

Institut für herz- und gefäßchirurgische Forschung

Institutsleitung: Prim. Univ.-Prof. Dr. Martin Grabenwöger

Wissenschaftliche Referate 2022:

- Stümpflen A, Orale Antikoagulation: Fokus Angiologie – State Of The Art 2022. Medicine Meets Technology 2022, Neuhofen an der Ybbs, 24. -25. September 2022
- Stümpflen A, Neues zur antithrombotischen Therapie 2022. Cardiovascular Surgical Symposium, Riegersburg, 14. - 16. Oktober 2022
- M. Harrer, Chirurgische Impella 5.5. Cardiovascular Surgical Symposium, Riegersburg, 14. - 16. Oktober 2022
- M. Grabenwöger, Neuroprotektion bei Aortenbogenoperationen. Cardiovascular Surgical Symposium, Riegersburg, 14. - 16. Oktober 2022

Wissenschaftliche Publikationen 2022:

- Aschacher T, Geisler D, Lenz V, Aschacher O, Winkler B, Schaefer AK, Mitterbauer A, Wolf B, Enzmann FK, Messner B, Laufer G, Ehrlich MP, Grabenwöger M, Bergmann M. Impacts of Telomeric Length, Chronic Hypoxia, Senescence, and Senescence-Associated Secretory Phenotype on the Development of Thoracic Aortic Aneurysm. *Int J Mol Sci.* 2022 Dec 7;23(24):15498
- Widenka KJ, Kosiorowska M, Jakob H, Pacini D, Hemmer W, Grabenwoeger M, Sioris T, Moritz A, Tsagakis K. Early and midterm results of frozen elephant trunk operation with Evita open stent-graft in patients with Marfan syndrome: results of a multicentre study. *BMC Cardiovasc Disord.* 2022 Jul 26;22(1):333.
- Szalkiewicz P, Emmert MY, Heinisch PP, Arnold Z, Crailsheim I, Mach M, Aschacher T, Grabenwöger M, Winkler B. Graft preservation confers myocardial protection during coronary artery bypass grafting. *Front Cardiovasc Med.* 2022 Jul 28;9:922357.
- Aschacher T, Aschacher O, Schmidt K, Enzmann FK, Eichmair E, Winkler B, Arnold Z, Nagel F, Podesser BK, Mitterbauer A, Messner B, Grabenwöger M, Laufer G, Ehrlich MP, Bergmann M. The Role of Telocytes and Telocyte-Derived Exosomes in the Development of Thoracic Aortic Aneurysm. *Int J Mol Sci.* 2022 Apr 25;23(9):4730.
- Appa H, Park K, Bezuidenhout D, van Breda B, de Jongh B, de Villiers J, Chacko R, Scherman J, Ofoegbu C, Swanevelder J, Cousins M, Human P, Smith R, Vogt F, Podesser BK, Schmitz C, Conradi L, Treede H, Schröfel H, Fischlein T, Grabenwöger M, Luo X, Coombes H, Matskeplishvili S, Williams DF, Zilla P. The Technological Basis of a Balloon-Expandable TAVR System: Non-occlusive Deployment, Anchorage in the Absence of Calcification and Polymer Leaflets. *Front Cardiovasc Med.* 2022 Mar 3;9:791949.
- Hasimbegovic E, Papp L, Grahovac M, Krajnc D, Poschner T, Hasan W, Andreas M, Gross C, Strouhal A, Delle-Karth G, Grabenwöger M, Adlbrecht C, Mach M. A Sneak-Peek into the Physician's Brain: A Retrospective Machine Learning-Driven Investigation of Decision-Making in TAVR versus SAVR for Young High-Risk Patients with Severe Symptomatic Aortic Stenosis. *J Pers Med.* 2021 Oct 22;11(11):1062.