



Kantonsspital
St.Gallen

Wissenschaftliche Publikationen 2020



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Kantonsspital St.Gallen – Publikationen

Am Kantonsspital St.Gallen wird klinische Forschung und translationale Grundlagenforschung auf hohem Niveau betrieben. Die Ergebnisse der Studien und Forschungsprojekte werden an wissenschaftlichen Kongressen präsentiert und in wissenschaftlichen Journals publiziert. Um die Öffentlichkeit und die Fachwelt über die Forschungsaktivitäten am Kantonsspital St.Gallen zu informieren, werden die Publikationen in der Forschungs- und Studiendatenbank systematisch erfasst und ausgewertet (www.forschung.kssg.ch).

Im Jahr 2020 wurden 501 Publikationen mit Beteiligung von Forschenden des Kantonsspitals St.Gallen veröffentlicht. Dies ist die höchste jemals erreichte Publikationsleistung. Von diesen Arbeiten wurden 433 in Journals mit Einflussfaktor (auch Impact Factor genannt) publiziert (Abb. 1). Der Einflussfaktor einer Fachzeitschrift gibt an, wie oft ein Artikel aus dieser Zeitschrift innerhalb von zwei Jahren in anderen Artikeln zitiert wird. Für die Berechnung des mittleren Einflussfaktors der Publikationen des Kantonsspital St.Gallen 2020, wurden Daten des Journal Citation Reports (Clarivate Analytics) aus dem Jahr 2019 verwendet.

Die Analyse des mittleren Einflussfaktors pro Publikation ergab 5.7. In Abb. 2 sind die Daten der Jahre 2018 – 2020 gezeigt.

Die Auswertung der Publikationsdaten nach Medizinischen Departementen zeigt (Abb. 3), dass in allen Disziplinen intensiv geforscht und publiziert wird. In Abbildung 3 ist die Publikationstätigkeit der Jahre 2018 – 2020 in den einzelnen Departementen gezeigt. Detaillierte Auswertungen können beim Medizinischen Forschungszentrum (MFZ) angefordert werden. Durch interdisziplinäre Zusammenarbeiten sind die Summen der Publikationen höher als jene aus Abb. 1 und 2.

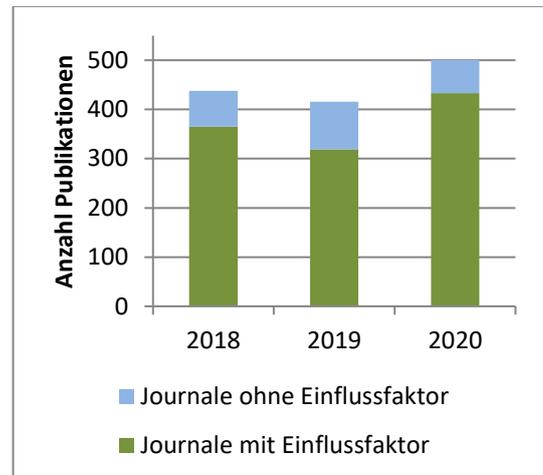


Abb. 1.: Anzahl der Publikationen in Journals mit oder ohne Einflussfaktor in den Jahren 2018 – 2020

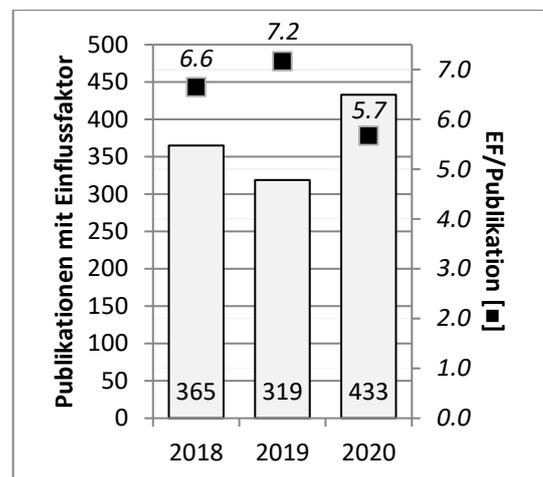


Abb. 2.: Mittlere Qualität der Publikationen gemessen als durchschnittlicher Einflussfaktor (EF) pro Veröffentlichung

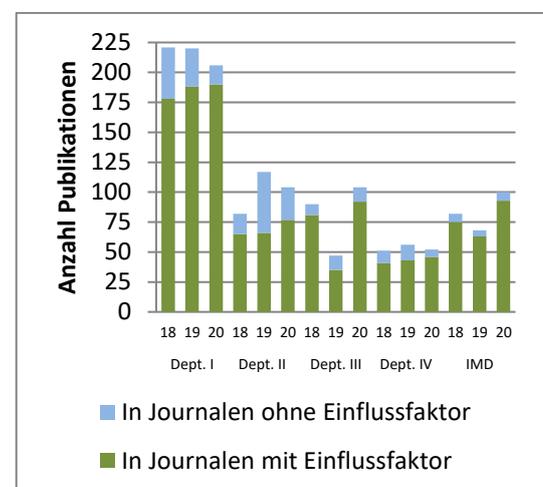


Abb. 3.: Publikationsstatistik in den Departementen I-IV und IMD in den Jahren 2018 – 2020

Dept. I

Allgemeine Innere Medizin | Hausarztmedizin

Wissenschaftlicher Artikel/Review

1. Baerlocher L. The influence of time-management on medical resident's perceived stress scale and overtime: A tertiary care hospital experience from Switzerland. *Arch Med Health Sci* 2020; 2020;8:306-11:.
2. Baumgartner A, Hasenboehler F, Cantone J, Hersberger L, Bargetzi A, Bargetzi L, Kaegi-Braun N, Tribolet P, Gomes F, Hoess C, Pavlicek V, Bilz S, Sigrist S, Brändle M, Henzen C, Thomann R, Rutishauser J, Aujesky D, Rodondi N, Donzé J, Stanga Z, Mueller B, Schuetz P. Effect of nutritional support in patients with lower respiratory tract infection: Secondary analysis of a randomized clinical trial. *Clin Nutr* 2020;.
3. Kaegi-Braun N, Tribolet P, Gomes F, Fehr R, Baechli V, Geiser M, Deiss M, Kutz A, Bregenzer T, Hoess C, Pavlicek V, Schmid S, Bilz S, Sigrist S, Brändle M, Benz C, Henzen C, Mattmann S, Thomann R, Rutishauser J, Aujesky D, Rodondi N, Donzé J, Stanga Z, Mueller B, Schuetz P. Six-month outcomes after individualized nutritional support during the hospital stay in medical patients at nutritional risk: Secondary analysis of a prospective randomized trial. *Clin Nutr* 2020;.
4. Maranta A F, Broder S, Fritzsche C, knauer m, Thürlimann B, Jochum W, ruhstaller t. Do YOU know the Ki-67 index of your breast cancer patients? Knowledge of your institution's Ki-67 index distribution and its robustness is essential for decision-making in early breast cancer. *Breast* 2020; 51:120-126.
5. Merker M, Felder M, Gueissaz L, Bolliger R, Tribolet P, Kägi-Braun N, Gomes F, Hoess C, Pavlicek V, Bilz S, Sigrist S, Brändle M, Henzen C, Thomann R, Rutishauser J, Aujesky D, Rodondi N, Donzé J, Stanga Z, Mueller B, Schuetz P. Association of Baseline Inflammation With Effectiveness of Nutritional Support Among Patients With Disease-Related Malnutrition: A Secondary Analysis of a Randomized Clinical Trial. *JAMA Netw Open* 2020; 3:e200663.
6. Schoeb M, Räss A, Frei N, Aczel S, Brändle M, Bilz S. High Risk of Hypophosphatemia in Patients with Previous Bariatric Surgery Receiving Ferric Carboxymaltose: A Prospective Cohort Study. *Obes Surg* 2020; 30:2659-2666.
7. Stoller M, Böhler A, Bloch N, Seiler C, Heg D, Branca M, Roten L. Effect of acute myocardial ischemia on inferolateral early repolarization. *Heart Rhythm* 2020; 17:922-930.
8. Zumbrunn B, Stalder O, Limacher A, Ballmer P E, Bassetti S, Battegay E, Beer J H, Brändle M, Genné D, Hayoz D, Henzen C, Huber L C, Petignat P A, Reny J L, Vollenweider P, Aujesky D. The well-being of Swiss general internal medicine residents. *Swiss Med Wkly* 2020; 150:w20255.

Angiologie

Wissenschaftlicher Artikel/Review

1. Baumer A, Hundsberger T. Akutes Karpaltunnelsyndrom durch Thrombose einer persistierenden Arteria mediana. *Swiss medical forum* 2020; 20:86-88.

Endokrinologie | Diabetologie | Osteologie | Stoffwechselerkrankungen

Wissenschaftlicher Artikel/Review

1. Baumgartner A, Hasenboehler F, Cantone J, Hersberger L, Bargetzi A, Bargetzi L, Kaegi-Braun N, Tribolet P, Gomes F, Hoess C, Pavlicek V, Bilz S, Sigrist S, Brändle M, Henzen C, Thomann R, Rutishauser J, Aujesky D, Rodondi N, Donzé J, Stanga Z, Mueller B, Schuetz P. Effect of nutritional support in patients with lower respiratory tract infection: Secondary analysis of a randomized clinical trial. *Clin Nutr* 2020;.
2. Galeazzi Rech A L, Stüve Y, Toepfer A, schimke k. Missing the boat: fatal ending to a missed case of Charcot arthropathy. *Endocrinol Diabetes Metab Case Rep* 2020; 2020:.
3. Kaegi-Braun N, Tribolet P, Gomes F, Fehr R, Baechli V, Geiser M, Deiss M, Kutz A, Bregenzer T, Hoess C, Pavlicek V, Schmid S, Bilz S, Sigrist S, Brändle M, Benz C, Henzen C, Mattmann S, Thomann R, Rutishauser J, Aujesky D, Rodondi N, Donzé J, Stanga Z, Mueller B, Schuetz P. Six-month outcomes after individualized nutritional support during the hospital stay in medical patients at nutritional risk: Secondary analysis of a prospective randomized trial. *Clin Nutr* 2020;.
4. Merker M, Felder M, Gueissaz L, Bolliger R, Tribolet P, Kägi-Braun N, Gomes F, Hoess C, Pavlicek V, Bilz S, Sigrist S, Brändle M, Henzen C, Thomann R, Rutishauser J, Aujesky D, Rodondi N, Donzé J, Stanga Z, Mueller B, Schuetz P. Association of Baseline Inflammation With Effectiveness of Nutritional Support Among Patients With Disease-Related Malnutrition: A Secondary Analysis of a Randomized Clinical Trial. *JAMA Netw Open* 2020; 3:e200663.
5. Schöb M, Hamdy N A T, Malgo F, Winter E M, Appelman-Dijkstra N M. Added Value of Impact Microindentation in the Evaluation of Bone Fragility: A Systematic Review of the Literature. *Front Endocrinol (Lausanne)* 2020; 11:15.
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7. Schoeb M, Räss A, Frei N, Aczel S, Brändle M, Bilz S. High Risk of Hypophosphatemia in Patients with Previous Bariatric Surgery Receiving Ferric Carboxymaltose: A Prospective Cohort Study. *Obes Surg* 2020; 30:2659-2666.
8. Sculier D, Wandeler G, Yerly S, Marinosci A, Stoeckle M, Bernasconi E, Braun D L, Veraguth K, Cavassini M, Buzzi M, Metzner K J, Decosterd L A, Günthard H F, Schmid P, Limacher A, Egger M, Calmy A, and the Swiss HIV Cohort Study (SHCS) . Efficacy and safety of dolutegravir plus emtricitabine versus standard ART for the maintenance of HIV-1 suppression: 48-week results of the factorial, randomized, non-inferiority SIMPL'HIV trial. *PLoS Med* 2020; 17:e1003421.
9. Zumbrunn B, Stalder O, Limacher A, Ballmer P E, Bassetti S, Battegay E, Beer J H, Brändle M, Genné D, Hayoz D, Henzen C, Huber L C, Petignat P A, Reny J L, Vollenweider P, Aujesky D. The well-being of Swiss general internal medicine residents. *Swiss Med Wkly* 2020; 150:w20255.

Gastroenterologie | Hepatologie

Wissenschaftlicher Artikel/Review

1. Baumann P. Awareness of Stroke Risk after TIA in Swiss General Practitioners and Hospital Physicians. *PLoS One* 2020;.

2. Bertolini R, Bode P K, Sawatzki M. Unusual colonic polyp in a young woman. *Gastroenterology* 2020;.
3. Braun D L, Hampel B, Ledergerber B, Grube C, Nguyen H, Künzler-Heule P, Shah C, Salazar-Vizcaya L, Conen A, Flepp M, Stöckle M, Béguelin C, Schmid P, Rougemont M, Delaloye J, Bernasconi E, Nicca D, Böni J, Rauch A, Kouyos R D, Günthard H F, Fehr J S. A treatment as prevention trial to eliminate hepatitis C among men who have sex with men living with HIV in the Swiss HIV Cohort Study. *Clin Infect Dis* 2020;.
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6. Kukiolka T, Borovicka J, baumeler s, Schiesser M, Gubler C. Bouveret's Syndrome - Case Series with Therapeutic Implications. *Z Gastroenterol* 2020; 58:352-356.
7. Lins C, Bucher C, Sawatzki M, Neuweiler J, Kohler P. A 67-year-old Man With Dysphagia and Weight Loss After Travel to Southeast Asia : Disseminated histoplasmosis. *Clinical Infectious Diseases* 2020; 712:710-713.
8. Misselwitz B, Juillerat P, sulz m, Siegmund B, Brand S, Swiss IBDnet, an official working group of the Swiss Society of Gastroenterology . Emerging Treatment Options in Inflammatory Bowel Disease: Janus Kinases, Stem Cells, and More. *Digestion* 2020; 101 Suppl 1:69-82.
9. Sawatzki M, Güller U, Güsewell S, Husarik D, Semela D, Brand S. Contrast-enhanced ultrasound can guide the therapeutic strategy by improving the detection of colorectal liver metastases. *Journal of Hepatology* 2020; online:.
10. Schnitzler F, Friedrich M, Angelberger M, Diegelmann J, Stallhofer J, Wolf C, Dütschler J, Truniger S, Olszak T, Beigel F, Tillack C, Lohse P, Brand S. Development of a uniform, very aggressive disease phenotype in all homozygous carriers of the NOD2 mutation p.Leu1007fsX1008 with Crohn's disease and active smoking status resulting in ileal stenosis requiring surgery. *PLoS One* 2020; 15:e0236421.
11. Schreiner P, Mueller N J, Fehr J, Maillard M H, Brand S, Michetti P, Schoepfer A, Restellini S, Vulliemoz M, Vavricka S R, Juillerat P, Rogler G, Biedermann L. Varicella zoster virus in inflammatory bowel disease patients: what every gastroenterologist should know. *J Crohns Colitis* 2020;.
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13. Semmo N, Müllhaupt B, Ruckstuhl L, Magenta L, Clerc O, Torgler R, Semela D. A prospective, multicenter, post-marketing observational study to measure the quality of life of HCV genotype 1 infected, treatment naïve patients suffering from fatigue and receiving 3D regimen: The HEMATITE study. *PLoS One* 2020; 15:e0241267.

14. Serra E G, Schwerd T, Moutsianas L, Cavounidis A, Fachal L, Pandey S, Kammermeier J, Croft N M, Posovszky C, Rodrigues A, Russell R K, Barakat F, Auth M K H, Heuschkel R, Zilbauer M, Fyderek K, Braegger C, Travis S P, Satsangi J, Parkes M, Thapar N, Ferry H, Matte J C, Gilmour K C, Wedrychowicz A, Sullivan P, Moore C, Sambrook J, Ouwehand W, Roberts D, Danesh J, Baeumler T A, Fulga T A, Karaminejadranjbar M, Ahmed A, Wilson R, Barrett J C, Elkadri A, Griffiths A M, COLORS in IBD group investigators , Oxford IBD cohort study investigators , INTERVAL Study , Swiss IBD Cohort Investigators , UK IBD Genetics Consortium , NIDDK IBD Genetics Consortium , Snapper S B, Shah N, Muise A M, Wilson D C, Uhlig H H, Anderson C A. Somatic mosaicism and common genetic variation contribute to the risk of very-early-onset inflammatory bowel disease. *Nat Commun* 2020; 11:995.
15. sulz m, Burri E, Michetti P, Rogler G, Peyrin-Biroulet L, Seibold F, on behalf of the Swiss IBDnet, an official working group of the Swiss Society of Gastroenterology . Treatment Algorithms for Crohn's Disease. *Digestion* 2020; 101 Suppl 1:43-57.
16. Terziroli Beretta-Piccoli B, Stirnimann G, Mertens J, Semela D, Zen Y, Mazzucchelli L, Voreck A, Kolbus N, Merlo E, Di Bartolomeo C, Messina P, Cerny A, Costantini S, Vergani D, Mieli-Vergani G, Swiss PBC Cohort Study Group . Primary biliary cholangitis with normal alkaline phosphatase: A neglected clinical entity challenging current guidelines. *J Autoimmun* 2020; 116:102578.
17. Vulliemoz M, Brand S, Juillerat P, Mottet C, Ben-Horin S, Michetti P, on behalf of Swiss IBDnet, an official working group of the Swiss Society of Gastroenterology . TNF-Alpha Blockers in Inflammatory Bowel Diseases: Practical Recommendations and a User's Guide: An Update. *Digestion* 2020; 101 Suppl 1:16-26.
18. Wuggenig P, Kaya B, Melhem H, Ayata C K, Swiss IBD Cohort Investigators , Hruz P, Sayan A E, Tsumura H, Ito M, Roux J, Niess J H. Loss of the branched-chain amino acid transporter CD98hc alters the development of colonic macrophages in mice. *Commun Biol* 2020; 3:130.

Infektiologie | Spitalhygiene

Wissenschaftlicher Artikel/Review

1. Abela I A, Scherrer A U, Böni J, Yerly S, Klimkait T, Perreau M, Hirsch H H, Furrer H, Calmy A, Schmid P, Cavassini M, Bernasconi E, Günthard H F, Swiss HIV Cohort Study . Emergence of Drug Resistance in the Swiss HIV Cohort Study Under Potent Antiretroviral Therapy Is Observed in Socially Disadvantaged Patients. *Clin Infect Dis* 2020; 70:297-303.
2. Achermann Y, Kusejko K, Auñón , Clauss M, Corvec S, Esteban J, Fernandez-Sampedro M, Ferrari M C, Gassmann N, Jent P, Jost B, Kouyos R D, Kramer T S, Lora-Tamayo J, Morand P C, Benito N, Pablo-Marcos D, Patel R, Scanferla G, Sendi P, Slama D, Stadelmann V A, Strahm C, Thurnheer C, TrebÅe R, Uckay I, Vijayvargiya P, Waldmann I, Wouthuyzen-Bakker M. The impact of surgical strategy and rifampin on treatment outcome in Cutibacterium periprosthetic joint infections. *Clin Infect Dis* 2020;.
3. albrich w, Boggian K. Levofloxacin prophylaxis in patients with myeloma. *Lancet Oncol* 2020; 21:e68.
4. Bachmann N, Kusejko K, Nguyen H, Chaudron S E, Kadelka C, Turk T, Böni J, Perreau M, Klimkait T, Yerly S, Battegay M, Rauch A, Ramette A, Vernazza P, Bernasconi E, Cavassini M, Günthard H F, Kouyos R D, Swiss HIV Cohort Study . Phylogenetic Cluster Analysis Identifies Virological and Behavioral Drivers of HIV Transmission in MSM. *Clin Infect Dis* 2020;.
5. Baron R C, Risch L, Weber M, Thiel S, Grossmann K, Wohlwend N, Lung T, Hillmann D, Ritzler M, Bigler S, Egli K, Ferrara F, Bodmer T, Imperiali M, Heer S, Renz H, Flatz L, Kohler P, Vernazza P, Kahlert C R, Paprotny M, Risch M. Frequency of serological non-responders and false-negative RT-PCR results in SARS-CoV-2 testing: a population-based study. *Clin Chem Lab Med* 2020;.

6. Borghesi A, Trüch J, Asgari S, Sancho-Shimizu V, Agyeman P K A, Bellos E, Giannoni E, Stocker M, Posfay-Barbe K M, Heininger U, Bernhard-Stirnemann S, Niederer-Loher A, Kahlert C R, Natalucci G, Rely C, Riedel T, Kuehni C E, Thorball C W, Chaturvedi N, Martinon-Torres F, Kuijpers T W, Coin L, Wright V, Herberg J, Levin M, Aebi C, Berger C, Fellay J, Schlapbach L J, EUCLIDS consortium and the Swiss Paediatric Sepsis Study . Whole-exome sequencing for the identification of rare variants in primary immunodeficiency genes in children with sepsis - a prospective population-based cohort study. *Clin Infect Dis* 2020;.
7. Braun D L, Hampel B, Ledergerber B, Grube C, Nguyen H, Künzler-Heule P, Shah C, Salazar-Vizcaya L, Conen A, Flepp M, Stöckle M, Béguelin C, Schmid P, Rougemont M, Delaloye J, Bernasconi E, Nicca D, Böni J, Rauch A, Kouyos R D, Günthard H F, Fehr J S. A treatment as prevention trial to eliminate hepatitis C among men who have sex with men living with HIV in the Swiss HIV Cohort Study. *Clin Infect Dis* 2020;.
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10. Carlisle L A, Turk T, Metzner K J, Mbunkah H A, Shah C, Böni J, Huber M, Braun D L, Fehr J, Salazar-Vizcaya L, Rauch A, Yerly S, Nguyen A, Cavassini M, Stoeckle M, Vernazza P, Bernasconi E, Günthard H F, Kouyos R D. HCV Genetic Diversity Can Be Used to Infer Infection Recency and Time since Infection. *Viruses* 2020; 12:.
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12. Crippa S, Kägi G, Graf L, Meyer Sauteur P M, Kohler P. Stroke in a young adult with mild COVID-19 suggesting endotheliitis. *New Microbes New Infect* 2020;100781.
13. Dietrich L G, Thorball C W, Ryom L, Burkhalter F, Hasse B, Thurnheer M C, Weisser M, Schmid P, Bernasconi E, Darling K E A, Buvelot H, Fellay J, Ledergerber B, Tarr P E, Swiss HIV Cohort Study . Rapid Progression of Kidney Dysfunction in Swiss People Living with HIV: Contribution of Polygenic Risk Score and D:A:D Clinical Risk Score. *J Infect Dis* 2020;.
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Nephrologie | Transplantationsmedizin

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Psychosomatik

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Dermatologie | Venerologie | Allergologie

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