

MAC 3rd MUNICH AORTIC & CAROTID CONFERENCE

2013 *where doctors meet science*

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Program

VENUE

Klinikum rechts der Isar
Munich, Germany

November 29th – 30th, 2013

CHAIRMAN (Technische Universität München, TUM)

- Hans-Henning Eckstein

CO-CHAIRMEN (Technische Universität München, TUM)

- Rüdiger Lange
- Markus Schwaiger
- Holger Poppert
- Alma Zerneck
- Claus Zimmer
- Wolfgang Wall
- Michael Gee





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Dear colleagues,

After three successful symposia on translational research and controversial clinical issues in carotid and aortic diseases it is a great pleasure to invite you to the 3rd Munich Aortic & Carotid Conference (MAC) 2013. The positive response to the 2012 meeting encouraged us to focus again on aortic and carotid issues in a joint meeting.

The topics of the 3rd Munich Aortic & Carotid Conference (MAC) 2013 will again range widely from basic science and simulation to clinical issues and patient care. In detail, sessions will feature all biological aspects of plaque vulnerability of the carotid bifurcation, wall instability in aortic aneurysms, the current status of finite-element-simulation (FEM) and endovascular navigation, and of course an update on clinical trials in open aortic surgery and endovascular aneurysm repair (EVAR) with or without fenestrated and/or branched grafts, carotid surgery (CEA) and carotid stenting (CAS).

This year we will also focus on the positive and negative aspects of any form of centralization of vascular services (especially for aortic and cerebrovascular diseases). Last but not least, the theory and practice of the clinical and academic education of vascular specialists will be addressed in great detail.

The 3rd Munich Aortic & Carotid Conference (MAC) 2013 is a platform where clinical researchers from vascular/cardiovascular surgery,

WELCOME

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neurology, cardiology, angiology and anesthesiology can meet radiologists and imaging specialists, vascular biologists and basic researchers in a friendly and relaxed atmosphere. Thereby, MAC aims to connect the frequently quite diverging worlds of basic science, clinical research and clinical practice.

Do not miss the opportunity to share the latest insights into the world of academic vascular research, represented by our world-class national and international faculty! The 3rd Munich Aortic & Carotid Conference will provide you with late-breaking news and cutting-edge approaches in vascular medicine and will enable you to be part of the thrilling progress of improving the diagnosis and treatment of carotid and aortic diseases.

The 3rd Munich Aortic & Carotid Conference (MAC) 2013 is being held under the patronage of the German Vascular Society (DGG) and the VASCULAR INTERNATIONAL foundation.

We look forward to welcoming you in Munich.

Hans-Henning Eckstein

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Michael Gee
Technische Universität München
Mechanics and High Performance Computing Group

	Lecture Hall C	Lecture Hall B
Carotid issues	09:00–10:35 MAC 1: Plaque biology and hemodynamics at the carotid bifurcation	09:00–10:35 MAC 2: Periprocedural management of elective and emergent aortic diseases
	10:35–11:00 coffee break	
Aortic issues	11:00–12:30 MAC 3: Functional carotid plaque imaging – on the brink of routine use?	11:00–12:30 MAC 4: Endovascular solutions for aortic dissections and arch aneurysms – myth or reality?
	11:00–12:30 WORKSHOP – LOMBARD MEDICAL How to treat challenging AAA anatomy with EVAR on-label (limited number of participants / parallel to the main sessions)	
	12:35–13:20 LUNCHSESSION I – COOK MEDICAL Clinical practice in EVAR and the new Zenith Alpha™	12:35–13:20 LUNCHSESSION II – W. L. GORE Endovascular repair of abdominal and thoracic disease: theory, data and practical case discussions
Miscellaneous	13:20–13:45 lunch break	
	13:45–15:15 MAC 5: Arterio-embolic stroke beyond carotid stenosis	13:45–15:15 MAC 6: How durable are fenestrated and branched endografts for TAAA and secondary expanding aortic dissections?
	15:15–15:45 coffee break	
	Lecture Hall C	Lecture Hall B
	15:45–17:15 MAC 7: Evolution and durability of CEA, CAS and best medical treatment of extracranial carotid lesions	15:45–17:15 MAC 8: Advanced biomechanical and mechanobiological imaging, modeling and simulation for the aorta
15:45–17:15 WORKSHOP – APTUS ENDOSYSTEMS INC. Heli-FX as an effective preventive measure in EVAR and TEVAR (limited number of participants / parallel to the main sessions)		
Lecture Hall A		
17:20–18:20	MAC 9 / SPECIAL SESSION 1: Neurovascular networks and centralisation of vascular service - pointless actions or inevitable?	
20:00	Get-Together	

PROGRAM AT A GLANCE

Saturday, November 30th

MAC 3rd **MUNICH AORTIC & CAROTID CONFERENCE**
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Lecture Hall A		Lecture Hall B	
08:30–10:00	MAC 10: Novel ultrasound technologies to assess the vulnerability of carotid stenosis	08:30–10:00	MAC 11: Navigation and simulation in multimodal Hybrid ORs
10:00–10:25	coffee break		
Lecture Hall A			
10:25–11:40	MAC 12 / SPECIAL SESSION 2: Vascular research and education in the 21st millennium		
10:25–11:25	WORKSHOP – MAQUET Vertrieb & Service Deutschland GmbH The chimney technique in evolution a possible revolution in the modern endovascular era? (limited number of participants / parallel to the main session)		
Lecture Hall A		Lecture Hall B	
11:45–13:05	MAC 13: Current status and future perspectives of RCTs on extracranial carotid stenosis	11:45–13:05	MAC 14: Further insights into genetically determined aortic diseases
13:10–13:55	LUNCHSESSION III – VASCUTEK New approaches in the treatment of complex aortic pathologies	13:10–13:55	LUNCHSESSION IV – MEDTRONIC Aortic dissection (AOD) type B
13:55–14:15	lunch break		
Lecture Hall A			
14:15–16:15	MAC 15: New data from clinical trials, registries and screening projects on aortic diseases		
16:15	Farewell		

Carotid issues

Aortic issues

Miscellaneous

Lecture Hall C		Lecture Hall B	
09:00–10:35	<p>MAC 1 Plaque biology and hemodynamics at the carotid bifurcation <i>Chair: G. Pasterkamp, Utrecht, The Netherlands</i> <i>A. Zerneck, Munich, Germany</i></p>	09:00–10:35	<p>MAC 2 Periprocedural management of elective and emergent aortic diseases <i>Chair: R. Lange, Munich, Germany</i> <i>P. Tassani-Prell, Munich, Germany</i></p>
	<p>Keynote lecture Plaque biology at the carotid bifurcation <i>G. Pasterkamp, Utrecht, The Netherlands</i></p>		<p>Cardiac evaluation before elective open or endovascular aortic repair <i>H. Schunkert, Munich, Germany</i></p>
	<p>Biomechanical structural stresses of atherosclerotic plaques: insights from MRI <i>J. H. Gillard, Cambridge, UK</i></p>		<p>Is fast track in EVAR and open repair of AAA really safe? <i>E. S. Debus, Hamburg, Germany</i></p>
	<p>Carotid plaque vulnerability: a positive feedback between hemodynamic and biochemical mechanisms <i>I. Cicha, Erlangen, Germany</i></p>		<p>Delayed volume resuscitation during initial management of ruptured AAA <i>F. Dick, J. Schmidli, Berne, Switzerland</i></p>
	<p>Thrombus formation on atherosclerotic plaques and at atherosclerotic geometries <i>J. Heemskerk, Maastricht, The Netherlands</i></p>		<p>Cerebral protection strategies during surgical repair of acute aortic dissections type A <i>T. Carrel, Berne, Switzerland</i></p>
	<p>MicroRNAs in flow-dependent vascular remodelling <i>A. Schober, Munich, Germany</i></p>		<p>Remote neuromonitoring during open and endovascular TAAA repair <i>M. Jacobs, Maastricht, The Netherlands / Aachen, Germany</i></p>
	<p>Bio-banks with filter debris and carotid specimens: are they useful? <i>C. Liapis, Athens, Greece</i></p>		<p>The use of NIRS monitoring during TAAA repair to predict myelum ischemia <i>J. P. de Vries, Nieuwegein, The Netherlands</i></p>
	<p>Round table discussion</p>		
	10:35–11:00		coffee break

PRELIMINARY PROGRAM

Friday, November 29th

MAC 3rd **MUNICH AORTIC & CAROTID CONFERENCE**
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Lecture Hall C		Lecture Hall B	
11:00 – 12:30	MAC 3 Functional carotid plaque imaging – on the brink of routine use? <i>Chair: L. Bonati, Basel, Switzerland M. Schwaiger, Munich, Germany</i>	11:00 – 12:30	MAC 4 Endovascular solutions for aortic dissections and arch aneurysms – myth or reality? <i>Chair: U. Herold, Munich, Germany A. Khoynezhad, Los Angeles, USA</i>
	Accelerated atherosclerosis in the presence of DVT assessed by molecular MRI: mechanistic insights <i>R. Botnar, London, UK</i>		Keynote lecture The unmet need for a new classification of acute aortic dissections – proposals from IRAD and other researchers <i>C. Nienaber, Rostock, Germany</i>
	Multispectral Optoacoustic Tomography (MSOT) as a non-invasive tool is useful to detect vulnerable carotid plaques <i>V. Ntziachristos, Munich, Germany</i>		Hemodynamic and anatomical challenges of the ascending aorta for TEVAR <i>R. Hinchliffe, London, UK</i>
	MR imaging of the progression and potential reversibility of vulnerable carotid plaques <i>T. Saam, Munich, Germany</i>		Transapical access for TEVAR <i>T. Ghazy, Dresden, Germany</i>
	MRI of carotid atherosclerosis to identify TIA and stroke patients who are at risk of a recurrence <i>E. Kooi, Maastricht, The Netherlands</i>		When and how to use chimney grafts for arch aneurysms <i>G. Torsello, Munster, Germany</i>
	PET imaging of vascular endothelial growth factor in human carotid specimen <i>C. Zeebregts, Groningen, The Netherlands</i>		Total endovascular repair of arch aneurysms and alternative techniques to achieve false-lumen thrombosis in chronic aortic dissection <i>T. Kölbel, Hamburg, Germany</i>
	Round table discussion		Pathogenesis and management of retrograde type A aortic dissection after TEVAR <i>A. Khoynezhad, Los Angeles, USA</i>

	Lecture Hall C	Lecture Hall B
Carotid issues	<p>12:35–13:20</p> <p>LUNCHSESSION I COOK MEDICAL Clinical practice in EVAR and the new Zenith Alpha™</p>	<p>12:35–13:20</p> <p>LUNCHSESSION II W. L. GORE Endovascular repair of abdominal and thoracic disease: theory, data and practical case discussions <i>Chair: P. Cao, Rome, Italy</i></p>
Aortic issues	<p>Aortic aneurysm is a progressive disease <i>E. Verhoeven, Nuremberg, Germany</i></p>	<p>Moving beyond on-label registries The GORE®GREAT® Registry <i>P. Cao, Rome, Italy</i></p>
Miscellaneous	<p>Design and philosophy of the new Zenith Alpha™ thoracic <i>C. Christiansen, Cook Medical</i></p>	<p>Uncomplicated Type B dissection: are there predictors for later complications? <i>A. Zimmermann, Munich, Germany</i></p>
	<p>First clinical experience with Zenith Alpha™ <i>G. Torsello, Munster, Germany</i></p>	<p>Endovascular treatment of Type B dissection: What would you do? <i>O. Teebken, Hannover, Germany</i></p>
	<p>Case discussion & conclusion <i>G. Torsello, Munster, Germany</i> <i>E. Verhoeven, Nuremberg, Germany</i></p>	
	<p>13:20–13:45</p> <p>lunch break</p>	

Lecture Hall C		Lecture Hall B	
13:45– 15:15	<p>MAC 5 Arterio-embolic stroke beyond carotid stenosis <i>Chair: M. Brown, London, UK A. Dörfler, Erlangen, Germany</i></p>	13:45– 15:15	<p>MAC 6 How durable are fenestrated and branched endografts for TAAA and secondary expanding aortic dissections? <i>Chair: C. Setacci, Siena, Italy E. Verhoeven, Nuremberg, Germany</i></p>
	<p>Which role plays the aortic arch and the vertebral arteries as sources of cerebral ischemia? <i>P. Ringleb, Heidelberg, Germany</i></p>		<p>Keynote lecture The evolution of branched and fenestrated endografts and their translation into real practice <i>J.-P. Becquemin, Paris, France</i></p>
	<p>Stroke risk after a first posterior circulation ischemia and its relationship to the site of vertebrobasilar stenosis <i>L. Marquardt, Erlangen, Germany</i></p>		<p>Parallel endografts for juxta-renal aneurysms: geometrical considerations on outcomes <i>G. Mestres, Barcelona, Spain</i></p>
	<p>Symptomatic vertebral artery disease: endovascular therapy or best medical treatment alone – the VIST study <i>H. Markus, London, UK</i></p>		<p>Relevant clinical and intraoperative differences between degenerative and post dissection aortic aneurysms and their impact on decision-making <i>M. Jacobs, Maastricht, The Netherlands/ Aachen, Germany</i></p>
	<p>Surgical repair of atherosclerotic lesions of the vertebral arteries <i>A. Assadian, Vienna, Austria</i></p>		<p>Rationale, practice and durability of staged endovascular repair of complex TAAA <i>P. Kasprzak, Regensburg, Germany</i></p>
	<p>Aortic plaques – Source of stroke or innocent bystander? <i>A. Harloff, Freiburg, Germany</i></p>		<p>How to minimise complications in complex fenestrated/ branched stentgraft repair of complex aortic aneurysms <i>M. Davis, K. Ivancev, London, UK</i></p>
	<p>Arterial spin labeling (ASL) may be effective in determining extra-cranial embolic sources <i>V. Toth, Munich, Germany</i></p>		<p>Late results of 150 iliac side branch devices for aorto-iliac aneurysm – is it worthwhile to preserve the pelvic circulation? <i>M. Austermann, G. Torsello, Munster, Germany</i></p>
			<p>Invited Commentary <i>H. Schelzig, Dusseldorf, Germany</i></p>

PRELIMINARY PROGRAM

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Carotid issues

Aortic issues

Miscellaneous

	Lecture Hall C	Lecture Hall B
	15:15–15:45 coffee break	
	15:45–17:15 MAC 7 Evolution and durability of CEA, CAS and best medical treatment of extracranial carotid lesions <i>Chair: J.-P. Becquemin, Paris, France C. Zimmer, Munich, Germany</i>	15:45–17:15 MAC 8 Advanced biomechanical and mechanobiological imaging, modeling and simulation for the aorta <i>Chair: M. Gee, Munich, Germany W. Wall, Munich, Germany</i>
	Variations in clinical practice in carotid surgery in Europe – data from VASCUNET <i>M. Venermo, Helsinki, Finland</i>	Which kind of diagnostic tools are needed to improve our indications for open or endovascular repair of AAA? A clinician's perspective <i>J. Schmidli, Berne, Switzerland</i>
	Carotid surgery in Germany – trends and variations between 2003 and 2011 <i>L. Deutsch, H.-H. Eckstein, Munich, Germany</i>	Three-dimensional simulation of short-term pressure regulation in the systemic circulation <i>A. Figueroa, London, UK</i>
	Clinical relevance and treatment options for restenoses following CEA or CAS <i>C. Setacci, Siena, Italy</i>	The three-dimensional growth of AAA. From CT-A follow-up to Finite Element Simulations <i>T. C. Gasser, Stockholm, Sweden</i>
	How patient selection, operator experiences and new technologies improved CAS in the last decade <i>S. MacDonald, Newcastle upon Tyne, UK</i>	Geometrical factors influencing the hemodynamic behaviour of the AAA stent grafts – essential for the clinician <i>E. Georgarakos, Alexandroupolis, Greece</i>
	Endovascular treatment of carotid-related strokes – the new standard? <i>S. Prothmann, Munich, Germany</i>	Medical Postprocessor for stent graft comparison <i>S. v. Sachsen, Leipzig, Germany</i>
	Most asymptomatic patients with carotid stenosis are best treated medically and not by CEA or CAS <i>F. J. Veith, New York, USA</i>	Invited commentary: <i>C. Reeps, Munich, Germany</i> Round table discussion

PRELIMINARY PROGRAM

Friday, November 29th

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Lecture Hall C		Lecture Hall B	
	Keynote lecture What does it need for successful strategy to battle carotid-related strokes? <i>A. R. Naylor, Leicester, UK</i>		
Lecture Hall A			
17:20– 18:20	MAC 9 / SPECIAL SESSION 1: Neurovascular networks and centralisation of vascular services – pointless actions or inevitable? <i>Chair: C. Liapis, Athens, Greece</i> <i>H. Poppert, Munich, Germany</i>		
	Vascular provision in Germany – a quick overview <i>H.-H. Eckstein, Munich, Germany</i>		
	Centralisation of vascular services works – at least in Denmark <i>T. V. Schroeder, Copenhagen, Denmark</i>		
	Is centralisation of vascular care really beneficial – experiences from the UK <i>P. Lamont, Bristol, UK</i>		
	Saving time to treatment by starting thrombolysis before hospital arrival – The Stroke Emergency Mobile concept <i>H. Audebert, Berlin, Germany</i>		
	Neurovascular networks are necessary to fight stroke effectively – and initiative of the German Stroke Society <i>P. Ringleb, Heidelberg, Germany</i>		
	Round table discussion		
20:00	GET-TOGETHER		

Carotid issues

Aortic issues

Miscellaneous

Lecture Hall A		Lecture Hall B	
08:30 – 10:00	MAC 10 Novel ultrasound technologies to assess the vulnerability of carotid stenosis <i>Chair: E. Bartels, Munich, Germany H. Poppert, Munich, Germany</i>	08:30 – 10:00	MAC 11 Navigation and simulation in multimodal Hybrid ORs <i>Chair: N. J. Cheshire, London, UK A. Zimmermann, Munich, Germany</i>
	Contrast-enhanced ultrasound in vasculitis <i>K. Stock, Munich, Germany</i>		The future of robotics in endovascular surgery <i>N. J. Cheshire, London, UK</i>
	Contrast-enhanced ultrasound and micro-bubbles – an update on their role in carotid plaque analysis <i>A. H. Davies, London, UK</i>		How endovascular navigation facilitates endovascular procedures <i>J. Bismuth, Houston, USA</i>
	Emboli-detection – an update <i>H. Markus, London, UK</i>		Hybrid operation rooms: only for advanced endovascular procedures? <i>E. Verhoeven, Nuremberg, Germany</i>
	The role of Transcranial Doppler Sonography (TCD) in asymptomatic patients and acute stroke <i>G. Tsvigoulis, Athens, Greece</i>		Current research in Computer Assisted Stenting <i>S. Demirci, Munich, Germany</i>
	Value of neurosonology in carotid occlusion <i>F. Schlachetzki, Regensburg, Germany</i>		New imaging techniques to guide cardiovascular intervention <i>R. Clough, London, UK</i>
10:00 – 10:25	coffee break		
Lecture Hall A			
10:25 – 11:40	MAC 12 / SPECIAL SESSION 2: Vascular research and education in the 21st millenium <i>Chair: I. Flessenkämper, Berlin, Germany</i>		
	Keynote lecture How cardiovascular medicine benefits from large-scale randomized evidence (with special emphasis on carotid stenosis) <i>R. Peto, Oxford, UK</i>		

Lecture Hall A

10:25–11:40	How to assess technical and non-technical skills of surgical trainees in the daily practice of an (academic) vascular surgeon <i>J. D. Beard, Sheffield, UK</i>
	Why it is important and reasonable to get certified as a fellow of the Union of European Medical Specialists (UEMS) <i>A. Mansilha, Porto, Portugal</i>
	The scientific (vascular) physician or why the medical community needs doctors with proper skills and academic competencies <i>M. Schwaiger, Munich, Germany</i>

Lecture Hall A

11:45–13:05	MAC 13 Current status and future perspectives of RCTs on extracranial carotid stenosis <i>Chair: R. Peto, Oxford, UK F. J. Veith, New York, USA</i>
	Rationale and progress with ECST-2 and the latest results from ICSS <i>M. Brown, London, UK</i>
	ACST 2 – the first results after more than 1000 patients <i>A. Halliday, Oxford, UK</i>
	SPACE 2 – the revised protocol and further strategies to improve recruitment rates <i>H.-H. Eckstein, Munich, Germany</i>
	The benefit from statin therapy might be underestimated in previous analyses – implications for the current RCTs <i>R. Bulbulia, Oxford, UK</i>

Lecture Hall B

11:45–13:05	MAC 14 Further insights into genetically determined aortic diseases <i>Chair: J. Bismuth, Houston, USA P. Ewert, Munich, Germany</i>
	Tuberculosis sclerosis and Loeys-Dietz-Syndrom – rare causes for aortic aneurysms in toddlers and children <i>B. Reuttersberg, Munich, Germany</i>
	Keynote lecture Thoracic aortic aneurysm: from gene to therapy <i>B. Loeys, Antwerpen, Belgium</i>
	Taxonomy of genetically related aortic diseases <i>Y. von Kodolitsch, Hamburg, Germany</i>
	NK-Pathway Activation in AAA <i>I. Hinterseher, Berlin, Germany</i>

Carotid issues

Aortic issues

Miscellaneous

Lecture Hall A		Lecture Hall B	
	<p>Substudies within the current carotid trials are crucial to improve patient selection in the future <i>L. Bonati, Basel, Switzerland</i></p> <p>The truth about the high risk patient, or which patients should be part of a carotid RCT <i>G. J. de Borst, Utrecht, The Netherlands</i></p> <p>CABACS: Staged or combined carotid and coronary surgery <i>C. Weimar, Essen, Germany</i></p> <p>Round table discussion</p>		<p>Impaired repair rather than inflammation or protease activity determines growth (and rupture?) of larger AAA <i>J. Lindeman, Leiden, The Netherlands</i></p> <p>Invited commentary: <i>J. Pelisek, Munich, Germany</i></p>
13:10–13:55	<p>LUNCHSESSION III VASCUTEK</p> <p>New approaches in the treatment of complex aortic pathologies</p> <p>The Frozen Elephant Trunk Procedure in challenging pathologies <i>C. Hagl, Munich, Germany</i></p> <p>The Fenestrated Anaconda™ Endoprosthesis in various cases <i>A. Assadian, Vienna, Austria</i></p> <p>FEVAR in complex juxtarenal Pathologies <i>S. Langer, Witten, Germany</i></p>	13:10–13:55	<p>LUNCHSESSION IV MEDTRONIC</p> <p>Aortic dissection (AOD) type B</p> <p>Clinical presentation and modern treatment of acute AOD type B <i>C. Reeps, Munich, Germany</i></p> <p>Technical tricks in the endovascular treatment of AOD type B <i>K.-H. Orend, Ulm, Germany</i></p> <p>Long-term results from INSTEAD - early intervention might be the right way to treat acute AOD type B <i>C. Nienaber, Rostock, Germany</i></p>
13:55–14:15	lunch break		

Lecture Hall A

14:15–
16:15

MAC 15

New data from clinical trials, registries and screening projects on aortic diseases

*Chair: J. D. Beard, Sheffield, UK
H. Schelzig, Dusseldorf, Germany*

Keynote lecture

The EVAR and OVER trials are good but reach the wrong conclusions: EVAR is the best treatment for fit and unfit AAA patients with suitable anatomy and large AAAs

F. J. Veith, New York, USA

Modifying AAA screening to make it more efficient

J. Earnshaw, Gloucestershire, UK

First results from the IMPROVE Trial – a RCT for ruptured AAA

J. T. Powell, London, UK

New developments to fixate aortic endografts in AAAs

1. Are endobags filled with polymer the solution to exclude AAA safely?

D. Böckler, Heidelberg, Germany

2. Do polymer-filled proximal rings improve aortic neck sealing?

M. H. Tenholt, Mannheim, Germany

3. Is endostapling the answer? Mid-term results from a global registry on endostapling for imminent, primary or secondary type I endoleaks after EVAR

J. P. de Vries, Nieuwegein, The Netherlands

What can we learn from the multicenter European Registry of TEVAR complications?

M. Czerny, Zurich, Switzerland

Aortic remodeling after TEVAR of complicated aortic dissections type B (STABLE trial)

C. Nienaber, Rostock, Germany

TEVAR for traumatic aortic transection: Results of RESCUE trial

A. Khojenezhad, Los Angeles, USA

16:15

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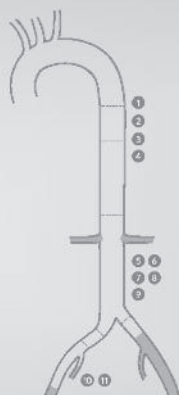
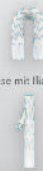
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LOCAL COORDINATING COMMITTEE

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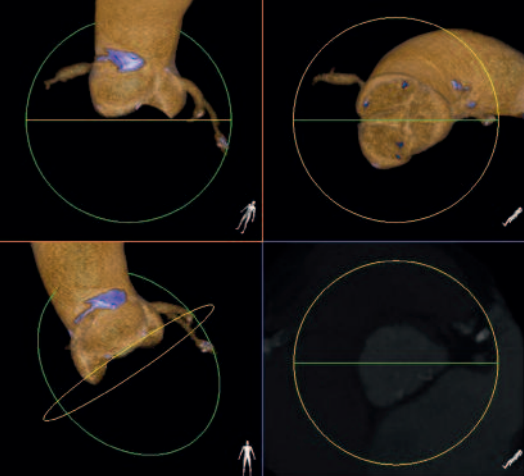
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Department for Surgery | University of Groningen | Groningen | The Netherlands



Gerard Pasterkamp
Utrecht | The Netherlands

■ **KEYNOTE LECTURE**

Plaque biology at the carotid bifurcation

November 29th, 2013 | 09:00-09:20

Gerard Pasterkamp is a Professor for Experimental Cardiology at the Department of Cardiology, University Medical Center in Utrecht/The Netherlands. His major research interests are vascular remodeling in de novo atherosclerosis and following angioplasty, plaque vulnerability in atherosclerotic disease and biomarkers in cardiovascular disease. Since 2002 he has build one of the largest plaque biobanks worldwide entitled "Athero-Express". This bank has unique properties in that it allows the search for biomarkers/ drug targets in plaques that will be related with follow up. All patients are operated for endarterectomy procedures and undergo follow up after the surgery. Plaque expression profiles are being coupled with hard endpoints that are being reached during follow up. At present >2700 patients have been included. It is very likely that current proteomics and genomics screenings will lead to identification of local plaque markers related with systemic adverse outcome. According to PubMed Prof. Pasterkamp has authored and co-authored >250 scientific publications.



Christoph Nienaber
Rostock | Germany

■ **KEYNOTE LECTURE**

The unmet need for a new classification of acute aortic dissections – proposals from IRAD and other researchers

November 29th, 2013 | 11:00-11:20

Christoph Nienaber is the head of the Department of Cardiology and the Speaker of the Interdisciplinary Heart Center at the University of Rostock/ Germany. He studied in Dusseldorf and Munster, Germany and received his board certification as a specialist for Internal Medicine and Cardiology in 1991 in Hamburg, Germany. In 1997 and in 2000 he was appointed as a Professor for Cardiology in Hamburg and Rostock respectively. His scientific interests are coronary and aortic catheter-based interventions and the evaluation of novel functional cardiac imaging tools. He is a co-founder of the International Registry of Aortic Dissections (IRAD) and has initiated the INSTEAD study, which was the first randomized trial to compare TEVAR and conservative treatment in patients with an acute or subacute type B aortic dissection.

■ KEYNOTE LECTURE

The evolution of branched and fenestrated endografts and their translation into real practice

November 29th, 2013 | 13:45-14:05

Jean-Pierre Becquemin is a Professor of Vascular Surgery at the University of Paris XII and Head of the Cardiac and Vascular Medical-Surgical Division at the Henri Mondor Hospital in Paris, France. His major clinical research interests are endografting of the aorta, carotid stenting, laser therapy of varicose veins and robot-assisted laparoscopic surgery. He has initiated and supported several randomized trials like ACE (OR vs EVAR in AAA), EVA-3S, CASPAR etc.). Jean-Pierre Becquemin has authored and co-authored more than 250 publications published in international peer-reviewed journals. He has also worked as an associate editor of the European Journal of Vascular and Endovascular Surgery (EJVES) for many years and is a founding member of the International Society of Vascular Surgery (ISVS). Since 1992, he has served as Chairman of the annual Controversies and Updates in Vascular Surgery (CACVS) meeting, which gathers more than 1500 attendees every year in Paris.



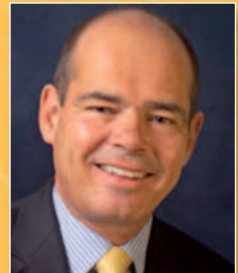
Jean-Pierre Becquemin
Paris | France

■ KEYNOTE LECTURE

What does it need for a successful strategy to battle carotid-related strokes?

November 29th, 2013 | 17:00-17:15

Ross Naylor underwent his surgical training in Aberdeen, Edinburgh and Leicester. He was appointed as a consultant vascular surgeon in 1993, a reader in 2001 and Professor of Vascular Surgery in 2003. Research interests include monitoring and quality control during carotid surgery, antiplatelet and anti-thrombotic regimens for preventing post-operative thrombosis and mediators of acute change in carotid plaque morphology. Ross Naylor has served on the Editorial Boards of the British Journal of Surgery (BJS), the Journal of Vascular Surgery (JVS) and the European Journal of Vascular and Endovascular Surgery (EJVES). He was the president of the Vascular Society of Great Britain and Ireland (VSGBI) in 2012. Ross Naylor is a very active clinician with over 1000 carotid reconstructions. He has (co)-authored 290 publications/book chapters on cerebral vascular disease and has been a UK leader in the campaign to introduce rapid access carotid surgery for the prevention of stroke in patients suffering a TIA. In addition to his full-time NHS commitments, Professor Naylor maintains an active research profile. He has (co)-supervised 20 MD, PhD, post-doctoral students and is the (co)-author of 400 publications/book chapters.



A. Ross Naylor
Leicester | UK



Sir Richard Peto
Oxford | UK

■ KEYNOTE LECTURE

How cardiovascular medicine benefits from large-scale randomized evidence (with special emphasis on carotid stenosis)

November 30th, 2013 | 10:25-10:50

Sir Richard Peto is a Professor of Medical Statistics & Epidemiology at the University of Oxford. In 1975, he set up the Clinical Trial Service Unit (CTSU) in Oxford of which he and Rory Collins are now co-directors. Professor Peto's work has included studies of the causes of cancer in general, and of the effects of smoking in particular, and the establishment of large-scale randomised trials of the treatment of heart disease, stroke, cancer and a variety of other diseases. Professor Peto is statistician for Heart Protection Study, which is the largest trial in the world of cholesterol-lowering therapy and antioxidant vitamin supplementation in people at increased risk of heart disease. He has been instrumental in introducing combined 'meta-analyses' of results from related trials that achieve uniquely reliable assessment of treatment effects. He was elected a Fellow of the Royal Society of London in 1989, and was knighted (for services to epidemiology and to cancer prevention) in 1999. Professor Peto is statistician for ACST 1 and ACST 2.



Bart Loeys
Antwerpen | Belgium

■ KEYNOTE LECTURE

Thoracic aortic aneurysms: from gene to therapy

November 30th, 2013 | 11:50-12:15

Bart Loeys was trained in pediatrics at the University Hospital Ghent/Belgium until 2002, followed by a postdoctoral fellowship in the laboratory of H. Dietz at the McKusick-Nathans Institute of Genetic Medicine, Johns Hopkins University, Baltimore. His research was crowned by the first description of a syndrome of altered cardiovascular, craniofacial, neurocognitive and skeletal development caused by mutations in TGFBR1 or TGFBR2, the so-called Loeys-Dietz-Syndrome (Nature Genetics, 2005; 37: 275-281 and N Engl J Med 2006; 355:788-798). He contributed significantly to identify perturbed extracellular matrix signaling cascade interactions and deficient intracellular components of the smooth muscle contractile apparatus as the key mechanisms in the pathogenesis of thoracic aortic aneurysms and dissections. The involvement of the transforming growth factor- β signaling pathway has opened unexpected new avenues, namely a better understanding of the pathogenesis of thoracic aortic aneurysms and dissections, a step-wise gene-tailored medical or surgical management of thoracic aortic aneurysms and dissections and finally new treatment options (Circ Research 2013; 113: 327-340). Bart Loeys has continued his research as a Professor at the University of Ghent and at the Center for Medical Genetics at the University of Antwerp and the Antwerp University Hospital in Belgium.

KEYNOTE LECTURES

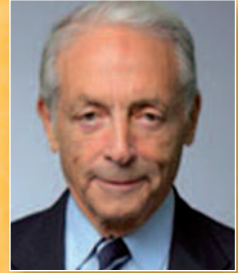
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■ KEYNOTE LECTURE

The EVAR and OVER trials are good but reach the wrong conclusions: EVAR is the best treatment for fit and unfit AAA patients with suitable anatomy and large AAAs

November 30th, 2013 | 14:15-14:35

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 for 40 years.



Frank J. Veith
New York | USA

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■ CERTIFICATION

An application has been made to the Bavarian Medical Association and the EACCME® (European Accreditation Council for Continuing Medical Education – Institution of the UEMS) for CME accreditation of this event.

■ LANGUAGE

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



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■ REGISTRATION FEE

Registration	until Oct. 31 st	from Nov. 1 st
Physicians	EUR 250.00	EUR 300.00
Fellows, Nurses and MTs	EUR 100.00	EUR 100.00
Students	free of charge	
Get-Together Friday evening	EUR 50.00	EUR 50.00

Food and Beverages are included in the registration fee.

For registration please use the website www.mac-conference.com or the attached registration form.

■ GET-TOGETHER

Friday, November 29th, 2013 – starting at 20:00

Bavarian National Museum

Prinzregentenstrasse 3 | 80538 Munich | Germany



Any changes to the program will be updated on our website on a regular basis. For detailed information visit

www.mac-conference.com

LUNCHSESSION I – COOK MEDICAL

Friday, November 29th, 2013 | 12:35 – 13:20

Clinical practice in EVAR and the new Zenith Alpha™

Topics:

- Aortic aneurysm is a progressive disease *E. Verhoeven, Nuernberg, Germany*
- Design and philosophy of the new Zenith Alpha™ thoracic *C. Christiansen, Cook Medical*
- First clinical experience with Zenith Alpha™ *G. Torsello, Munster, Germany*
- Case discussion & conclusion *G. Torsello, Munster, Germany; E. Verhoeven, Nuernberg, Germany*



LUNCHSESSION II – W. L. GORE & ASSOCIATES GMBH

Friday, November 29th, 2013 | 12:35 – 13:20

Endovascular repair of abdominal and thoracic disease: theory, data and practical case discussions

Chair: *P. Cao, Rome, Italy*

Topics:

- Moving beyond on-label registries – the GORE® GREAT® Registry *P. Cao, Rome, Italy*
- Uncomplicated Type B dissection: are there predictors for later complications? *A. Zimmermann, Munich, Germany*
- Endovascular treatment of Type B dissection: What would you do? *O. Teebken, Hannover, Germany*



LUNCHSESSION III – VASCUTEK DEUTSCHLAND GMBH

Saturday, November 30th, 2013 | 13:10 – 13:55

New approaches in the treatment of complex aortic pathologies

Topics:

- The Frozen Elephant Trunk Procedure in challenging pathologies *C. Hagl, Munich, Germany*
- The Fenestrated Anaconda™ Endoprosthesis in various cases *A. Assadian, Vienna, Austria*
- FEVAR in complex juxtarenal Pathologies *S. Langer, Witten, Germany*



LUNCHSESSION IV – MEDTRONIC GMBH

Saturday, November 30th, 2013 | 13:10 – 13:55

Aortic dissection (AOD) type B

Topics:

- Clinical presentation and modern treatment of acute AOD type B *C. Reeps, Munich, Germany*
- Technical tricks in the endovascular treatment of AOD type B *K.-H. Orend, Ulm, Germany*
- Long-term results from INSTEAD – early intervention might be the right way to treat acute AOD type B *C. Nienaber, Rostock, Germany*



WORKSHOP – LOMBARD MEDICAL LTD.

Friday, November 29th, 2013 | 11:00 – 12:30



How to treat challenging AAA anatomy with EVAR on-label

Topics:

- Addressing the highly angulated neck and iliac anatomy with EVAR *J. Hardman, Bath, UK*
- The benefits and advantages of aorfix AAA stent graft in complex anatomy
R. Kellersmann, Würzburg, Germany
- Simulator demonstration – Aorfix

WORKSHOP – APTUS ENDOSYSTEMS INC.

Friday, November 29th, 2013 | 15:45 – 17:15



Heli-FX as a an effective preventive measure in EVAR and TEVAR

Speaker: J. P. de Vries, Nieuwegein, The Netherlands

Topics:

- Morphological changes of the sealing zones after EVAR and TEVAR
- Difficult anatomies / sealing zones, off-label use, sac growth in the mid-/longterm
- Heli-FX as a preventive measure to reduce wall dilation and resulting problems
- Heli-FX in repair cases
- ANCHOR study update
- Hands on training

WORKSHOP – MAQUET VERTRIEB & SERVICE DEUTSCHLAND GMBH

Saturday, November 30th, 2013 | 10:25 – 11:25



The chimney technique in evolution a possible revolution in the modern endovascular era?

Chair: K. Donas, Munster, Germany; G. Torsello, Munster, Germany

Topics:

- The procedure "step by step" (video) *K. Donas, Munster, Germany*
- Discussion
- The Munster-experience with more than 100 chimney cases *T. Bisdas, Munster, Germany*
- Lessons learned: Tips and tricks to optimize the outcome *K. Donas, Munster, Germany*
- Discussion



DIRECTIONS

We highly recommend to use public transportation as the Klinikum rechts der Isar offers very limited parking possibilities.

■ FROM MUNICH AIRPORT

Please follow the signs "S-Bahn" at the main terminal of the airport to the train station. We recommend using the line S8 towards Munich (München) to the station "Ostbahnhof". Then change to the underground line U5 or U4 (U-Bahn) in direction to "Max-Weber-Platz" and get off at the station "Max-Weber-Platz". Follow the signs "Einsteinstrasse" and "Einsteinstrasse/Klinikum rechts der Isar".

■ FROM CENTRAL TRAIN STATION (HAUPTBAHNHOF)

Follow the signs to the underground station and take line U4/Arbellapark or U5/Neuperlach. Get off the train at "Max-Weber-Platz" which is only four stations from the central train station. Follow the signs "Einsteinstrasse" and "Einsteinstrasse/Klinikum rechts der Isar".