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Date of birth: Oct 7, 1973
 Nationality: Swiss, German
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Professional Experience

Current position

Since Oct 2017

Division Head Clinical Research Methods

I lead a group of eight academic biostatisticians giving statistical advice and conducting contractual data analysis for clinical researchers of the Medical Faculty at UZH

Previous Professional and Academic Experience

2007 – 2017

Senior Research Fellow

at the Horten Centre for Patient-Oriented Research and Knowledge Transfer, University Hospital Zurich, University of Zurich, Switzerland

2005 – 2006

Senior Statistician

Sylvia Lawry Centre for Multiple Sclerosis Research, Munich, Germany

2002 – 2004

Post Doc position

at the Institute for Medical Statistics and Epidemiology, Klinikum r.d. Isar, Technical University of Munich, Germany (Prof. Dr. A. Neiss)

Education and Academic Formation

2020

Titularprofessur, Medical Faculty, University of Zurich, Switzerland

2014

Venia legend (Habilitation) in Clinical Epidemiology and Statistics, Medical Faculty, University of Zurich, Switzerland (Privatdozentin)

2002

PhD thesis in Applied Statistics, Department of Statistics, Technical University of Dortmund, Germany (Dr. rer. nat.), Graduiertenkolleg “Angewandte Statistik”

1995 - 1996

University of Sheffield, School of Mathematics and Statistics (ERASMUS Scholarship)

1998

Master of Science, Department of Statistics, Technical University of Dortmund, Germany (MSc), Minor in Theoretical Medicine, Ruhr-Universität Bochum

Grants and Funding

SNSF – IICT Call 2021

“Phase III Randomised controlled trial comparing maintenance with the addition of local ablative treatment of patients with advanced stage IV non-small cell lung cancer (salVage-Trial)” (Role: Co-PI, 2022 – 2027, Total 1’669’157 CHF)

Swiss Cancer League

“Can preoperative smoking cessation decrease complications and increase smoking cessation in smokers undergoing cancer surgery?” (Role: Co-applicant, 2021 – 2025, Total 249’000 CHF)

DISK4U

Swissuniversities Ausschreibung «Digital Skills in der Lehre» (Role: PI, 2021 – 2024, Total 160’000 CHF)

The LOOP Zurich

“Development of a Gender-sensitive Risk Assessment Tool to Predict Short- and Long-term Outcomes of COVID-19 (COVID-GEnder: COGEN)” (Role: Co-PI, 2021 – 2022, Total 491’738 CHF)

Bundesamt für Gesundheit

Development of a concept for concomitant data collection on “Medical Cannabis Use in Switzerland”, Dec. 2020 to April 2021 (Role: PI, 30’000 CHF)

PD Vereinigung UZH	Screening and Data Extraction: Support for a Cochrane Systematic Review on Prognostic Models for Disease Progression in People with MS (Role: PI, 6'600 CHF)
University Hospital Zurich Innovationspool	“Immunological correlates of COVID-19 severity” (Role: Co-PI, 200'000 CHF)
University of Zurich: Clinical Research Priority Programme (CRPP)	“Disease Heterogeneity of Multiple Sclerosis - From Pathogenetically Distinct Phenotypes to Novel Therapies”, Total: 1.5 Mio. CHF (https://www.uzh.ch/de/research/medicine/clinic.html#24 , 2019 - 2021)
<i>Project partner role</i>	
SNSF - NFP 78 Covid-19	Enoxaparin for primary thromboprophylaxis in ambulatory patients with coronavirus: the multicenter randomized controlled ovid trial (2020 – 2022, PI Prof. Nils Kucher)
SNSF No. 184932	Altered cerebral growth and development in infants with single ventricle congenital heart disease (2020-2023, PI Prof. Dr. W. Knirsch)

Teaching Activities at UZH Medical Faculty and Faculty of Science

Since 2017	PhD Programme Clinical Science: “ Case Studies in Clinical Biostatistics ” (Module responsible) PhD Programme Epidemiology and Biostatistics: “ Methods Seminar ” Master Program Medicine UZH: Mantelstudium “ Biostatistik und Datenanalyse ” (Module responsible) Master Program Medicine UZH: Klinische Biostatistik Master Program Biostatistics UZH: STA 490 “ Statistical Consulting ” Master Program Medicine UZH: Mantelstudium “ Klinische Epidemiologie ”
2007-2017	

Reviewer work and Memberships

Reviewer Work	I have been a reviewer for clinical as well as methodological journals: Nature Communications, BMJ Open, Plos One, BMC Rheumatology, BMC Health Services Research, BMC Medical Informatics and Decision Making, BMC Pregnancy and Childbirth, Epidemiology and Infection, Journal of Clinical Epidemiology, Journal of Orofacial Pain, The Surgeon, Frontiers in Psychiatry, Biometrical Journal, Annals of Applied Statistics, Statistical Methods in Medical Research
Data safety and monitoring board (DSMB) member	Statin discontinuation as prevention among the elderly and multimorbid ≥ 75 (STREAM-75)

Memberships

Since 2020	Member of the Cochrane Collaboration
Since 2018	Fellow of the Center for Reproducible Science at the University of Zurich (UZH)
Since 2013	Member of the International Biometric Society, Region Austria and Switzerland (IBS-ROeS)

Career breaks

07/2008 – 07/2009	Working employment: 20% FTE, birth of my son on July 3, 2008
11/2005 – 12/2006	Working employment: 50% FTE, birth of my son on Nov 22, 2005
05/2003 – 12/2003	Working employment: 40% FTE, birth of my daughter on May 9, 2003

Ulrike Held

Ulrike Held, June 2022

Publications

Google Scholar

https://scholar.google.ch/citations?view_op=search_authors&mauthors=held+ulrike&hl=de&oi=ao

ORCID

<https://orcid.org/0000-0003-3105-5840>**Peer reviewed publications in international scientific journals (2017 – 2022)**

H-index: 44, since 2017: 35

Number of peer reviewed papers 2017-2022: 75

Publications directly relevant for this research proposal are marked (*)

Hänsel M, Steigmiller K, Luft AR, Gebhard C, **Held U**, Wegener S. Neurovascular disease in Switzerland: 10-year trends show non-traditional risk factors on the rise and higher exposure in women. *Eur J Neurol*. 2022 Jun 6. doi: 10.1111/ene.15434. Epub ahead of print. PMID: 35661347.

Sahin U, Reeve K, Tochtermann G, Kilanowski K, Navarini A, Imhof L, **Held U**, Hofbauer GFL. HautTief Multidisciplinary Educational Program for Patients with Psoriasis or Atopic Dermatitis: A Randomized Controlled Study. *Dermatology*. 2022 May 9:1-10. doi: 10.1159/000524225. Epub ahead of print. PMID: 35533665.

* Wirth A, Goetschi A, **Held U**, Sendoel A, Stuessi-Helbling M, Huber LC. External Validation of the Modified 4C Deterioration Model and 4C Mortality Score for COVID-19 Patients in a Swiss Tertiary Hospital. *Diagnostics (Basel)*. 2022 May 3;12(5):1129. doi: 10.3390/diagnostics12051129. PMID: 35626285; PMCID: PMC9139628.

Peter N, Huber A, Egli S, **Held U**, Steigmiller K, Rössli C. Retrospective Investigation of Contralateral Hearing Thresholds of Patients With Sporadic Vestibular Schwannoma. *Otolaryngol Head Neck Surg*. 2022 May;166(5):933-942. doi: 10.1177/01945998211033570. Epub 2021 Aug 3. PMID: 34340628.

Barco S, Sebastian T, Voci D, Engelberger RP, Grigorean A, Holy E, Leeger C, Münger M, Périard D, Probst E, Spescha R, **Held U**, Kucher N. Major adverse limb events in patients with femoro-popliteal and below-the-knee peripheral arterial disease treated with either sirolimus-coated balloon or standard uncoated balloon angioplasty: a structured protocol summary of the "SirPAD" randomized controlled trial. *Trials*. 2022 Apr 21;23(1):334. doi: 10.1186/s13063-022-06242-8. PMID: 35449070; PMCID: PMC9027348.

Heinz P, Wendel-Garcia PD, **Held U**. Impact of the matching algorithm on the treatment effect estimate: A neutral comparison study. *Biom J*. 2022 Apr 6. doi: 10.1002/bimj.202100292. Epub ahead of print. PMID: 35385172.

Krinke E, **Held U**, Steigmiller K, Felmingham K, Kleim B. Sex hormones and cortisol during experimental trauma memory consolidation: Prospective association with intrusive memories. *Eur J Psychotraumatol*. 2022 Mar 31;13(1):2040818. doi: 10.1080/20008198.2022.2040818. PMID: 35386732; PMCID: PMC8979510.

Benz LD, Bode PK, Brandt S, Grass B, Hagmann C, Liamlahi R, Frey B, **Held U**, Brotschi B. Placental findings are not associated with neurodevelopmental outcome in neonates with hypoxic-ischemic encephalopathy - an 11-year single-center experience. *J Perinat Med*. 2021 Oct 21;50(3):343-350. doi:10.1515/jpm-2020-0583. PMID: 34670032.

Held U, Steigmiller K, Hediger M, Cammann VL, Garaiman A, Halvachizadeh S, Losdat S, West EA, Gosteli M, Reeve KA, von Felten S, Furrer E. The incremental value of the contribution of a biostatistician to the reporting quality in health research-A retrospective, single center, observational cohort study. *PLoS One*. 2022 Mar 4;17(3):e0264819. doi: 10.1371/journal.pone.0264819. PMID: 35245326; PMCID: PMC8896706.

Hellwig L, Brada M, **Held U**, Hagmann C, Bode P, Frontzek K, Frey B, Brotschi B, Grass B. Association of perinatal sentinel events, placental pathology and cerebral MRI in neonates with hypoxic-ischemic encephalopathy receiving therapeutic hypothermia. *J Perinatol*. 2022 Feb 28. doi: 10.1038/s41372-022-01356-y. Epub ahead of print. PMID: 35228682.

LeBlanc M, Rueegg CS, Bekiroğlu N, Esterhuizen TM, Fagerland MW, Falk RS, Frøslie KF, Graf E, Heinze G, **Held U**, Holst R, Lange T, Mazumdar M, Myrberg IH, Posch M, Sergeant JC, Vach W, Vance EA, Weedon-Fekjaer H, Zucknick M. Statistical advising: Professional development opportunities for the biostatistician. *Stat Med*. 2022 Feb 28;41(5):847-859. doi: 10.1002/sim.9290. PMID: 35194815.

Faes L, Sim DA, van Smeden M, **Held U**, Bossuyt PM, Bachmann LM. Artificial Intelligence and Statistics: Just the Old Wine in New Wineskins? *Front Digit Health*. 2022 Jan 26;4:833912. doi: 10.3389/fdgh.2022.833912. PMID: 35156082; PMCID: PMC8825497.

Bays A, Stieger A, **Held U**, Hofer LJ, Rasmussen-Barr E, Brunner F, Steurer J, Wertli MM. The influence of comorbidities on the treatment outcome in symptomatic lumbar spinal stenosis: A systematic review and meta-analysis. *N Am Spine Soc J*. 2021 Jun 2;6:100072. doi: 10.1016/j.xnsj.2021.100072. PMID: 35141637; PMCID: PMC8820012.

* Cervia C, Zurbuchen Y, Taeschler P, Ballouz T, Menges D, Hasler S, Adamo S, Raeber ME, Bächli E, Rudiger A, Stüssi-Helbling M, Huber LC, Nilsson J, **Held U**, Puhan MA, Boyman O. Immunoglobulin signature predicts risk of post-acute COVID-19 syndrome. *Nat Commun*. 2022 Jan 25;13(1):446. doi: 10.1038/s41467-021-27797-1. PMID: 35078982; PMCID: PMC8789854.

Feldmann M, Bataillard C, Ehrler M, Ullrich C, Knirsch W, Gosteli-Peter MA, **Held U**, Latal B. Cognitive and Executive Function in Congenital Heart Disease: A Meta-analysis. *Pediatrics*. 2021 Oct;148(4):e2021050875. doi: 10.1542/peds.2021-050875. Epub 2021 Sep 24. PMID: 34561266.

Wendel Garcia PD, Hilty MP, **Held U**, Kleinert EM, Maggiorini M. Cytokine adsorption in severe, refractory septic shock. *Intensive Care Med*. 2021 Nov;47(11):1334-1336. doi: 10.1007/s00134-021-06512-0. Epub 2021 Sep 1. PMID: 34471938; PMCID: PMC8409473.

Trojan A, Leuthold N, Thomssen C, Rody A, Winder T, Jakob A, Egger C, **Held U**, Jackisch C. The Effect of Collaborative Reviews of Electronic Patient-Reported Outcomes on the Congruence of Patient- and Clinician-Reported Toxicity in Cancer Patients Receiving Systemic Therapy: Prospective, Multicenter, Observational Clinical Trial. *J Med Internet Res*. 2021 Aug 5;23(8):e29271. doi: 10.2196/29271. PMID: 34383675; PMCID: PMC8380582.

Peter N, Huber A, Egli S, **Held U**, Steigmiller K, Rössli C. Retrospective Investigation of Contralateral Hearing Thresholds of Patients With Sporadic Vestibular Schwannoma. *Otolaryngol Head Neck Surg*. 2021 Aug 3:1945998211033570. doi: 10.1177/01945998211033570. Epub ahead of print. PMID: 34340628.

Kanku MS, Sele S, **Held U**, Jaggi GP, Landau K, Traber GL. Cyclotorsion Measurement on Scanning Laser Ophthalmoscopy Imaging Compared With Fundus Photography in Patients With Fourth Nerve Palsy and Healthy Controls: CySLO-IV Study. *J Neuroophthalmol*. 2021 Dec 1;41(4):e612-e618. doi: 10.1097/WNO.0000000000000996. PMID: 34259434.

Westphal LP, Lohaus N, Winkhofer S, Manzolini C, **Held U**, Steigmiller K, Hamann JM, El Amki M, Dobrocky T, Panos LD, Kaesmacher J, Fischer U, Heldner MR, Luft AR, Gralla J, Arnold M, Wiest R, Wegener S. Circle of Willis variants and their association with outcome in patients with middle cerebral artery-M1-occlusion stroke. *Eur J Neurol*. 2021 Nov;28(11):3682-3691. doi: 10.1111/ene.15013. Epub 2021 Aug 6. PMID: 34233384; PMCID: PMC8596978.

Akeret K, Buzzi RM, Schaer CA, Thomson BR, Vallelian F, Wang S, Willms J, Sebök M, **Held U**, Deuel JW, Humar R, Regli L, Keller E, Hugelshofer M, Schaer DJ. Cerebrospinal fluid hemoglobin drives subarachnoid hemorrhage-related secondary brain injury. *J Cereb Blood Flow Metab*. 2021 Nov;41(11):3000-3015. doi: 10.1177/0271678X211020629. Epub 2021 Jun 8. PMID: 34102922; PMCID: PMC8545037.

Schmid FA, **Held U**, Eberli D, Pape HC, Halvachizadeh S. Erectile dysfunction and penile rehabilitation after pelvic fracture: a systematic review and meta-analysis. *BMJ Open*. 2021 May 28;11(5):e045117. doi: 10.1136/bmjopen-2020-045117. PMID: 34049910; PMCID: PMC8166614.

Ho MJ, **Held U**, Steigmiller K, Manoliu A, Schiller A, Hinzpeter R, Lanz C, Martinoli C, Jung HH, Petersen JA. Comparison of electrodiagnosis, neurosonography and MR neurography in localization of ulnar neuropathy at the elbow. *J Neuroradiol*. 2022 Jan;49(1):9-16. doi: 10.1016/j.neurad.2021.05.004. Epub 2021 May 21. PMID: 34023361.

Terrapon APR, Zattra CM, Voglis S, Velz J, Vasella F, Akeret K, **Held U**, Schiavolin S, Bozinov O, Ferroli P, Broggi M, Sarnthein J, Regli L, Neidert MC. Adverse Events in Neurosurgery: The Novel Therapy-Disability-Neurology Grade. *Neurosurgery*. 2021 Jul 15;89(2):236-245. doi: 10.1093/neuros/nyab121. PMID: 33887774.

* Zehnder P, **Held U**, Pigott T, Luca A, Loibl M, Reitmeir R, Fekete T, Haschtmann D, Mannion AF. Development of a model to predict the probability of incurring a complication during spine surgery. *Eur Spine J*. 2021 Mar 9. doi: 10.1007/s00586-021-06777-5 Epub ahead of print. PMID: 33686535

Cervia C, Nilsson J, Zurbuchen Y, Valaperti A, Schreiner J, Wolfensberger A, Raeber ME, Adamo S, Weigang S, Emmenegger M, Hasler S, Bosshard PP, De Cecco E, Bächli E, Rudiger A, Stüssi-Helbling M, Huber LC, Zinkernagel AS, Schaer DJ, Aguzzi A, Kochs G, **Held U**, Probst-Müller E, Rampini SK, Boyman O. Systemic and mucosal antibody responses specific to SARS-CoV-2 during mild versus severe COVID-19. *J Allergy Clin Immunol*. 2020 Nov 20;S0091-6749(20)31623-7. doi: 10.1016/j.jaci.2020.10.040. Epub ahead of print. PMID: 33221383; PMCID: PMC7677074.

* Ehram JP, **Held U**, Opitz I, Inci I. A new lung donor score to predict short and long-term survival in lung transplantation. *J Thorac Dis*. 2020 Oct;12(10):5485-5494. doi: 10.21037/jtd-20-2043. PMID: 33209382; PMCID: PMC7656336.

- * Begum Irmak On Seker, Kelly Reeve, Joachim Havla, Jacob Burns, Martina A Gosteli, Andreas Lutterotti, Sven Schippling, Ulrich Mansmann, **Ulrike Held**. Prognostic models for predicting clinical disease progression, worsening and activity in people with multiple sclerosis. *Cochrane Database of Systematic Reviews: Review Protocol*. <https://doi.org/10.1002/14651858.CD013606>
- Held U**, Steigmiller K, Hediger M, Gosteli M, Reeve KA, von Felten S, Furrer E. Is reporting quality in medical publications associated with biostatisticians as co-authors? A registered report protocol. *PLoS One*. 2020 Nov 6;15(11):e0241897. doi: 10.1371/journal.pone.0241897. PMID: 33156885; PMCID: PMC7647072.
- Utzinger KS, **Held U**, Hanscheid T, Gültekin N, Fehr J, Grobusch MP, Schlagenhaut P. Self-diagnosis and self-treatment of *Plasmodium* spp. Infection by travellers (1989-2019): A systematic review and meta-analysis. *Travel Med Infect Dis*. 2020 Nov-Dec;38:101902. doi: 10.1016/j.tmaid.2020.101902. Epub 2020 Oct 23. PMID: 33132136.
- Fischer F, Buxy S, Kurz DJ, Eberli FR, Senn O, Zbinden R, **Held U**, Meyer MR. Efficacy and Safety of Abbreviated Eptifibatid Treatment in Patients With ST-Segment Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention. *Am J Cardiol*. 2021 Jan 15;139:15-21. doi: 10.1016/j.amjcard.2020.09.054. Epub 2020 Oct 13. PMID: 33065082.
- Blumer M, Pejicic R, Gander T, Johnner JP, **Held U**, Wagner ME. Customized Titanium Reconstruction of Orbital Fractures Using a Mirroring Technique for Virtual Reconstruction and 3D Model Printing. *J Oral Maxillofac Surg*. 2021 Jan;79(1):200.e1-200.e9. doi: 10.1016/j.joms.2020.09.001. Epub 2020 Sep 6. PMID: 33010215.
- Burgstaller JM, **Held U**, Signorelli A, Blozik E, Steurer J, Wertli MM. Increased risk of adverse events in non-cancer patients with chronic and high-dose opioid use-A health insurance claims analysis. *PLoS One*. 2020 Sep 14;15(9):e0238285. doi: 10.1371/journal.pone.0238285. PMID: 32925928; PMCID:PMC7489518.
- Barco S, Bingisser R, Colucci G, Frenk A, Gerber B, **Held U**, Mach F, Mazzolai L, Righini M, Rosemann T, Sebastian T, Spescha R, Stortecky S, Windecker S, Kucher N. Enoxaparin for primary thromboprophylaxis in ambulatory patients with coronavirus disease-2019 (the OVID study): a structured summary of a study protocol for a randomized controlled trial. *Trials*. 2020 Sep 9;21(1):770. doi:10.1186/s13063-020-04678-4. PMID: 32907635; PMCID: PMC7479300.
- Naduvathumuriyil T, **Held U**, Steigmiller K, Denegri A, Cantatore S, Obeid S, Flammer AJ, Ruschitzka F, Lüscher TF, Sudano I. Clinical benefits and safety of renal denervation in severe arterial hypertension: A long-term follow-up study. *J Clin Hypertens (Greenwich)*. 2020 Oct;22(10):1854-1864. doi: 10.1111/jch.14005. Epub 2020 Sep 3. PMID: 32882101.
- Roeder M, Bradicich M, Schwarz EI, Thiel S, Gaisl T, **Held U**, Kohler M. Night-to-night variability of respiratory events in obstructive sleep apnoea: a systematic review and meta-analysis. *Thorax*. 2020 Dec;75(12):1095-1102. doi: 10.1136/thoraxjnl-2020-214544. Epub 2020 Aug 13. PMID: 32792405.
- Jukema GN, Farokhzad F, Volbracht J, Steigmiller K, **Held U**, Bretscher B, Jucker F, Pape HC. Care Management für Polytrauma-Patientinnen und -Patienten in einem überregionalen Level-1- Traumazentrum [Care Management for Polytrauma Patients in a Level-1 Trauma Centre]. *Praxis (Bern 1994)*. 2020;109(13):1039-1049. German. doi: 10.1024/1661-8157/a003532. Epub 2020 Aug 13. PMID: 32787532.
- Westphal LP, Widmer R, **Held U**, Steigmiller K, Hametner C, Ringleb P, Curtze S, Martinez-Majander N, Tiainen M, Nolte CH, Scheitz JF, Erdur H, Polymeris AA, Traenka C, Eskandari A, Michel P, Heldner MR, Arnold M, Zini A, Vandelli L, Coutinho JM, Groot AE, Padjen V, Jovanovic DR, Bejot Y, Brenière C, Turc G, Seners P, Pezzini A, Magoni M, Leys D, Gilliot S, Scherrer MJ, Kägi G, Luft AR, Gensicke H, Nederkoorn P, Tatlisumak T, Engelter ST, Wegener S; Thrombolysis in Ischemic Stroke Patients (TRISP) Study Group. Association of prestroke metformin use, stroke severity, and thrombolysis outcome. *Neurology*. 2020 Jul 28;95(4):e362-e373. doi: 10.1212/WNL.0000000000009951. Epub 2020 Jun 29. PMID: 32601121.
- Riesterer O, Pruschy M, Bender S, Sharma A, Bogowicz M, Tanadini-Lang S, Stieb S, Bertogg K, Weber S, Ikenberg K, Huber G, Schmid S, Bredell M, Veit-Haibach P, Rordorf T, **Held U**, Glanzmann C, Studer G. Consolidation cetuximab after concurrent triplet radiochemotherapy+cetuximab in patients with advanced head and neck cancer: A randomized phase II study. *Radiother Oncol*. 2020 Sep;150:62-69. doi: 10.1016/j.radonc.2020.06.011. Epub 2020 Jun 12. PMID: 32540337.
- Schnider B, Disselhoff V, **Held U**, Latal B, Hagmann CF, Wehrle FM. Executive function deficits mediate the association between very preterm birth and behavioral problems at school-age. *Early Hum Dev*. 2020 Jul;146:105076. doi: 10.1016/j.earlhumdev.2020.105076. Epub 2020 May 16. PMID: 32470766.
- Burgstaller JM, **Held U**, Gravestock I, Klausner BS, Gort LM, Melzer L, Hasler S, Bierreth TD, Müller SE, Steurer J, Wertli MM. Datasets describing the introduction of the high-sensitive troponin in the emergency department. *Data Brief*. 2020 Apr 8;30:105481. doi: 10.1016/j.dib.2020.105481. PMID: 32322624; PMCID: PMC7160515.
- * Grass B, Scheidegger S, Latal B, Hagmann C, **Held U**, Brotschi B; National Asphyxia and Cooling Register Group; Follow-up Group. Short-term neurological improvement in neonates with hypoxic-ischemic encephalopathy predicts neurodevelopmental outcome at 18-24 months. *J Perinat Med*. 2020 Mar 26;48(3):296-303. doi: 10.1515/jpm-2019-0391. PMID: 32069247.

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- Burgstaller JM, **Held U**, Gravestock I, Klauser BS, Gort LM, Melzer L, Hasler S, Bierreth TD, Müller SE, Steurer J, Wertli MM. Impact of the Introduction of High-Sensitive Troponin Assay in the Emergency Department: A Retrospective Study. *Am J Med*. 2020 Aug;133(8):976-985. doi: 10.1016/j.amjmed.2019.12.029. Epub 2020 Jan 24. PMID: 31987803.
- Haslbeck FB, Jakab A, **Held U**, Bassler D, Bucher HU, Haggmann C. Creative music therapy to promote brain function and brain structure in preterm infants: A randomized controlled pilot study. *Neuroimage Clin*. 2020;25:102171. doi:10.1016/j.nicl.2020.102171. Epub 2020 Jan 13. PMID: 31972397; PMCID: PMC6974781.
- Häberling I, Berger G, Schmeck K, **Held U**, Walitza S. Omega-3 Fatty Acids as a Treatment for Pediatric Depression. A Phase III, 36 Weeks, Multi-Center, Double-Blind, Placebo-Controlled Randomized Superiority Study. *Front Psychiatry*. 2019 Nov 27;10:863. doi: 10.3389/fpsy.2019.00863. PMID: 31827448; PMCID: PMC6892434.
- Wertli MM, **Held U**, Signorell A, Steurer J, Blozik E, Burgstaller JM. Opioid Prescription in Switzerland: Appropriate Comedication use in Cancer and Noncancer Pain. *Pain Physician*. 2019 Nov;22(6):537-548. PMID: 31775398.
- * Pregernig A, Müller M, **Held U**, Beck-Schimmer B. Prediction of mortality in adult patients with sepsis using six biomarkers: a systematic review and meta-analysis. *Ann Intensive Care*. 2019 Nov 8;9(1):125. doi: 10.1186/s13613-019-0600-1. PMID: 31705327; PMCID: PMC6841861.
- Osterhoff G, Noser J, **Held U**, Werner CML, Pape HC, Dietrich M. Early Operative Versus Nonoperative Treatment of Fragility Fractures of the Pelvis: A Propensity-Matched Multicenter Study. *J Orthop Trauma*. 2019 Nov;33(11):e410-e415. doi: 10.1097/BOT.0000000000001584. PMID: 31633644.
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- Mauf S, **Held U**, Gascho D, Baumeister R, Flach P, Nguyen-Kim TD, Thali MJ, Jentzsch T. Flat chest projection in the detection and visualization of rib fractures: A cross-sectional study comparing curved and multiplanar reformation of computed tomography images in different reader groups. *Forensic Sci Int*. 2019 Oct;303:109942. doi: 10.1016/j.forsciint.2019.109942. Epub 2019 Sep 12. PMID: 31586908.
- Haeberlin MI, **Held U**, Baumgartner RW, Georgiadis D, Valko PO. Impact of intravenous thrombolysis on functional outcome in patients with mild ischemic stroke without large vessel occlusion or rapidly improving symptoms. *Int J Stroke*. 2020 Jun;15(4):429-437. doi: 10.1177/1747493019874719. Epub 2019 Sep 12. PMID: 31514684.
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