Hospital for training in vascular surgery in 1991 and completed a fellowship with Prof. Alexander W Clowes, Seattle, WA, USA in 1995-1996. After his return to Karolinska, he started an independent research group and a prospective biobank of carotid endarterectomies (BiKE), an effort which has been recognized world-wide and today enrol centres in the US (Stanford), Canada (Ottawa) and Europe (Germany, Holland, UK) with recent collaborative publications in Nature, Nature Medicine and Nature Communications. The group is dedicated to translational research on cellular and molecular processes in peripheral vascular disease, with focus on mechanisms related to thromboembolic carotid disease. Hedin was appointed professor in 2003, holds the academic chair of vascular surgery since 2005 and is senior consultant in vascular surgery at the Karolinska University Hospital. He has been on the ESVS council, served on the Swedish Research Council, European Vascular Biology Association, the Research council of Swedish Heart-Lung Foundation, and he is a member of the International Surgical Group and the Research Council of the Lundbeck Foundation.



KEYNOTE LECTURE

Prevalence and natural history if type II endoleaks – or: do we still midjudge a potentially dangerous condition?

Michel Makaroun · Pittsburgh · USA

Friday · December 2nd, 2016 · 16.10 – 17.05 · MAC 7

Dr. Michel Makaroun received his medical degree from the American University of Beirut, where he also completed a surgical internship and residency programme, before coming to the University of Pittsburgh for a fellowship in vascular surgery. Dr. Makaroun is certified by the American Board of Surgery in surgery, with a certificate of special qualification in vascular surgery, and has a primary interest in the endovascular and surgical repair of abdominal aortic aneurysms. He has served as the president of the Society for Clinical Vascular Surgery, the Eastern Vascular Society, and the Association of Programme Directors in Vascular Surgery. Dr. Makaroun is extensively published, presenting his research at conferences around the world. He has been at the University of Pittsburgh School of Medicine and UPMC for over 30 years. Dr. Makaroun sees patients at the UPMC Shadyside and Monroeville offices.

KEYNOTE LECTURES



KEYNOTE LECTURE

The evolution of stent designs for chronic iliac vein obstructions

Stephen Black · London · UK

Saturday · December 3rd, 2016 · 09.00 – 09.55 · VEN 1

Mr. Stephen Black qualified from the University of the Witwatersrand Medical School in 1998 and moved to the UK in 2001. He obtained an MD in simulation based training from Imperial College London and completed his higher surgical training with placements at St Thomas', St George's and St Mary's Hospitals, London. In 2010 he was appointed as a consultant vascular surgeon and honorary senior lecturer at St George's Hospital and Medical School. At St George's Mr. Black led the establishment of a programme for deep venous intervention which grew to be one of the largest in Europe. In 2012 he was awarded the Fellowship of the European Board of Vascular Surgery and in 2014 he moved to Guy's and St Thomas' NHS Foundation Trust. Mr. Black is a programme director for the Charing Cross Venous Meeting and is on the organizing committee of the European Venous Forum Hand on Workshops. He is also on the organizing committee and is an examiner for the Fellowship of the European Board of Surgery.

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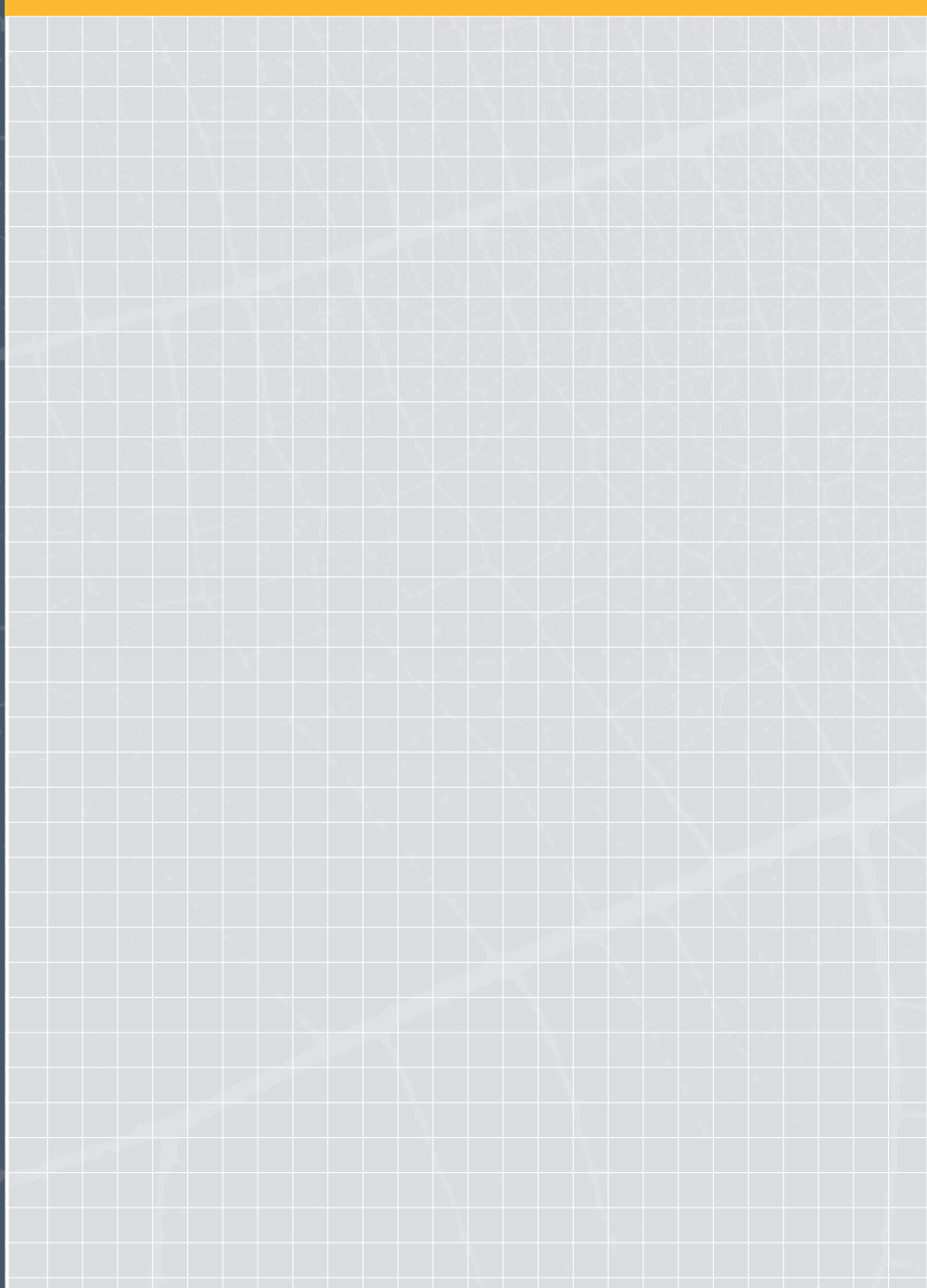
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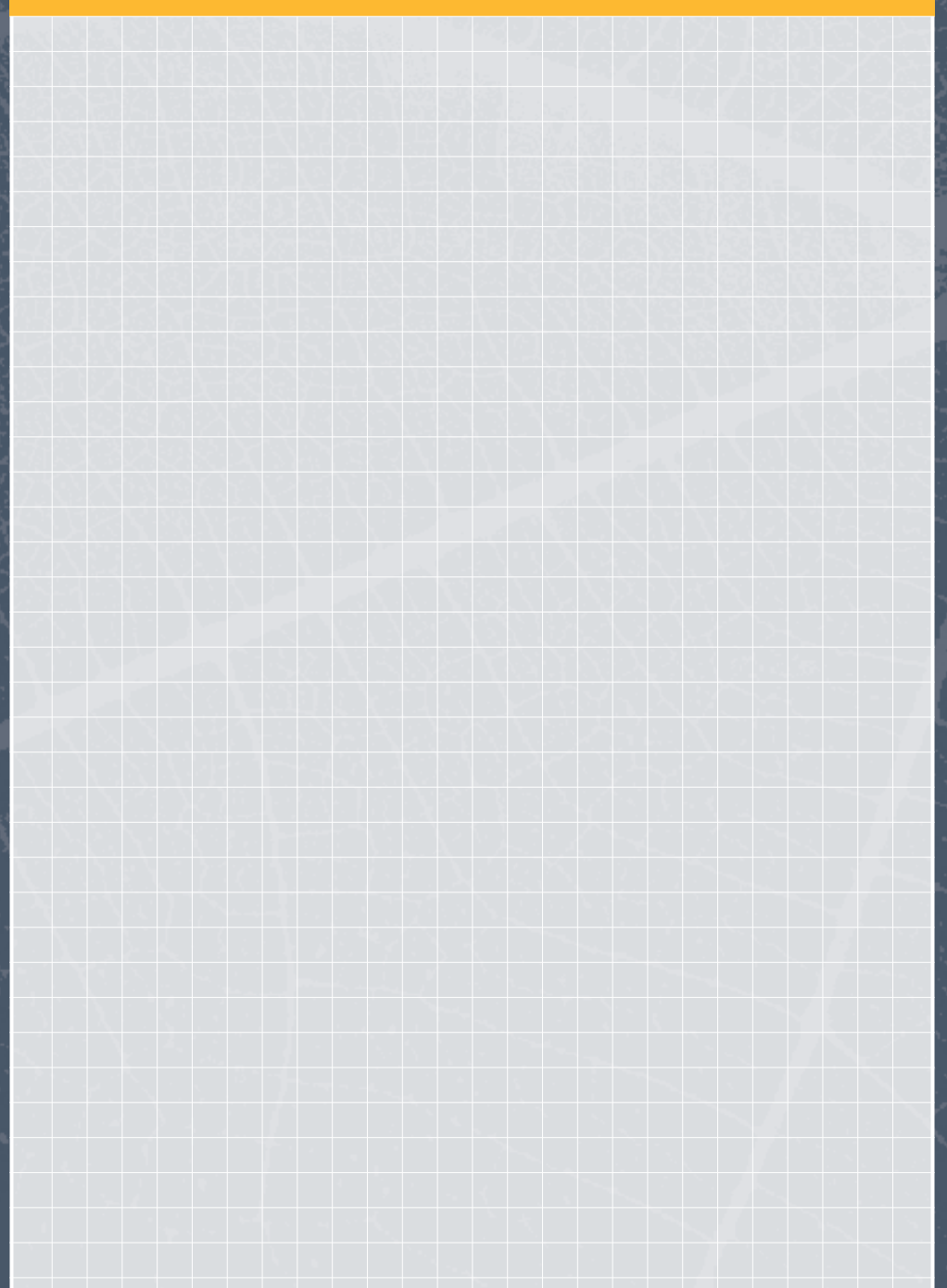
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