

REQUIREMENTS

Semmelweis University, Faculty of General Medicine – single, long-cycle medical training programme

Name of the host institution (and any contributing institutions):

Department of Vascular and Endovascular Surgery

Name of the subject: Semmelweis International Vascular Symposium

in English: Semmelweis International Vascular Symposium

in German: Semmelweis International Vascular Symposium

Credit value: 2 credits

Semester: 2022/2023/2. (spring)

(as defined in the curriculum)

Total number of classes per week: 20	lectures: 20	practical lessons: 0	seminars: 0
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Type of subject: compulsory optional elective

(PLEASE UNDERLINE AS APPLICABLE)

Academic year: 2022/2023

Language of instruction, for optional or elective subjects: English

Course code:

(In the case of a new subject, this cell is filled in by the Dean's Office, following approval)

Course coordinator: Prof. Péter Sótonyi M.D.

Place of work, phone number: Department of Vascular and Endovascular Surgery, 20/825-8046

Position: Head of Department

Date and number of habilitation: 06/2014 (2014)

Objectives of the course and its place in the medical curriculum:

Explosive changes have taken place in the field of vascular medicine in the last ten years. Completely new diagnostic and therapeutic procedures have appeared, and minimally invasive endovascular technologies are gaining ground. Education must also keep up with the rapidly changing daily clinical practice in order to maintain the competitiveness of the university and the vascular medicine profession. In contrast to the previous practice (where the knowledge material related to vascular diseases was scattered in the curriculum of the traditional major subjects – surgery, internal medicine, radiology –) we must represent a new, unified approach based on an interdisciplinary approach. Angiology, interventional radiology and vascular surgery should complement each other to form the three pillars of vascular medicine. It is of great importance and decisive for the future of the vascular medicine profession that vascular medicine can be independently represented with appropriate emphasis in graduate education. In recent years, the transformation has begun, but we still need to take many steps to effectively teach vascular medicine. Based on domestic public health indicators (e.g.: the rate of major amputations for non-traumatic reasons is 3.5 times the Western European average), it is of utmost importance that the training at our university provides an appropriate level of knowledge, thereby improving the rate of early detection and effective treatment of vascular diseases. In a sector with serious human resources problems, an equally important goal is that as many students as possible choose some form of vascular medicine as their future profession.

Place of instruction (address of lecture hall or seminar room etc.):			
Semmelweis University - Basic Medical Science Center (1094 Budapest, Tűzoltó utca 37-47.)			
Competencies acquired through the completion of the course:			
- acquiring knowledge about new international achievements, guidelines, methods and tools in vascular medicine - information on the way of presenting vascular medical and scientific research work in general			
Prerequisites for course registration and completion:			
No such prerequisites.			
Conditions for concurrent course registration and permission thereof in the case of a multi-semester subject:			
Not relevant.			
Student headcount conditions for starting the course (minimum, maximum) and method of student selection:			
No such prerequisites.			
Detailed course description: <i>(Theoretical and practical instruction must be broken down into lessons (weeks), numbered separately. Please provide the names of lecturers in both types of lessons, indicating guest lecturers. This information is not to be attached separately. CVs of guest lecturers, however, must be attached.)</i>			
05.19. Friday	1. Hall		minutes
08.00-09.30	Abdominal Aortic Aneurysm Section		
	Frank J. Veith	Evolution of EVAR for Ruptured AAAs: From Oddity to Treatment of Choice	10
	Szeberin Zoltán	EVAR in Hungary, 10 years registry results	10
	R. Clement Darling III.	Successful management of ruptured abdominal aortic aneurysm	10
	Grzegorz Oszkinis	EVAR in severely angulated neck - An option with good outcome	10
	Manju Kalra	Failed EVAR: Conversion to Open Surgery - When and How?	10
	Ronald L. Dalman	Does Covid-19 promote AAA disease?	10
	Peter Gloviczki	Factors Affecting Outcome After Open And Endovascular Repair Of Abdominal Aortic Aneurysms: Three Decades of Mayo Clinic Experience	10
	Tanila Macedo	The Best EVAR Imaging Surveillance Protocol in 2023	10
10.00-11.00	Aortic Arch		
	Gustavo Oderich	Endovascular treatment of aortic dissections	10
	Csaba Csobay-Novák	Hybrid and complex endovascular procedures of the aortic arch	10
	Stephan Haulon	Latest endovascular developments in the arch and ascending aorta	10
	Nikolaos Tsilimparis	Aortic arch overview of current techniques, (MuVIT maneuver for aortic Arch cases)	10

	Zbigniew Gałązka	„In situ laser fenestration of Aortic Arch stent graft – a single centre experience.”	10	
13.00-14.30	Thoraco-Abdominal Aortic Aneurysm and Aortic Dissection			
	Sebastian Debus	The ThoracoFlo Device for TAAA hybrid repair: new options - new horizons	10	
	Szeberin Zoltán	The fate of uncomplicated typ B dissection	10	
	Gustavo Oderich	Current standards for spinal cord protection during endovascular repair of thoracoabdominal aortic aneurysms	10	
	Eric Verhoeven	Is F/BEVAR already the gold standard for the treatment of PDTAAA?	10	
	Arkadiusz Jawien	What stent graft for complex aortic aneurysm repair, with inner or outer branches?	10	
	Eric Verhoeven	Top ten tips and Tricks in F/BEVAR	5	
	Botos Balázs	cím később	5	
	Vicente Rimbau	cím később	10	
	Jesse Manunga	Outcomes of a System-Wide Protocol for acute type A and B aortic dissections: The Minneapolis Heart Institute experience	10	
15.00-16.00	Aorta Aneurysma Varia			
	Ronald L. Dalman	What diabetes can teach us about AAA disease	10	
	Palásthy Zsolt	Complex Endovascular Repair for Late Complications After Acute Type-A Aortic Dissection Surgery	5	
	Manju Kalra	Indications and techniques of internal iliac revascularization during EVAR	10	
	Nabil Chakfe	How to deal with large common iliac arteries during EVAR: Bell bottom or iliac branches?	10	
	Kosmas I. Paraskevas	Why Do Guidelines Recommend Screening For Abdominal Aortic Aneurysms, But Not For Asymptomatic Carotid Artery Stenosis? A Plea For A Randomized Controlled Trial	5	
	Ernö Remsey-Semmelweis	An Unrecognized Mechanism For Causing Aortic Dissection, Shock Wave Energy Rather Than Increased Aortic Pressure Cause The Tear, How Does It Works & How To Decrease The Risk?	5	
	Jesse Manunga	Prevention of acute renal failure in patients undergoing complex endovascular aortic repair	5	
05.19. Friday	2. Hall			
08.00-09.30	Venous and Lymphatic Diseases			
	Enrico Ascher	Are Dedicated Iliac Vein Stents Really Better than the Old Wallstent?	10	
	Menyhei Gábor	Venous registries and quality improvement	10	
	Zbigniew Krasieński	Interventional treatment of deep vein thrombosis of the upper and lower limbs	10	
	Peter F. Lawrence	Venous Aneurysms: Current Indications and best techniques for repair.	10	
	Koller Ákos	Role of fluid dynamic forces on the movement of lymph and activity of lymph vessels.	5	

	Monika Gloviczki	Drug and cell-based therapies for chronic lymphedema	10	
	Mohos Balázs	Imaging Modalities for Diagnosis and Treatment of Lymphedema	5	
	Chieh-Han John Tzou	Recent Advances in Reconstructive Lymphatic Surgery	10	
	Jakus Zoltán	Nucleoside-modified mRNA mediated modulation of organ-specific lymphatic growth and function in preclinical animal models	10	
10.00-11.00	Venous varia			
	Peter Gloviczki	New guidelines for the management of chronic venous disease	10	
	Alan B. Lumsden	Building a vascular malformation clinic – lessons learned	10	
	Monika Gloviczki	Adjunctive pharmacologic treatment of venous ulcers	10	
	Koller Ákos	Role of pressure and shear stress in the regulation of venular resistance.	10	
	Kathleen Ozsvath	Cyanoacrylate ablation for chronic venous disease. A review and future Application	10	
13.00-14.30	Lower Extremity arterial Diseases			
	Matthew T. Menards	BEST-CLI: Main Clinical Results and What is Coming Next	10	
	Matthew T. Menards	BEST-CLI: Results of the Companion Quality of Life Analysis	5	
	Nemes Balázs	cím később	5	
	Christian-Alexander Behrendt	Limb-related outcomes after invasive open-surgical, endovascular, and hybrid revascularisation of patients with symptomatic peripheral arterial disease: Results from the prospective GermanVasc cohort study.	10	
	Enrico Ascher	Extended Open Approaches to Manage CLTI	10	
	Zbigniew Krasiński	CERAB operations	10	
	Maarit Venermo	Assessment of foot perfusion in CLTI: how to measure after revascularization to predict wound healing	10	
	Cassius Iyad Ochoa Char	Hybrid lower extremity revascularization	10	
	Eugenio Martelli	Sex-related differences and factors associated with peri-procedural and 1-year mortality in chronic limb-threatening ischemia patients from the CLIMATE Italian registry.	10	
15.00-16.00	Vascular trauma			
	Erica L. Mitchell	Contemporary Management of Blunt Thoracic Aortic Injury and the Elvis Presley Trauma Center Experience	10	
	Darabos Gábor	Popliteal Artery Injury Associated with Trauma of the Knee (előadó: dr. Tóth Tamás)	5	
	Erica L. Mitchell	Penetrating and blunt popliteal artery trauma	10	
	Yulija Nahaljuk	"Our experience in the treatment of the injuries of the main vessels during the war in Ukraine. Ways to improve the provision of care at the stages of medical evacuation and the results of the treatment."	10	
	Ukrán előadás	cím később	5	

	Muhammad Ali A. Rana	The challenges of penetrating trauma to major vessels of the chest, abdomen and pelvis.	10	
05.20. Saturday	1. Hall			
08.00-09.30	Carotid Artery			
	R. Clement Darling III.	Open endarterectomy, transfemoral or transcrotid stenting for carotid artery disease	10	
	Banga Péter	Selective shunting for carotid endarterectomy based on Circle of Willis assessment	10	
	Enrico Ascher	Mini-Incision CEA and Other Strategies for Optimal Results	10	
	Alison Halliday	Asymptomatic Carotid Stenosis - the evidence for stroke prevention with stenting and surgery.	10	
	Tina Cohnert	Long-term results in Carotid Surgery for Octogenarians	10	
	Garami Zsolt	The benefits of transcranial ultrasound monitoring during carotid interventions	10	
	Poster 1		5	
	Poster 2		5	
	Poster 3		5	
10.00-11.00	Carotid varia			
	Alison Halliday	Selective screening for Carotid stenosis	10	
	Peter Gloviczki	Current controversies in the management of patients with asymptomatic carotid artery disease	10	
	Tina Cohnert	Contemporary Management of Carotid Body Tumors	10	
	Piotr Myrcha	Carotid Clamping Intolerance - Can It Be Predicted Before Surgery?	10	
	Christian-Alexander Behrendt	Prevalence and risk factors of carotid artery disease, peripheral arterial disease, and abdominal aortic disease in Germany: Results from the Hamburg City Health Study.	10	
	Kosmas I. Paraskevas	Optimal periprocedural antithrombotic treatment in carotid interventions: an international, multispecialty, expert review and position statement	5	
	Poster 1		5	
	Poster 2		5	
	Poster 3		5	
	Poster 4		5	
05.20. Saturday	2. Hall			
08.00-09.30	Vascular Imaging			
	Alan B. Lumsden	Dynamic Imaging for a dynamic process: the gold standard for aortic disease	10	
	Sótonyi Péter	Digital Variance Angiography	10	
	Garami Zsolt	Ultrasound and Bubbles	10	
	Tanila Macedo	The value of ultrasound imaging to help endovascular interventions	10	
	Cassius Iyad Ochoa Chaar	Risk factors and safe contrast volume thresholds for acute kidney injury after percutaneous vascular interventions.	10	

	Poster 1		5	
	Poster 2		5	
	Poster 3		5	
	Poster 4		5	
	Poster 5		5	
10.00-11.30	Graft infection and Varia			
	Peter F. Lawrence	Aortic Graft Infection: Lessons Learned from the Vascular Low Frequency Disease Consortium	10	
	Jancsó Gábor	Analysis of decellularized vascular xenograft (Gábor Fazekas)	10	
	Nabil Chakfe	ESVS guidelines on vascular grafts management	10	
	Zbigniew Krasieński	prosthesis infections	10	
	Eva Morava	When should a vascular specialist ask for a genetic consultation and why?	10	
	Tamas Kozicz	Mitochondria and vascular senescence	10	
	Tomas Baltrunas	Sentante - robot which eliminates X-ray exposure for medical personnel.	10	
	Cassius Iyad Ochoa Char	Risk Factors and Management of Hemodialysis Associated Distal Ischemia	10	
05.20. Saturday	3. Hall			
10.00-11.30	Trainee Section			
	Alan B. Lumsden	Role of online education, cadavers and simulators in vascular residency	10	
	Berczeli Márton	Residency and research	10	
	Petar Zlatanovic	Benefits of ESVS and EVST membership	10	
	Hevér Tímea	Tips and tricks on starting your vascular surgery practice	10	
	Hüttl Artúr	Tips and tricks on starting your interventional radiology practice	10	
	Domonkos Lilla	Medical students favour non-surgical versus surgical specialties for their future employment	10	
	Csobay-Novák Csaba, Banga Péter, Mihály Zsuzsanna	Case presentations	30	

Related subjects due to interdisciplinary fields (both compulsory and elective) and potential overlaps between subjects:

Attendance requirements; conditions under which students can make up for absences and the method of absence justification:

Attendance is mandatory (we provide a QR code attendance record). Absence cannot be compensated.

Form of assessment in the study period:

(including the number, topics and scheduling of oral and written tests, their share in the overall evaluation, make-up tests and improvement tests)

<p>Number and type of assignments for individual work and the deadline for submission:</p> <p>---</p>
<p>Requirements to obtain the teacher's signature:</p> <p>Attendance on each day of the Symposium.</p>
<p>Type of assessment (<i>comprehensive examination, end-term examination, term-grade, term-grade on a three-grade rating scale, no examination</i>):</p> <p>Term-grade</p>
<p>Examination requirements: <i>(list of examination topics, subject areas of tests / examinations, lists of mandatory parameters, figures, concepts and calculations, practical skills)</i></p> <p>---</p>
<p>Method and type of grading: <i>(Share of theoretical and practical examinations in the overall evaluation. Inclusion of the results of the end-of-term assessment. Possibilities of and conditions for offered grades.)</i></p> <p>Attendance on each day of the Symposium.</p>
<p>List of course books, textbooks, study aids and literature facilitating the acquisition of knowledge to complete the course and included in the assessment, precisely indicating which requirement each item is related to (e.g., topic by topic) as well as a list of important technical and other applicable study aids:</p> <p>---</p>
<p>Signature of habilitated instructor (course coordinator) announcing the course:</p>
<p>Signature of the director of the host institution:</p>
<p>Date of submission:</p> <p>2023.02.28.</p>

