

Curriculum Vitae of *Wolf-Hans Eilenberg, MD, PhD, FEBVS*



Personal Data:

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| Date of Birth | November 30 th , 1984 |
| Place of Birth | Münster, Germany |
| Nationality | German |

Main areas of research

W. Eilenberg is a dedicated vascular surgeon at the Department of Surgery, Division of Vascular Surgery and has conducted his PhD project on the role of neutrophils in carotid disease, with a special focus on inflammatory components. In the last years, he has extended his research to the role of neutrophils and NETs in abdominal aortic aneurysms (AAAs). In close collaboration with Prof. Brostjan, PhD head of the associated research lab, he has investigated NET components as a novel biomarker and therapeutic target in AAA. Thus, with his expertise in clinics and research, W. Eilenberg is focused on translational science regarding the abdominal aortic aneurysm. Furthermore, he extended his research area on randomized control trials in AAA, presently metformin as “old medication, novel indication” and submitted a Horizon 2020 grant application with 10 international collaborators.

Education

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| 2010 - 2018 | PhD program in Vascular Biology at the Medical University of Vienna, Graduation PhD degree 03/2018 |
| 2004 - 2010 | Medical studies at the Medical University Vienna |
| 1988 - 2004 | Primary and secondary schools |

Career History

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| 10/2019-02/2020 | Aortic Fellowship University Heart and Vascular Surgery Centre UKE, Hamburg (Germany) |
| 09/2019 | Fellow of European Board of Vascular Surgery, Board examination |

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| 08-09/2019 | Surgical fellow at the Division of Vascular Surgery, University Hospital Zürich |
| 2017 - 2019 | Surgical fellow at the Division of Vascular Surgery, Department of Surgery, Medical University Vienna |
| 2010 - 2017 | Surgical fellow at the Department of General Surgery, Medical University Vienna, General and Visceral Surgeon examination 01/2018 |

Awards

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| 2004 | Award of a scholarship for the Erasmus program at the Leiden Medical University |
| 2016 | Award of best scientific paper by the Association of International Vascular Surgeons, Finlandia prize 2016 |
| 2017 | Best scientific paper at the Angiology Summer Academia 2017 |
| 2018 | Award of best scientific paper by the Association of International Vascular Surgeons, Finlandia prize 2018 |
| 2019 | Award of best scientific paper by the Association of International Vascular Surgeons, Finlandia prize 2019 |
| 2019 | 4. place Wilhelm-Auerswald-prize Austrian society of Physicians |

Peer Review Activities (5 most important)

Journal of Vascular Surgery, Annals of Vascular Surgery, Journal of Endovascular Therapy

Ten most important scientific publications

A) Peer-reviewed manuscripts 2013-2019 (original research and reviews)

1. P. Panhofer, A. Gleiss, **W. Eilenberg**, R. Jakesz, G. Bischof, C. Neumayer: Long term results of outcome and quality of life after endoscopic sympathetic block at T4 ganglion 5-year effects of sympathetic surgery
BJS (2013) 100: 1471–1477, doi: 10.1002/bjs.9275.
2. R. Promberger, J. Lenglinger, O. Riedl, G. Seebacher, M. Riegler, M. Gadenstätter, **W. Eilenberg**, C. Neumayer: Gastro-oesophageal reflux disease in type II diabetics: Symptom load and pathophysiologic aspects - a retro-pro study
BMC Gastroenterology (2013) 13:132, doi: 10.1186/1471-230X-13-132.
3. Piechota-Polanczyk A., Jozkowicz A., Nowak W., **Eilenberg W.**, Neumayer C., Malinski T., Huk I. and Brostjan C. (2015): The abdominal aortic aneurysm and intraluminal thrombus: current concepts of development and treatment (review). 2015
Front. Cardiovasc. Med. 2015 Volume 2 Article 19, doi: 10.3389/fcvm.2015.00019. eCollection 2015.
4. **W. Eilenberg**, S. Stojkovic, A. Piechota-Polanczyk, C. Kaun, S. Rauscher, M. Gröger, M. Klinger, J. Wojta, C. Neumayer, I. Huk, S. Demyanets
Neutrophil Gelatinase-Associated Lipocalin (NGAL) is associated with symptomatic carotid atherosclerosis and drives pro-inflammatory state in vitro

Eur J Vasc Endovasc Surg (2016) 51(5):623-31, doi: 10.1016/j.ejvs.2016.01.009. Epub 2016 Mar 2.

5. W. Eilenberg, S. Stojkovic, A. Kaider, N. Kozakowski, C.M. Domenig, C. Burghuber, J. Nanobachvili, K. Huber, C. Neumayer, I. Huk, J. Wojta, S. Demyanets
NGAL and MMP-9/NGAL as biomarkers of plaque vulnerability and targets of statins in patients with carotid atherosclerosis
Clinical Chemistry and Laboratory Medicine (2017) June, doi: 10.1515/cclm-2017-0156

6. W. Eilenberg, S. Stojkovic, A. Piechota-Polanczyk, A. Kaider, N. Kozakowski, W. Weninger, J. Nanobachvili, J. Wojta, I. Huk, S. Demyanets, C. Neumayer
Neutrophil Gelatinase Associated Lipocalin (NGAL) is elevated in type 2 diabetics with carotid artery stenosis and reduced under metformin treatment
Cardiovascular Diabetology (2017) 16:98, doi: 10.1186/s12933-017-0579-6

7. M. Wieser, T. Francisci, D. Lackner, T. Buerckstuemmer, K. Wasner, **W. Eilenberg**, A. Stift, M. Wahrmann, GA. Böhmig, J. Grillari, R. Grillari-Voglauer
CD46 knock-out using CRISPR/Cas9 editing of hTERT immortalized human cells modulates complement activation
PLoS One (2019) 8;14(4), doi: 10.1371/journal.pone.0214514

8. W. Eilenberg, S. Stojkovic, A. Piechota-Polanczyk, A. Kaider, N. Kozakowski, W. Weninger, J. Nanobachvili, J. Wojta, I. Huk, S. Demyanets, C. Neumayer
Neutrophil gelatinase associated lipocalin may help to identify unstable plaques in patients with asymptomatic carotid atherosclerosis
Eur J Vasc Endovasc Surg (2019) 57(6):768-777. doi: 10.1016/j.ejvs.2018.12.029

9. G. Györi, **W. Eilenberg**, L. Dittrich, C. Neumayer, S. Roka, G. Berlakovich
Preoperative ultrasound improves patency and cost effectiveness in AV fistula surgery-a case matched analysis of long-term outcomes (shared first author).
JVS (2018) 0741-5214(18)31572-6, doi: 10.1016/j.jvs.2018.05.217

10. B. Zagraban, **W. Eilenberg**, S. Prausmueller, P. Nawrozi, K. Muench, S. Hetzer, V. Elleder, R. Rajic, F. Juster, L. Martelanz, H. Hayden, J. Klopff, P. Teubenbacher, M. Weigl, P. Kirchweger, D. Beitzke², B. Jilma, J. Wojta, M. A. Bailey⁶, D. J. A. Scott, I. Huk, C. Neumayer, C. Brostjan
A novel diagnostic and prognostic score for abdominal aortic aneurysms based on D-dimer and a comprehensive analysis of myeloid cell parameters
Thromb Haemost (2019) 119(5):807-820. doi: 10.1055/s-0039-1679939

B) Non peer-reviewed manuscripts 2013-2019: none

Recent funds obtained

- A) # 15012: Das Potential von Neutrophilen und neutrophilen extrazellulären Traps als Biomarker im Aortenaneurysma, € 20.153, Medical Scientific Fund of the Mayor of the City of Vienna, 2015-2017
- B) Herzfeldersche Familienstiftung, € 18.153, 2010-2014
- C) MERCK funding RCT Vienna since 10/2018 “Metformin in non-diabetic AAA”, € 240.000, project leader Wolf Eilenberg