

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



Personal Data:

Date of Birth	November 30 th , 1984
Place of Birth	Münster, Germany
Nationality	German
Web:	https://www.meduniwien.ac.at/researcher/wolf_eilenberg

Main areas of research

W. Eilenberg is a dedicated Consultant at the Division of Vascular Surgery, Department of General 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). Furthermore, he widens his research area on randomized control trials in AAA, presently metformin as “old medication, novel indication” with a Horizon 2020 grant application as the consortium leader with 10 international centers like Stanford University and Uppsala University. Ongoing since 2018 W. Eilenberg is the project leader of the Vienna MetAAA-trial, the first randomized controlled trial of Metformin in non-diabetic AAA. Since October 2020 he is the project leader of the Aortic PhD Fellowship “Novel Endovascular Devices in an Artificial circulatory specialized Vascular Model in stentgrafts and bridging stents”. His central clinical and research expertise inherits translational atherosclerosis and AAA research including complex aortic endovascular repair.

Education

06/2022	Leadership Curriculum Medical University Vienna
11/2021	Habilitation Associate Professor “Neutrophil gelatinase associated protein in carotid disease”
12/2020	Radiation protection officer, Austrian official degree from Seibersdorf, Austria

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

04/2021-now	Senior Physician at the Division of Vascular Surgery, Department of General Surgery, Medical University Vienna
03/2020-04/2021	General and Vascular Surgeon at the Division of Vascular Surgery, Department of General Surgery, Medical University Vienna
10/2019-02/2020	Aortic Fellowship University Heart and Vascular Surgery Centre UKE, Hamburg (Germany), Austrian Vascular Surgery examination 08/2020 Hospitationsstipendium ÖGCH 2019
09/2019	Fellow of European Board of Vascular Surgery (FEBVS), Board examination
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

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, Experimental Molecular Biology, Cardiovascular Diabetology, British Journal of Surgery, Editorial Board Frontiers in Cardiovascular Research, Thrombosis and Haemostasis;

Publications and citations

55 publications (+ several published abstracts)

Total number of citations (2023-08-08):

- based on Google scholar: 859 citations; h-index: 22

based on Scopus: 843 citations, h-index: 22

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 project leader Wolf Eilenberg
- B) Herzfeldersche Familienstiftung, € 18.153, 2010-2014 project leader Svitlana Demyanets
- C) MERCK funding Horizon 2020 pending submission, consortium-leader, 10 centres “Metformin in non-diabetic AAA”, METFORMIN THERAPY TO INHIBIT PROGRESSION IN PATIENTS WITH ABDOMINAL AORTIC ANEURYSM, SC1-BHC-08-2020: META AAA STUDY, € 240.000, consortium leader Wolf Eilenberg
- D) MERCK funding RCT Vienna since 10/2018 “Metformin in non-diabetic AAA”, € 32.630, project leader Wolf Eilenberg
- E) Fellowship PhD program 10/2020 “Aortic Fellowship program symbiosis of “Novel Endovascular Devices in an Artificial circulatory specialized Vascular Model” and clinical application” € 60.000, project leader Wolf Eilenberg
- F) Workshop “Perioperative management of TAAA patients” € 5.000, project leader Wolf Eilenberg
- G) # 22129: “The role of Dendritic cells in peripheral artery disease - A human cohort pilot study” € 20.000, Medical Scientific Fund of the Mayor of the City of Vienna, 2023-2024 project leader Wolf Eilenberg
- H) Fellowship PhD program 11/2023 “Analysis of Blood-circulating microRNAs as a Novel Diagnostic Modality of Spinal Cord Ischemia (SCI) Following Complex Endovascular Aortic Repair” and clinical application” € 25.000, project leader Wolf Eilenberg

Scientific publications

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

1. Panhofer P, Gleiss A, **Eilenberg WH**, Jakesz R, Bischof G, Neumayer C. Long-term outcomes after endothoracic sympathetic block at the T4 ganglion for upper limb hyperhidrosis. Br J Surg. 2013 Oct;100(11):1471-7. doi: 10.1002/bjs.9275.

2. Promberger R, Lenglinger J, Riedl O, Seebacher G, **Eilenberg W**, Ott J, Riegler F, Gadenstätter M, Neumayer C. Gastro-oesophageal reflux disease in type 2 diabetics: symptom load and pathophysiologic aspects - a retro-pro study. *BMC Gastroenterol.* 2013 Aug 23;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, Brostjan C. The Abdominal Aortic Aneurysm and Intraluminal Thrombus: Current Concepts of Development and Treatment. *Front Cardiovasc Med.* 2015 May 26;2:19. doi: 10.3389/fcvm.2015.00019. eCollection 2015.
4. **Eilenberg W**, Stojkovic S, Piechota-Polanczyk A, Kaun C, Rauscher S, Gröger M, Klinger M, Wojta J, Neumayer C, Huk I, Demyanets S. Neutrophil Gelatinase-Associated Lipocalin (NGAL) is associated with symptomatic carotid atherosclerosis and drives pro-inflammatory state in vitro. *Eur J Vasc Endovasc Surg.* 2016 May;51(5):623-31. doi: 10.1016/j.ejvs.2016.01.009. Epub 2016 Mar 2.
5. **Eilenberg W**, Stojkovic S, Kaider A, Kozakowski N, Domenig CM, Burghuber C, Nanobachvili J, Huber K, Klinger M, Neumayer C, Huk I, Wojta J, Demyanets S. NGAL and MMP-9/NGAL as biomarkers of plaque vulnerability and targets of statins in patients with carotid atherosclerosis. *Clin Chem Lab Med.* 2017 Nov 27;56(1):147-156. doi: 10.1515/cclm-2017-0156.
6. **Eilenberg W**, Stojkovic S, Piechota-Polanczyk A, Kaider A, Kozakowski N, Weninger WJ, Nanobachvili J, Wojta J, Huk I, Demyanets S, Neumayer C. Neutrophil gelatinase associated lipocalin (NGAL) is elevated in type 2 diabetics with carotid artery stenosis and reduced under metformin treatment. *Cardiovasc Diabetol.* 2017 Aug 8;16(1):98. doi: 10.1186/s12933-017-0579-6.
7. Wieser M, Francisci T, Lackner D, Buerckstuemmer T, Wasner K, **Eilenberg W**, Stift A, Wahrmann M, Böhmig GA, Grillari J, Grillari-Voglauer R. CD46 knock-out using CRISPR/Cas9 editing of hTERT immortalized human cells modulates complement activation. *PLoS One.* 2019 Apr 8;14(4):e0214514. doi: 10.1371/journal.pone.0214514. eCollection 2019.
8. **Eilenberg W**, Stojkovic S, Kaider A, Piechota-Polanczyk A, Nanobachvili J, Domenig CM, Wojta J, Huk I, Demyanets S, Neumayer C. Neutrophil Gelatinase Associated Lipocalin (NGAL) for Identification of Unstable Plaques in Patients with Asymptomatic Carotid Stenosis. *Eur J Vasc Endovasc Surg.* 2019 Jun;57(6):768-777. doi: 10.1016/j.ejvs.2018.12.029. Epub 2019 Jun 1.
9. Györi GP, **Eilenberg W**, Dittrich L, Neumayer C, Roka S, Berlakovich GA. Preoperative ultrasound improves patency and cost effectiveness in arteriovenous fistula surgery. *J Vasc Surg.* 2019 Feb;69(2):526-531. doi: 10.1016/j.jvs.2018.05.217. Epub 2018 Oct 9.
10. Zagraban B, **Eilenberg W**, Prausmueller S, Nawrozi P, Muench K, Hetzer S, Elleder V, Rajic R, Juster F, Martelanz L, Hayden H, Klopff J, Inan C, Teubenbacher P, Weigl MP, Kirchweiger P, Beitzke D, Jilma B, Wojta J, Bailey MA, Scott DJA, Huk I, Neumayer C, Brostjan C. 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 May;119(5):807-820. doi: 10.1055/s-0039-1679939. Epub 2019 Mar 1.

B) Peer-reviewed manuscripts 2020 (original research and reviews)

11. Jabłońska A, Zagraban B, Neumayer C, Klinger M, **Eilenberg W**, Nanobachvili J, Paradowska E, Brostjan C, Huk I. *TLR2* 2029C/T and *TLR3* 1377C/T and -7C/A Polymorphisms Are Associated with the Occurrence of Abdominal Aortic Aneurysm.

J Immunol. 2020 Jun 1;204(11):2900-2909. doi: 10.4049/jimmunol.1901014.

12. Jabłońska A, Zagrapan B, Neumayer C, **Eilenberg W**, Scheuba A, Brostjan C, Demyanets S, Klinger M, Nanobachvili J, Huk I. Polymorphisms in the IL-6 and TNF- α gene are associated with an increased risk of abdominal aortic aneurysm. Int J Cardiol. 2021 Jan 6:S0167-5273(20)34299-6. doi: 10.1016/j.ijcard.2020.12.051.

13. Eilenberg W, Busch A, Wagenhäuser M, Giannoukas A, Wanhainen A, Neumayer C, Haulon S. Vascular Surgery in Unreal Times. Eur J Vasc Endovasc Surg. 2020 Aug;60(2):167-168. doi: 10.1016/j.ejvs.2020.05.031.

14. Eilenberg W, Schwarz M, Schoder M, Klinger M, Kinstner C, Nanobachvili J, Huk I, Neumayer C, Heinze G, Domenig CM. Inverse probability of treatment analysis of open vs endovascular repair in ruptured infrarenal aortic aneurysm - Cohort study. Int J Surg. 2020 Aug;80:218-224. doi: 10.1016/j.ijsu.2020.05.090.

15. Haider P, Kral-Pointner JB, Mayer J, Richter M, Kaun C, Brostjan C, **Eilenberg W**, Fischer MB, Speidl WS, Hengstenberg C, Huber K, Wojta J, Hohensinner P. Neutrophil Extracellular Trap Degradation by Differently Polarized Macrophage Subsets. Arterioscler Thromb Vasc Biol. 2020 Sep;40(9):2265-2278. doi: 10.1161/ATVBAHA.120.314883.

16. Charbonneau P, **Eilenberg WH**, Rohlfes F, Mougin J, Fabre D, Greenhalgh R, Kolbel T, Haulon S. Silent ischemic cerebral lesions after the endovascular treatment of the aortic arch. Ann Vasc Surg. 2020 Oct;68:101-102. doi: 10.1016/j.avsg.2020.08.020.

17. Eilenberg W, Kölbel T, Rohlfes F, Oderich G, Eleshra A, Tsilimparis N, Debus S, Panuccio G. Comparison of transfemoral vs upper extremity access to antegrade branches in branched endovascular aortic repair. J Vasc Surg. 2020 Nov 25:S0741-5214(20)32460-5. doi: 10.1016/j.jvs.2020.11.020.

18. Klopff J, Scheuba A, Brostjan C, Neumayer C, **Eilenberg W**. Strategies so far and future Prospects for Reducing Growth Rates in abdominal Aortic Aneurysms A selective Literature Review and Discussion of the current Vienna MetAAA Trial. Gefasschirurgie 2020; **25**(6): 446-9.

19. Burghuber CK, Konzett S, **Eilenberg W**, Nanobachvili J, Funovics M, Hofmann W, Neumayer C, Domenig CM. Novel Prefabricated Bovine Pericardial Grafts as Alternate Conduit for Septic Aorto-Iliac Reconstruction. J Vasc Surg. 2020 Dec 2:S0741-5214(20)32500-3. doi: 10.1016/j.jvs.2020.11.028

20. Zagrapan B, **Eilenberg W**, Scheuba A, Klopff J, Brandau A, Story J, Dosch K, Hayden H, Domenig CM, Fuchs L, Schernthaner R, Ristl R, Huk I, Neumayer C, Brostjan C. J Complement Factor C5a Is Increased in Blood of Patients with Abdominal Aortic Aneurysm and Has Prognostic Potential for Aneurysm Growth. Cardiovasc Transl Res. 2020 Dec 17. doi: 10.1007/s12265-020-10086-5.

21. Charbonneau P, Kölbel T, Rohlfes F, **Eilenberg W**, Planche O, Bechstein M, Ristl R, Greenhalgh R, Haulon S; STEP collaborators. Silent Brain Infarction After Endovascular Arch Procedures: Preliminary Results from the STEP Registry. Eur J Vasc Endovasc Surg. 2020 Dec 22:S1078-5884(20)31042-X. doi: 10.1016/j.ejvs.2020.11.021.

*C) Peer-reviewed manuscripts **2021** (original research and reviews)*

- 22.** Jabłońska A, Zagrapan B, Neumayer C, **Eilenberg W**, Scheuba A, Brostjan C, Demyanets S, Klinger M, Nanobachvili J, Huk I. Polymorphism in the IL-6 and TNF- α gene are associated with an increased risk of abdominal aortic aneurysm. *Int J Cardiol.* 2021 Jan 6;S0167-5273(20)34299-6. doi: 10.1016/j.ijcard.2020.12.051.
- 23.** Klopff J, Brostjan C, **Eilenberg W**, Neumayer C. Neutrophil Extracellular Traps and Their Implications in Cardiovascular and Inflammatory Disease. *Int J Mol Sci.* 2021 Jan 8;22(2):559. doi: 10.3390/ijms22020559.
- 24.** **Eilenberg W**, Zagrapan B, Bleichert S, Ibrahim N, Knöbl V, Brandau A. et al. Christoph Neumayer C, Brostjan. Histone citrullination as a novel biomarker and target to inhibit progression of abdominal aortic aneurysms. *Transl Res.* 2021 Feb 8;S1931-5244(21)00026-8. doi: 10.1016/j.trsl.2021.02.003.
- 25.** Jabłońska A, Zagrapan B, Neumayer C, **Eilenberg W**, Scheuba A, Brostjan C, Demyanets S, Klinger M, Nanobachvili J, Huk I. Abdominal aortic aneurysm and virus infection: a potential causative role for cytomegalovirus infection? *Journal of Medical Virology* Article DOI: 10.1002/jmv.26901
- 26.** Hayden H, Ibrahim N, Klopff J, Zagrapan B, Mauracher LM, Hell L, Hofbauer TM, Ondracek AS, Schoergenhofer C, Jilma B, Lang IM, Pabinger I, **Eilenberg W**, Neumayer C, Brostjan C. ELISA detection of MPO-DNA complexes in human plasma is error-prone and yields limited information on neutrophil extracellular traps formed in vivo. *PLoS One.* 2021 Apr 22;16(4):e0250265. doi: 10.1371/journal.pone.0250265. eCollection 2021.
- 27.** **Eilenberg W**, Bechstein M, Charbonneau P, Rohlfes F, Eleshra A, Panuccio G, Bhangu JS, Fiehler J, Greenhalgh RM, Haulon S, Kölbel T. Cerebral microbleeds following thoracic endovascular aortic repair. *Br J Surg.* 2021 Oct 25;znab341. doi: 10.1093/bjs/znab341. Online ahead of print.
- 28.** **Eilenberg W**, Panuccio G, Rohlfes F, Eleshra AS, Heidemann F, Kölbel T. Bail-out technique to detach a locked Viabahn endoprosthesis in branched thoracic endovascular aortic repair. *J Vasc Surg Cases Innov Tech.* 2021 Jul 1;7(4):593-596. doi: 10.1016/j.jvscit.2021.06.006. eCollection 2021 Dec.
- 29.** Klopff J, Brostjan C, Neumayer C, **Eilenberg W**. Neutrophils as Regulators and Biomarkers of Cardiovascular Inflammation in the Context of Abdominal Aortic Aneurysms. *Biomedicines.* 2021 Sep 16;9(9):1236. doi: 10.3390/biomedicines9091236.
- 30.** **Eilenberg W**, Panuccio G, Rohlfes F, Eleshra AS, Heidemann F, Kölbel T. Iatrogenic coarctation caused by branched thoracic endovascular aortic repair treated with Palmaz XL stent and triple kissing balloon technique. *J Vasc Surg Cases Innov Tech.* 2021 Jun 4;7(3):433-437. doi: 10.1016/j.jvscit.2021.05.012. eCollection 2021 Sep.
- 31.** Hauck SR, Kupferthaler A, Stelzmüller M, **Eilenberg W**, Ehrlich M, Neumayer C, Wolf F, Loewe C, Funovics MA. Endovascular Stent-Graft Repair of the Ascending Aorta: Assessment of a Specific Novel Stent-Graft Design in Phantom, Cadaveric, and Clinical Application. *Cardiovasc Intervent Radiol.* 2021 Sep;44(9):1448-1455. doi: 10.1007/s00270-021-02859-5. Epub 2021 Jun 27.
- 32.** Ristl R, Klopff J, Scheuba A, Wolf F, Funovics M, Gollackner B, Wanhainen A, Neumayer C, Posch M, Brostjan C, **Eilenberg W**. Growth prediction model for abdominal aortic aneurysms based on longitudinal CTA data and external validation. *Br J Surg* 2021 Nov 28;znab407. doi: 10.1093/bjs/znab407.

33. von Rose AB, Kobus K, Bohmann B, Trenner M, Wahida A, Eckstein HH, Bassermann F, von Heckel K, Wolk S, Reeps C, Schwaiger BJ, **Eilenberg WH**, Neumayer C, Burghuber C, Busch A. Concomitantly discovered visceral artery aneurysm do rarely grow during cancer therapy. Clin Anat. 2021 Nov 26. doi: 10.1002/ca.23813.

D) Peer-reviewed manuscripts 2022 (original research and reviews)

34. Kessler, V.; Klopff, J.; **Eilenberg, W.**; Neumayer, C.; Brostjan, C. AAA Revisited: A Comprehensive Review of Risk Factors, Management, and Hallmarks of Pathogenesis. Biomedicines. 2022 Jan 2;10(1):94. doi: 10.3390/biomedicines10010094.

35. Hauck SR, **Eilenberg W**, Kupferthaler A, Kern M, Dachs TM, Wressnegger A, Neumayer C, Loewe C, Funovics MA.

Use of a Steerable Sheath for Completely Femoral Access in Branched Endovascular Aortic Repair Compared to Upper Extremity Access.

Cardiovasc Intervent Radiol. 2022 Jun;45(6):744-751. doi: 10.1007/s00270-022-03064-8.

36. Selberherr A, Mari M, Klinger M, Burghuber C, **Eilenberg W**, Gollackner B, Neumayer C, Domenig C. Left Renal Vein Division for Juxtarenal Aortic Exposure: Influence on Renal Function and Role of the Communicating Lumbar Vein

World J Surg. 2022 Jun;46(6):1493-1499. doi: 10.1007/s00268-022-06480-6.

37. Brandau A, Ibrahim N, Klopff J, Hayden H, Ozsvar-Kozma M, Afonyushkin T, Bleichert S, Fuchs L, Watzinger V, Nairz V, Manville E, Kessler V, Stangl H, **Eilenberg W**, Neumayer C, Brostjan C.

Association of Lipoproteins with Neutrophil Extracellular Traps in Patients with Abdominal Aortic Aneurysm

Biomedicines. 2022 Jan 20;10(2):217. doi: 10.3390/biomedicines10020217.

38. Nagel F, Schaefer AK, Gonçalves IF, Acar E, Oszwald A, Kaiser P, Kain R, Trescher K, **Eilenberg WH**, Brostjan C, Santer D, Kiss A, Podesser BK.

The expression and role of tenascin C in abdominal aortic aneurysm formation and progression

Interact Cardiovasc Thorac Surg. 2022 May 2;34(5):841-848. doi: 10.1093/icvts/ivac018.

39. **Eilenberg W**, Klopff J, Domenig CM, Klinger M, Wolf F, Gollackner B, Nanobachvili J, Neumayer C.

The Femoral Vein as a Long-Term Aorto-Iliac Graft for Aortic Infection and Aortitis

World J Surg. 2022 May;46(5):1235-1242. doi: 10.1007/s00268-022-06460-w.

40. Klopff J, Fuchs L, Schernthaner R, Domenig CM, Gollackner B, Brostjan C, Neumayer C, **Eilenberg W**.

The prognostic impact of vascular calcification on abdominal aortic aneurysm progression

J Vasc Surg. 2021 Dec 16:S0741-5214(21)02598-2. doi: 10.1016/j.jvs.2021.11.062.

41. Musumeci L, **Eilenberg W**, Pincemail J, Yoshimura K, Sakalihasan N. Towards Precritical Medical Therapy of the Abdominal Aortic Aneurysm.

Biomedicines. 2022 Nov 29;10(12):3066. doi: 10.3390/biomedicines10123066.

42. Kampf S, Micko A, Stojkovic S, Nackenhorst M, Demyanets S, **Eilenberg W**, Krenn C, Wojta J, Neumayer C.

Elevated EMMPRIN serum levels indicate plaque vulnerability in patients with asymptomatic high grade carotid stenosis. Eur J Vasc Endovasc Surg. 2022 Dec 15:S1078-

5884(22)00824-3. doi: 10.1016/j.ejvs.2022.12.010.

43. Kasiri MM, Mittlboek M, Giurgea GA, Fortner N, Lirk P, **Eilenberg W**, Gollackner B, Neumayer C.
Peripheral Artery Disease Causes More Harm to Patients than COVID-19. Healthcare (Basel). 2022 Sep 20;10(10):1809. doi: 10.3390/healthcare10101809.
44. Klopff J, Demyanets S, Brekalo M, **Eilenberg W**, Wojta J, Neumayer C, Brostjan C, Stojkovic S. Soluble ST2 as a Potential Biomarker for Abdominal Aortic Aneurysm-A single Center Retrospective Cohort Study.
Int J Mol Sci. 2022 Aug 24;23(17):9598. doi: 10.3390/ijms23179598. (**corresponding author**)
45. Ibrahim N, Klopff J, Bleichert S, Bailey MA, Busch A, Stiglbauer-Tscholakoff A, **Eilenberg W**, Neumayer C, Brostjan C.
Drug Treatment by Central Venous Catheter in a Mouse Model of Angiotensin II Induced Abdominal Aortic Aneurysm and Monitoring by 3D Ultrasound. C. J Vis Exp. 2022 Aug 4;(186). doi: 10.3791/64124.
46. Ibrahim N, Bleichert S, Klopff J, Kurzreiter G, Knöbl V, Hayden H, Busch A, Stiglbauer-Tscholakoff A, **Eilenberg W**, Neumayer C, Bailey MA, Brostjan C.
3D Ultrasound Measurements Are Highly Sensitive to Monitor Formation and Progression of Abdominal Aortic Aneurysms in Mouse Models. Front Cardiovasc Med. 2022 Jul 12;9:944180. doi: 10.3389/fcvm.2022.944180. eCollection 2022.
47. Becker von Rose A, Kobus K, Bohmann B, Lindquist-Lilljequist M, **Eilenberg W**, Bassermann F, Reeps C, Eckstein HH, Trenner M, Maegdefessel L, Neumayer C, Brostjan C, Roy J, Hultgren R, Schwaiger BJ, Busch A.
Radiation and Chemotherapy are Associated with Altered Aortic Aneurysm Growth in Patients with Cancer: Impact of Synchronous Cancer and Aortic Aneurysm. Eur J Vasc Endovasc Surg. 2022 Aug-Sep;64(2-3):255-264. doi: 10.1016/j.ejvs.2022.07.007. Epub 2022 Jul 16.
48. Sotir A, Klopff J, Florian W, Funovics MA, Loewe C, Domenig C, Kölbel T, Neumayer C, **Eilenberg W**. Monoplane versus Biplane Fluoroscopy in Patients undergoing Fenestrated/Branched Endovascular Aortic Repair. J Vasc Surg. 2022 Dec 29:S0741-5214(22)02716-1. doi: 10.1016/j.jvs.2022.12.037.
49. von Rose AB, Kobus K, Bohmann B, Trenner M, Wahida A, Eckstein HH, Bassermann F, von Heckel K, Wolk S, Reeps C, Schwaiger BJ, **Eilenberg WH**, Neumayer C, Burghuber C, Busch A. Concomitantly discovered visceral artery aneurysm do rarely grow during cancer therapy.
Clin Anat. 2022 Apr;35(3):296-304. doi: 10.1002/ca.23813. Epub 2021 Dec 2.

E) Peer-reviewed manuscripts 2023 (original research and reviews)

50. Sotir A, Klopff J, Brostjan C, Neumayer C, **Eilenberg W**. Biomarkers of Spinal Cord Injury in Patients Undergoing Complex Endovascular Aortic Repair Procedure – A narrative Review of current Literature.
Biomedicines. 2023 Apr 28;11(5):1317. doi: 10.3390/biomedicines11051317.
51. Sotir A, Klopff J, Wolf F, Funovics MA, Loewe C, Kölbel T, Neumayer C, **Eilenberg W**. Early experience with bridging stent graft deployment without sheath support in branched and fenestrated endovascular aortic repair.
J Vasc Surg. 2023 Jun 16:S0741-5214(23)01311-3. doi: 10.1016/j.jvs.2023.05.054.

52. Hayden H, Klopff J, Ibrahim N, Knöbl V, Sotir A, Mekis R, Nowikovsky K, **Eilenberg W**, Neumayer C, Brostjan C. Quantitation of oxidized nuclear and mitochondrial DNA in plasmasamples of patients with abdominal aortic aneurysm. *Free Radic Biol Med.* 2023 Jun 21;206:94-105. doi: 10.1016/j.freeradbiomed.2023.06.014.
53. Ristl R, Klopff J, Scheuba A, Sotir A, Wolf F, Domenig CM, Wanhainen A, Neumayer C, Posch M, Brostjan C, **Eilenberg W**. Comparing maximum diameter and volume when assessing the growth of small abdominal aortic aneurysms using longitudinal CTA data: cohort study. *Int J Surg.* 2023 Jul 4. doi: 10.1097/JS9.0000000000000433.
54. Klopff J, Willixhofer R, Scheuba A, Fuchs L, Sotir A, Wanhainen A, Brostjan C, Neumayer C, **Eilenberg W**. MetAAA trial patients show superior quality of life compared to patients under regular surveillance for small AAA: a single-center retrospective cohort study. *Int J Surg.* 2023 Apr 1;109(4):861-869. doi: 10.1097/JS9.0000000000000343.
55. **Eilenberg W**, Waduud MA, Davies H, Bailey MA, Scott DJA, Wolf F, Sotir A, Lakowitsch S, Kaider A, Heinze G, Brostjan C, Domenig CM and Neumayer C (2023) Evaluation of national institute for health and care excellence guidance for ruptured abdominal aortic aneurysms by emulating a hypothetical target trial. *Front. Cardiovasc. Med.* 10:1219744. doi: 10.3389/fcvm.2023.1219744