



## Publication Report 2020

1. Aalen OO, Stensrud MJ, Didelez V, Daniel R, Roysland K, Strohmaier S: Time-dependent mediators in survival analysis: Modeling direct and indirect effects with the additive hazards model. *Biom J* (2020) 62(3): 532-549; <https://doi.org/10.1002/bimj.201800263>
2. Altmann P, De Simoni D, Kaider A, Ludwig B, Rath J, Leutmezer F, Zimprich F, Hoefftberger R, Lunn MP, Heslegrave A, Berger T, Zetterberg H, Rommer PS: Increased serum neurofilament light chain concentration indicates poor outcome in Guillain-Barre syndrome. *J Neuroinflammation* (2020) 17(1): 86; <https://doi.org/10.1186/s12974-020-01737-0>
3. Angleitner P, Matic A, Kaider A, Dimitrov K, Sandner S, Wiedemann D, Riebandt J, Schloglhofer T, Laufer G, Zimpfer D: Blood stream infection and outcomes in recipients of a left ventricular assist device. *Eur J Cardiothorac Surg* (2020) 58(5): 907-914; <https://doi.org/10.1093/ejcts/ezaa153>
4. Angleitner P, Stelzmueller ME, Mahr S, Kaider A, Laufer G, Ehrlich M: Bilateral or unilateral antegrade cerebral perfusion during surgery for acute type A dissection. *J Thorac Cardiovasc Surg* (2020) 159(6): 2159-2167 e2152; <https://doi.org/10.1016/j.jtcvs.2019.06.057>
5. Auinger AB, Liepins R, Kaider A, Vyskocil E, Riss D, Arnoldner C: Speech Segregation in Active Middle Ear Stimulation: Masking Release With Changing Fundamental Frequency. *Ear Hear* (2020) 42(3): 709-717; <https://doi.org/10.1097/AUD.0000000000000973>
6. Ay C, Perschy L, Rejto J, Kaider A, Pabinger I: Treatment patterns and bleeding outcomes in persons with severe hemophilia A and B in a real-world setting. *Ann Hematol* (2020) 99(12): 2763-2771; <https://doi.org/10.1007/s00277-020-04250-9>
7. Bach P, Wallisch C, Klein N, Hafermann L, Sauerbrei W, Steyerberg EW, Heinze G, Rauch G, for topic group 2 of the Si: Systematic review of education and practical guidance on regression modeling for medical researchers who lack a strong statistical background: Study protocol. *PLoS ONE* (2020) 15(12): e0241427; <https://doi.org/10.1371/journal.pone.0241427>
8. Bielez B, Reiter T, Hammerle FP, Winnicki W, Bojic M, Gleiss A, Kieweg H, Ratzinger F, Sunder-Plassmann G, Marculescu R: The Role of Iron and Erythropoietin in the Association of Fibroblast Growth Factor 23 with Anemia in Chronic Kidney Disease in Humans. *J Clin Med* (2020) 9(8): 2640; <https://doi.org/10.3390/jcm9082640>
9. Buxhofer-Ausch V, Nemet O, Sheikh M, Andrikovics H, Reiner A, Ausch C, Mechtcheriakova D, Tordai A, Gleiss A, Ozveg-Laczka C, Jager W, Thalhammer T: Two common polymorphic variants of OATP4A1 as potential risk factors for colorectal cancer. *Oncol Lett* (2020) 20(5): 252; <https://doi.org/10.3892/ol.2020.12115>
10. Demyanets S, Kaider A, Simonitsch-Klupp I, Bayer G, Subasic A, Thalhammer R, Esterbauer H, Krauth MT, Agis H, Reiter T, Schwarzingger I: Biological properties of bone marrow plasma cells influence their recovery in aspirate specimens: impact on classification of plasma cell disorders and potential bias to evaluation of treatment response. *Ann Hematol* (2020) 99(11): 2599-2609; <https://doi.org/10.1007/s00277-020-04249-2>



11. Demyanets S, Kaun C, Kaider A, Speidl W, Prager M, Oravec S, Hohensinner P, Wojta J, Rega-Kaun G: The pro-inflammatory marker soluble suppression of tumorigenicity-2 (ST2) is reduced especially in diabetic morbidly obese patients undergoing bariatric surgery. *Cardiovasc Diabetol* (2020) 19(1): 26; <https://doi.org/10.1186/s12933-020-01001-y>
12. Distelmaier K, Muqaku B, Wurm R, Arfsten H, Seidel S, Kovacs GG, Mayer RL, Szekeres T, Wallisch C, Hubner P, Goliash G, Heinze G, Heinz G, Sterz F, Gerner C, Adlbrecht C: Proteomics-Enriched Prediction Model for Poor Neurologic Outcome in Cardiac Arrest Survivors. *Crit Care Med* (2020) 48(2): 167-175; <https://doi.org/10.1097/CCM.0000000000004105>
13. Dunkler D, Haller M, Oberbauer R, Heinze G: To test or to estimate? P-values versus effect sizes. *Transpl Int* (2020) 33(1): 50-55; <https://doi.org/10.1111/tri.13535>
14. Eder M, Darmann E, Haller MC, Bojic M, Peck-Radosavljevic M, Huditz R, Bond G, Vychytil A, Reindl-Schwaighofer R, Kikic Z: Markers of potassium homeostasis in salt losing tubulopathies-associations with hyperaldosteronism and hypomagnesemia. *BMC Nephrol* (2020) 21(1): 256; <https://doi.org/10.1186/s12882-020-01905-7>
15. 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) 80(218-224); <https://doi.org/10.1016/j.ijsu.2020.05.090>
16. Ertl DA, Chen J, Gleiss A, Janu D, Sagmeister S, Raimann A, Riedl S, Haeusler G: Diagnostic Value of Serum Acid-Labile Subunit Alone and in combination with IGF-I and IGFBP-3 in the Diagnosis of Growth Hormone Deficiency. *Horm Res Paediatr* (2020) 93(6): 371-379; <https://doi.org/10.1159/000512336>
17. Feher B, Lettner S, Heinze G, Karg F, Ulm C, Gruber R, Kuchler U: An advanced prediction model for postoperative complications and early implant failure. *Clin Oral Implants Res* (2020) 31(10): 928-935; <https://doi.org/10.1111/clr.13636>
18. Gebhart J, Hofer S, Kaider A, Rejto J, Ay C, Pabinger I: The discriminatory power of bleeding assessment tools in adult patients with a mild to moderate bleeding tendency. *Eur J Intern Med* (2020) 78(34-40); <https://doi.org/10.1016/j.ejim.2020.04.023>
19. Gerendas BS, Hatz K, Kaider A, Zulewski H, Lehmann R, Montuoro A, Schmidt-Erfurth U, Prunte C: Ganglion cell layer thickening in well-controlled patients with type 1 diabetes: an early sign for diabetic retinopathy? *Acta Ophthalmol* (2020) 98(3): e292-e300; <https://doi.org/10.1111/aos.14273>
20. Grasl MC, Kremser K, Breckwoldt J, Gleiss A: Does the tutors' academic background influence the learning objectives in problem-based learning? *GMS J Med Educ* (2020) 37(1): Doc8; <https://doi.org/10.3205/zma001301>
21. Gruber ES, Jomrich G, Kaider A, Gnant M, Sahora K, Schindl M: The Prognostic Index Independently Predicts Survival in Patients with Pancreatic Ductal Adenocarcinoma Undergoing Resection. *Ann Surg Oncol* (2020) 27(6): 2017-2024; <https://doi.org/10.1245/s10434-019-08161-6>



22. Hafner J, Zadrazil M, Grisold A, Ricken G, Krenn M, Kitzmantl D, Pollreisz A, Gleiss A, Schmidt-Erfurth U: Retinal and Corneal Neurodegeneration and Their Association with Systemic Signs of Peripheral Neuropathy in Type 2 Diabetes. *Am J Ophthalmol* (2020) 209(197-205; <https://doi.org/10.1016/j.ajo.2019.09.010>
23. Haller MC, Wallisch C, Mjoen G, Holdaas H, Dunkler D, Heinze G, Oberbauer R: Predicting donor, recipient and graft survival in living donor kidney transplantation to inform pretransplant counselling: the donor and recipient linked iPREDICTLIVING tool - a retrospective study. *Transpl Int* (2020) 33(7): 729-739; <https://doi.org/10.1111/tri.13580>
24. Haller PM, Vargas KG, Haller MC, Piackova E, Wojta J, Gyongyosi M, Gersh BJ, Kiss A, Podesser BK, Huber K: Remote ischaemic conditioning for myocardial infarction or elective PCI: systematic review and meta-analyses of randomised trials. *Eur Heart J Acute Cardiovasc Care* (2020) 9(1\_suppl): 82-92; <https://doi.org/10.1177/2048872618784150>
25. Heber S, Ciotu CI, Hartner G, Gold-Binder M, Ninidze N, Gleiss A, Kress HG, Fischer MJM: TRPV1 antagonist BCTC inhibits pH 6.0-induced pain in human skin. *Pain* (2020) 161(7): 1532-1541; <https://doi.org/10.1097/j.pain.0000000000001848>
26. Heber S, Fischer B, Sallaberger-Lehner M, Hausharter M, Ocenasek H, Gleiss A, Fischer MJM, Pokan R, Assinger A, Volf I: Effects of high-intensity interval training on platelet function in cardiac rehabilitation: a randomised controlled trial. *Heart* (2020) 106(1): 69-79; <https://doi.org/10.1136/heartjnl-2019-315130>
27. Huhn EA, Linder T, Eppel D, Weisshaupt K, Klapp C, Schellong K, Henrich W, Yerlikaya-Schatten G, Rosicky I, Husslein P, Chalubinski K, Mittlbock M, Rust P, Hoesli I, Winzeler B, Jendle J, Fehm T, Icks A, Vomhof M, Greiner GG, Szendrodi J, Roden M, Tura A, Gobl CS: Effectiveness of real-time continuous glucose monitoring to improve glycaemic control and pregnancy outcome in patients with gestational diabetes mellitus: a study protocol for a randomised controlled trial. *BMJ Open* (2020) 10(11): e040498; <https://doi.org/10.1136/bmjopen-2020-040498>
28. Jank BJ, Kadletz L, Dunkler D, Haas M, Schnoell J, Kenner L, Heiduschka G: Epithelial stem cell marker LGR6 expression identifies a low-risk subgroup in human papillomavirus positive oropharyngeal squamous cell carcinoma. *Oral Oncol* (2020) 105(104657; <https://doi.org/10.1016/j.oraloncology.2020.104657>
29. Kersch-Schindl K, Tiefenbock TM, Foger-Samwald U, Payr S, Frenzel S, Marculescu R, Gleiss A, Sarahrudi K, Pietschmann P: Circulating Myostatin Levels Decrease Transiently after Implantation of a Hip Hemi-Arthroplasty. *Gerontology* (2020) 66(4): 393-400; <https://doi.org/10.1159/000507731>
30. Konig P, Jimenez K, Saletu-Zyhlarz G, Mittlbock M, Gasche C: Iron deficiency, depression, and fatigue in inflammatory bowel diseases. *Z Gastroenterol* (2020) 58(12): 1191-1200; <https://doi.org/10.1055/a-1283-6832>
31. Liepins R, Kaider A, Honeder C, Auinger AB, Dahm V, Riss D, Arnoldner C: Formant frequency discrimination with a fine structure sound coding strategy for cochlear implants. *Hear Res* (2020) 392(107970; <https://doi.org/10.1016/j.heares.2020.107970>



32. Matthewman J, Manego RZ, Dimessa Mbadanga LB, Sinkovec H, Volker K, Akinosho M, Haedrich C, Tardif d'Hamonville J, Lell B, Adegnika AA, Ramharter M, Mombo-Ngoma G: A randomized controlled trial comparing the effectiveness of individual versus household treatment for Scabies in Lambarene, Gabon. *PLoS Negl Trop Dis* (2020) 14(6): e0008423; <https://doi.org/10.1371/journal.pntd.0008423>
33. Mehic D, Hofer S, Jungbauer C, Kaider A, Haslacher H, Eigenbauer E, Rejto J, Schwartz D, Jilma B, Ay C, Pabinger I, Gebhart J: Association of ABO blood group with bleeding severity in patients with bleeding of unknown cause. *Blood Adv* (2020) 4(20): 5157-5164; <https://doi.org/10.1182/bloodadvances.2020002452>
34. Mitsch C, Pemp B, Pollreisz A, Gleiss A, Karst S, Scholda C, Sacu S, Schmidt-Erfurth U: Short-time effect of intravitreal injections on retinal vascular oxygenation and vessel diameter in patients with diabetic macular oedema or neovascular age-related macular degeneration. *Acta Ophthalmol* (2020) 98(3): e301-e308; <https://doi.org/10.1111/aos.14276>
35. Mungenast F, Meshcheryakova A, Beer A, Salzmann M, Tamandl D, Gruenberger T, Pietschmann P, Koperek O, Birner P, Kirsch I, Robins H, Mittlboeck M, Jaritz M, Bergmann M, Zimmermann P, Mechtcheriakova D: The Immune Phenotype of Isolated Lymphoid Structures in Non-Tumorous Colon Mucosa Encrypts the Information on Pathobiology of Metastatic Colorectal Cancer. *Cancers (Basel)* (2020) 12(11): <https://doi.org/10.3390/cancers12113117>
36. Osorio-Jaramillo E, Haasnoot GW, Kaider A, Schaefer AK, Haberl T, Goekler J, Angleitner P, Moayedifar R, Zuckermann A, Fischer GF, Laufer G, Claas FHJ, Aliabadi-Zuckermann AZ: Molecular-level HLA mismatch is associated with rejection and worsened graft survival in heart transplant recipients - a retrospective study. *Transpl Int* (2020) 33(9): 1078-1088; <https://doi.org/10.1111/tri.13657>
37. Poglitsch M, Geberth A, Krebs M, Langer FB, Mittlboeck M, Prager G: Plasma homocysteine after laparoscopic Roux-en-Y gastric bypass increases in the early postoperative phase but decreases in the long-term follow-up. A retrospective analysis. *Surg Obes Relat Dis* (2020) 16(3): 372-380; <https://doi.org/10.1016/j.soard.2019.11.021>
38. Pühr HC, Eisner L, Sinkovec H, Traby L, Kyrle PA, Eichinger S: Circumstances of provoked recurrent venous thromboembolism: the Austrian study on recurrent venous thromboembolism. *J Thromb Thrombolysis* (2020) 49(4): 505-510; <https://doi.org/10.1007/s11239-019-01965-z>
39. Reindl-Schwaighofer R, Heinzl A, Heinze G, Kammer M, Oberbauer R: Response to: "Biostatistics pitfalls: Lessons learned from analysis of medical data" by Yin et al. *Contemp Clin Trials* (2020) 89(105916); <https://doi.org/10.1016/j.cct.2019.105916>
40. Reitter EM, Kaider A, Prager G, Ay C, Pabinger I, Thaler J: Longitudinal analysis of extracellular vesicle-associated tissue factor activity in cancer patients. *Thromb Res* (2020) 195(215-218); <https://doi.org/10.1016/j.thromres.2020.07.041>
41. Rossler B, Goschin J, Maleczek M, Piringer F, Thell R, Mittlboeck M, Schebesta K: Providing the best chest compression quality: Standard CPR versus chest compressions only in a bystander resuscitation model. *PLoS ONE* (2020) 15(2): e0228702; <https://doi.org/10.1371/journal.pone.0228702>



42. Sandner SE, Nolz R, Loewe C, Gregorich M, Heinze G, Andreas M, Kolh P, Zimpfer D, Laufer G: Routine preoperative aortic computed tomography angiography is associated with reduced risk of stroke in coronary artery bypass grafting: a propensity-matched analysis. *Eur J Cardiothorac Surg* (2020) 57(4): 684-690; <https://doi.org/10.1093/ejcts/ezz237>
43. Sauerbrei W, Perperoglou A, Schmid M, Abrahamowicz M, Becher H, Binder H, Dunkler D, Harrell FE, Jr., Royston P, Heinze G, for TGoSi: State of the art in selection of variables and functional forms in multivariable analysis-outstanding issues. *Diagn Progn Res* (2020) 4(1): 3; <https://doi.org/10.1186/s41512-020-00074-3>
44. Schwarz C, Fitschek F, Mittlbock M, Saukel V, Bota S, Ferlitsch M, Ferlitsch A, Bodingbauer M, Kaczirek K: von Willebrand Factor Antigen Predicts Outcomes in Patients after Liver Resection of Hepatocellular Carcinoma. *Gut Liver* (2020) 14(2): 218-224; <https://doi.org/10.5009/gnl17115>
45. Sheikh Rezaei S, Gleiss A, Reichardt B, Wolzt M: Use of Clopidogrel, Prasugrel, or Ticagrelor and Patient Outcome after Acute Coronary Syndrome in Austria from 2015 to 2017. *J Clin Med* (2020) 9(11): 3398; <https://doi.org/10.3390/jcm9113398>
46. Staats K, Vertesich K, Sigmund IK, Sosa B, Kaider A, Funovics PT, Windhager R: Does a Competing Risk Analysis Show Differences in the Cumulative Incidence of Revision Surgery Between Patients with Oncologic and Non-oncologic Conditions After Distal Femur Replacement? *Clin Orthop Relat Res* (2020) 478(5): 1062-1073; <https://doi.org/10.1097/CORR.0000000000001106>
47. Steinbrecher O, Mitrovic M, Eischer L, Sinkovec H, Eichinger S, Kyrle PA: Clinical and laboratory characteristics of cyclic thrombocytopenia: an observational study. *Haematologica* (2020) 105(4): e198-e201; <https://doi.org/10.3324/haematol.2019.237909>
48. Stopp T, Feichtinger M, Rosicky I, Yerlikaya-Schatten G, Ott J, Egarter HC, Schatten C, Eppel W, Husslein P, Mittlbock M, Tura A, Gobl CS: Novel Indices of Glucose Homeostasis Derived from Principal Component Analysis: Application for Metabolic Assessment in Pregnancy. *J Diabetes Res* (2020) 2020(4950584); <https://doi.org/10.1155/2020/4950584>
49. Tendl-Schulz KA, Rossler F, Wimmer P, Heber UM, Mittlbock M, Kozakowski N, Pinker K, Bartsch R, Dubsky P, Fitzal F, Filipits M, Eckel FC, Langthaler EM, Steger G, Gnant M, Singer CF, Helbich TH, Bago-Horvath Z: Factors influencing agreement of breast cancer luminal molecular subtype by Ki67 labeling index between core needle biopsy and surgical resection specimens. *Virchows Arch* (2020) 477(4): 545-555; <https://doi.org/10.1007/s00428-020-02818-4>
50. Tian Y, Reichardt B, Dunkler D, Hronsky M, Winkelmayr WC, Bucsics A, Strohmaier S, Heinze G: Comparative effectiveness of branded vs. generic versions of antihypertensive, lipid-lowering and hypoglycemic substances: a population-wide cohort study. *Sci Rep* (2020) 10(1): 5964; <https://doi.org/10.1038/s41598-020-62318-y>
51. Traby L, Kollars M, Kaider A, Siller-Matula JM, Wolkersdorfer MF, Wolzt M, Kyrle PA, Eichinger S: Differential Effects of Ticagrelor With or Without Aspirin on Platelet Reactivity and Coagulation Activation: A Randomized Trial in Healthy Volunteers. *Clin Pharmacol Ther* (2020) 107(2): 415-422; <https://doi.org/10.1002/cpt.1616>





52. Umek W, Gleiss A, Bodner-Adler B, Reichardt B, Rinner C, Heinze G: The role of prescription drugs in female overactive bladder syndrome-A population-wide cohort study. *Pharmacoepidemiol Drug Saf* (2020) 29(2): 189-198; <https://doi.org/10.1002/pds.4920>
53. Wallisch C, Heinze G, Rinner C, Mundigler G, Winkelmayr WC, Dunkler D: Re-estimation improved the performance of two Framingham cardiovascular risk equations and the Pooled Cohort equations: A nationwide registry analysis. *Sci Rep* (2020) 10(1): 8140; <https://doi.org/10.1038/s41598-020-64629-6>
54. Wallisch C, Heinze G, Rinner C, Mundigler G, Winkelmayr WC, Dunkler D: Publisher Correction: Re-estimation improved the performance of two Framingham cardiovascular risk equations and the Pooled Cohort equations: A nationwide registry analysis. *Sci Rep* (2020) 10(1): 10778; <https://doi.org/10.1038/s41598-020-67920-8>
55. Wimmer K, Bolliger M, Bago-Horvath Z, Steger G, Kauer-Dorner D, Helfgott R, Gruber C, Moinfar F, Mittlbock M, Fitzal F: Impact of Surgical Margins in Breast Cancer After Preoperative Systemic Chemotherapy on Local Recurrence and Survival. *Ann Surg Oncol* (2020) 27(5): 1700-1707; <https://doi.org/10.1245/s10434-019-08089-x>
56. Wynants L, Van Calster B, Collins GS, Riley RD, Heinze G, Schuit E, Bonten MMJ, Dahly DL, Damen JAA, Debray TPA, de Jong VMT, De Vos M, Dhiman P, Haller MC, Harhay MO, Henckaerts L, Heus P, Kammer M, Kreuzberger N, Lohmann A, Luijken K, Ma J, Martin GP, McLernon DJ, Andaur Navarro CL, Reitsma JB, Sergeant JC, Shi C, Skoetz N, Smits LJM, Snell KIE, Sperrin M, Spijker R, Steyerberg EW, Takada T, Tzoulaki I, van Kuijk SMJ, van Bussel B, van der Horst ICC, van Royen FS, Verbakel JY, Wallisch C, Wilkinson J, Wolff R, Hooft L, Moons KGM, van Smeden M: Prediction models for diagnosis and prognosis of covid-19: systematic review and critical appraisal. *BMJ* (2020) 369(m1328); <https://doi.org/10.1136/bmj.m1328>