



Publication Report 2023

1. Akbari N, Heinze G, Rauch G, Sander B, Becher H, Dunkler D: Causal Model Building in the Context of Cardiac Rehabilitation: A Systematic Review. *Int J Environ Res Public Health* (2023) 20(4): 3182; <https://doi.org/10.3390/ijerph20043182>
2. Aschacher O, Kaider A, Sternat N, Ederer IA, Stievano S, Radtke C, Hacker S, Pauzenberger R: Impact of diabetes on clinical outcome in severely burned patients. *Burns* (2023) 49(1): 193-199; <https://doi.org/10.1016/j.burns.2022.02.017>
3. Aschauer J, Zilberszac R, Gleiss A, Colizzi C, Binder T, Bruno P, Laufer G, Massetti M, Gabriel H, Rosenhek R: Long-Term Outcome of Bicuspid Aortic Valve Disease. *Eur Heart J Cardiovasc Imaging* (2023) jead312; <https://doi.org/10.1093/ehjci/jead312>
4. Crane CR, Garimella PS, Heinze G: Predicting pediatric kidney disease progression-are 3 variables all you need? *Kidney Int* (2023) 104(5): 885-887; <https://doi.org/10.1016/j.kint.2023.08.019>
5. Eilenberg W, Waduud MA, Davies H, Bailey MA, Scott DJA, Wolf F, Sotir A, Lakowitsch S, Kaider A, Heinze G, Brostjan C, Domenig CM, Neumayer C: Evaluation of national institute for health and care excellence guidance for ruptured abdominal aortic aneurysms by emulating a hypothetical target trial. *Front Cardiovasc Med* (2023) 10;1219744; <https://doi.org/10.3389/fcvm.2023.1219744>
6. Ertl DA, de Nanclares GP, Juppner H, Hanna P, Pagnano A, Pereda A, Rothenbuhler A, Del Sindaco G, Ruiz-Cuevas P, Audrain C, Escribano A, Berkenou J, Gleiss A, Mantovani G, Linglart A: Recombinant growth hormone improves growth and adult height in patients with maternal inactivating GNAS mutations. *Eur J Endocrinol* (2023) 189(1): 123-131; <https://doi.org/10.1093/ejendo/lvad085>
7. Ertl DA, Mantovani G, de Nanclares GP, Elli FM, Pereda A, Pagnano A, Sanchis A, Cueto-Gonzalez AM, Berrade S, Leon MC, Rothenbuhler A, Audrain C, Berkenou J, Knight N, Dolman K, Gleiss A, Argente J, Linglart A: Growth patterns and outcomes of growth hormone therapy in patients with acrodysostosis. *J Endocrinol Invest* (2023) 46(8): 1673-1684; <https://doi.org/10.1007/s40618-023-02026-2>
8. Geroldinger A, Lusa L, Nold M, Heinze G: Leave-one-out cross-validation, penalization, and differential bias of some prediction model performance measures-a simulation study. *Diagn Progn Res* (2023) 7(1): 9; <https://doi.org/10.1186/s41512-023-00146-0>
9. Geroldinger A, Strohmaier S, Kammer M, Schilhart-Wallisch C, Heinze G, Oberbauer R, Haller MC: Sex differences in the survival benefit of kidney transplantation: a retrospective cohort study using target trial emulation. *Nephrol Dial Transplant* (2023) 39(1): 36-44; <https://doi.org/10.1093/ndt/gfad137>
10. Gregorich M, Kammer M, Heinzel A, Boger C, Eckardt KU, Heerspink HL, Jung B, Mayer G, Meiselbach H, Schmid M, Schultheiss UT, Heinze G, Oberbauer R, Consortium BE-D: Development and Validation of a Prediction Model for Future Estimated Glomerular Filtration Rate in People With Type 2 Diabetes and Chronic Kidney Disease. *JAMA Netw Open* (2023) 6(4): e231870; <https://doi.org/10.1001/jamanetworkopen.2023.1870>



11. Hafner C, Scharner V, Hermann M, Metelka P, Hurch B, Klaus DA, Schaubmayr W, Wagner M, Gleiss A, Willschke H, Hamp T: Eye-tracking during simulation-based echocardiography: a feasibility study. *BMC Med Educ* (2023) 23(1): 490; <https://doi.org/10.1186/s12909-023-04458-z>
12. Haninger-Vacariu N, Gleiss A, Gaggl M, Aigner C, Kain R, Prohászka Z, Szilágyi Á, Csuka D, Böhmig GA, Sunder-Plassmann R, Sunder-Plassmann G, Schmidt A: Pregnancy in Complement-Mediated Thrombotic Microangiopathy: Maternal and Neonatal Outcomes. *Kidney Medicine* (2023) 5(7): 100669; <https://doi.org/10.1016/j.xkme.2023.100669>
13. Heber S, Gleiss A, Kuzdas-Sallaberger M, Hausharter M, Matousek M, Ocenasek H, Fischer B, Volf I, Pokan R: Effects of high-intensity interval training on trajectories of gas-exchange measures and blood lactate concentrations during cardiopulmonary exercise tests in cardiac rehabilitation-A randomized controlled trial. *Scand J Med Sci Sports* (2023) 33(8): 1345-1359; <https://doi.org/10.1111/sms.14380>
14. Heidtmann J, Dunkler D, Hargitai L, Scheuba C, Niederle B, Riss P, Selberherr A: Primary Hyperparathyroidism and Intraoperative Parathyroid Hormone Monitoring: Application of a Modified Interpretation in Patients With "Parathyroid Hormone Spikes". *J Surg Res* (2023) 282(9-14) <https://doi.org/10.1016/j.jss.2022.08.016>
15. Heinzl N, Maritschnegg E, Koziel K, Schilhart-Wallisch C, Heinze G, Yang WL, Bast RC, Sehouli J, Braicu EI, Vergote I, Van Gorp T, Mahner S, Paspalj V, Grimm C, Obermayr E, Schuster E, Holzer B, Rousseau F, Schymkowitz J, Concin N, Zeillinger R: Amyloid-like p53 as prognostic biomarker in serous ovarian cancer-a study of the OVCAD consortium. *Oncogene* (2023) 42(33): 2473-2484; <https://doi.org/10.1038/s41388-023-02758-8>
16. Hubin A, Heinze G, De Bin R: Fractional Polynomial Models as Special Cases of Bayesian Generalized Nonlinear Models. *Fractal and Fractional* (2023) 7(9): 641; <https://doi.org/10.3390/fractfract7090641>
17. Janka C, Stamm T, Heinze G, Dorner TE: A Training Programme for Developing Social and Personal Resources and Its Effects on the Perceived Stress Level in Adults in Daily Life-Study Protocol for a Prospective Cohort Study. *Int J Environ Res Public Health* (2023) 20(1): 523; <https://doi.org/10.3390/ijerph20010523>
18. Kammer M, Heinzel A, Hu K, Meiselbach H, Gregorich M, Busch M, Duffin KL, Gomez MF, Eckardt KU, Oberbauer R, consortium BE-D: Different roles of protein biomarkers predicting eGFR trajectories in people with chronic kidney disease and diabetes mellitus: a nationwide retrospective cohort study. *Cardiovasc Diabetol* (2023) 22(1): 74; <https://doi.org/10.1186/s12933-023-01808-5>
19. Kasiri MM, Mittlboeck M, Dawoud C, Riss S: Technical and functional outcome after sacral neuromodulation using the "H" technique. *Wien Klin Wochenschr* (2023) 135(15-16): 399-405; <https://doi.org/10.1007/s00508-022-02115-x>
20. Laxar D, Eitenberger M, Maleczek M, Kaider A, Hammerle FP, Kimberger O: The influence of explainable vs non-explainable clinical decision support systems on rapid triage decisions: a mixed methods study. *BMC Med* (2023) 21(1): 359; <https://doi.org/10.1186/s12916-023-03068-2>
21. Liepins R, Kaider A, Auinger AB, Dahm V, Honeder C, Riss D, Arnoldner C: The Effect of Pulse Shape and Interphase Gaps on Speech Perception and Perceived Sound Quality in Electrical Hearing. *Ear Hear* (2023) 44(1): 146-154; <https://doi.org/10.1097/AUD.0000000000001262>



22. Listabarth S, Vyssoki B, Marculescu R, Gleiss A, Groemer M, Trojer A, Harrer C, Weber S, Konig D: Can thiamine substitution restore cognitive function in alcohol use disorder? *Alcohol Alcohol* (2023) 58(3): 315-323; <https://doi.org/10.1093/alc/alc017>
23. Ma S, Mittlboeck M, Rubio FJ, Liu CC: 2nd special issue on BIOSTATISTICS. *Computational Statistics & Data Analysis* (2023) 181:107681; <https://doi.org/10.1016/j.csda.2022.107681>
24. Maleczek M, Laxar D, Geroldinger A, Kimberger O: Intraoperative Hypotension Is Associated with Postoperative Nausea and Vomiting in the PACU: A Retrospective Database Analysis. *J Clin Med* (2023) 12(5): 2009; <https://doi.org/10.3390/jcm12052009>
25. Mehic D, Machacek J, Schramm T, Buresch L, Kaider A, Eichelberger B, Haslacher H, Fillitz M, Dixer B, Flasch T, Anderle T, Rath A, Assinger A, Ay C, Pabinger I, Gebhart J: Platelet function and soluble P-selectin in patients with primary immune thrombocytopenia. *Thromb Res* (2023) 223(102-110); <https://doi.org/10.1016/j.thromres.2023.01.012>
26. Mehic D, Neubauer G, Janig F, Kaider A, Ay C, Pabinger I, Gebhart J: Risk factors for future bleeding in patients with mild bleeding disorders: longitudinal data from the Vienna Bleeding Biobank. *J Thromb Haemost* (2023) 21(7): 1757-1768; <https://doi.org/10.1016/j.jtha.2023.03.006>
27. Michl M, Neschi M, Kaider A, Hatz K, Deak G, Gerendas BS, Schmidt-Erfurth U: A systematic evaluation of human expert agreement on optical coherence tomography biomarkers using multiple devices. *Eye (Lond)* (2023) 37(12): 2573-2579; <https://doi.org/10.1038/s41433-022-02376-w>
28. Mittlböck M (Ed): *Statistical issues in drug development by Stephen Senn, third edition*, New York: John Wiley & Sons. 2021. 640 p. USD 120.00. ISBN: 978-1-119-23857-7. 65. Wiley, (2023).
29. Pramhas S, Thalhammer T, Terner S, Pickelsberger D, Gleiss A, Sator S, Kress HG: Oral cannabidiol (CBD) as add-on to paracetamol for painful chronic osteoarthritis of the knee: a randomized, double-blind, placebo-controlled clinical trial. *Lancet Reg Health Eur* (2023) 35(100777); <https://doi.org/10.1016/j.lanepe.2023.100777>
30. Schlein J, Kaider A, Gabriel H, Wiedemann D, Hornykewycz S, Simon P, Base E, Michel-Behnke I, Laufer G, Zimpfer D: Aortic Valve Repair in Pediatric Patients: 30 Years Single Center Experience. *Ann Thorac Surg* (2023) 115(3): 656-662; <https://doi.org/10.1016/j.athoracsur.2022.05.061>
31. Schoeberl AK, Zuckermann A, Kaider A, Aliabadi-Zuckermann A, Uyanik-Uenal K, Laufer G, Goekler J: Absolute Lymphocyte Count as a Marker for Cytomegalovirus Infection After Heart Transplantation. *Transplantation* (2023) 107(3): 748-752; <https://doi.org/10.1097/TP.00000000000004360>
32. Thiem U, Hewitson TD, Toussaint ND, Holt SG, Haller MC, Pasch A, Cejka D, Smith ER: Effect of the phosphate binder sucroferric oxyhydroxide in dialysis patients on endogenous calciprotein particles, inflammation, and vascular cells. *Nephrol Dial Transplant* (2023) 38(5): 1282-1296; <https://doi.org/10.1093/ndt/gfac271>
33. Tur D, Giannis K, Unger E, Mittlboeck M, Rausch-Fan X, Strbac GD: Drilling- and withdrawing-related thermal effects of implant site preparation for ceramic and stainless steel twist drills in



standardized bovine bone. *Clin Implant Dent Relat Res* (2023) 25(1): 152-165;
<https://doi.org/10.1111/cid.13151>

34. Weinhofer I, Rommer P, Gleiss A, Ponleitner M, Zierfuss B, Waidhofer-Sollner P, Fourcade S, Grabmeier-Pfistershamer K, Reinert MC, Gopfert J, Heine A, Yska HAF, Casasnovas C, Cantarin V, Bergner CG, Mallack E, Forss-Petter S, Aubourg P, Bley A, Engelen M, Eichler F, Lund TC, Pujol A, Kohler W, Kuhl JS, Berger J: Biomarker-based risk prediction for the onset of neuroinflammation in X-linked adrenoleukodystrophy. *EBioMedicine* (2023) 96(104781)
<https://doi.org/10.1016/j.ebiom.2023.104781>
35. Zeiner S, Zadrazil M, Willschke H, Wiegele M, Marhofer P, Hammerle FP, Laxar D, Gleiss A, Kimberger O: Accuracy of a Dual-Sensor Heat-Flux (DHF) Non-Invasive Core Temperature Sensor in Pediatric Patients Undergoing Surgery. *J Clin Med* (2023) 12(22): 7018; <https://doi.org/10.3390/jcm12227018>
36. Zessner-Spitzenberg J, Jiricka L, Waldmann E, Rockenbauer LM, Cook J, Hinterberger A, Majcher B, Szymanska A, Asaturi A, Trauner M, Ferlitsch M: Polyp characteristics at screening colonoscopy and post-colonoscopy colorectal cancer mortality: a retrospective cohort study. *Gastrointest Endosc* (2023) 97(6): 1109-1118 e1102; <https://doi.org/10.1016/j.gie.2023.01.021>
37. Zessner-Spitzenberg J, Waldmann E, Jiricka L, Rockenbauer LM, Hinterberger A, Cook J, Asaturi A, Szymanska A, Majcher B, Trauner M, Ferlitsch M: Comparison of adenoma detection rate and proximal serrated polyp detection rate and their effect on post-colonoscopy colorectal cancer mortality in screening patients. *Endoscopy* (2023) 55(5): 434-441;
<https://doi.org/10.1055/a-1974-9979>
38. Zilberszac R, Gleiss A, Massetti M, Wisser W, Binder T, Gabriel H, Rosenhek R: Left atrial size predicts outcome in severe but asymptomatic mitral regurgitation. *Sci Rep* (2023) 13(1): 3892;
<https://doi.org/10.1038/s41598-023-31163-0>