

Wissenschaftliche Publikationen 2018



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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 Journalen 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 2018 wurden 438 Publikationen mit Beteiligung von Forschenden des Kantonsspitals St.Gallen veröffentlicht. Von diesen Arbeiten wurden 365 in Journalen mit berechnetem Einflussfaktor (auch Impact Factor genannt) publiziert (Abb. 1). Der Einflussfaktor einer Fachzeitschrift gibt an, wie oft ein Artikel aus dieser Zeitschrift von anderen Forschenden zitiert wird. Für die Berechnung des mittleren Einflussfaktors der Publikationen des Kantonsspital St.Gallen, wurden Daten des Journal Citation Reports aus dem Jahr 2017 verwendet.

Mit 365 wissenschaftlichen Arbeiten in Zeitschriften mit Einflussfaktor, wurde das beste Resultat seit der Erfassung dieser Daten erzielt. Besonders erfreulich ist, dass der mittlere Einflussfaktor pro Publikation auf 6.6 gestiegen ist. In Abb. 2 sind die Daten der Jahre 2016-2018 gezeigt.

Die Auswertung der Publikationsdaten nach Medizinischen Departementen zeigt, dass in allen Disziplinen intensiv geforscht und publiziert wird. In Abbildung 3 ist die Publikationstätigkeit der Jahre 2016 – 2018 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.

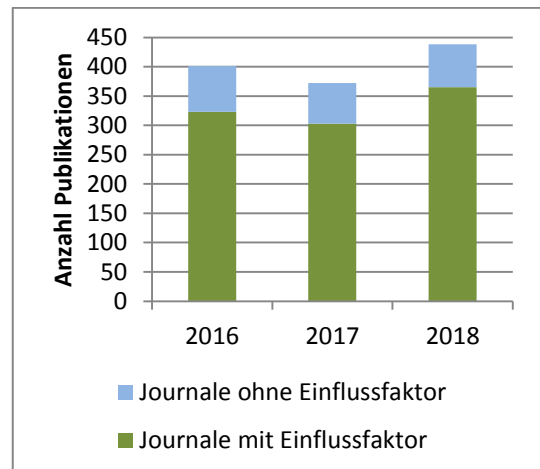


Abb.1. Anzahl der Publikationen in Journalen mit oder ohne Einflussfaktor in den Jahren 2016 – 2018

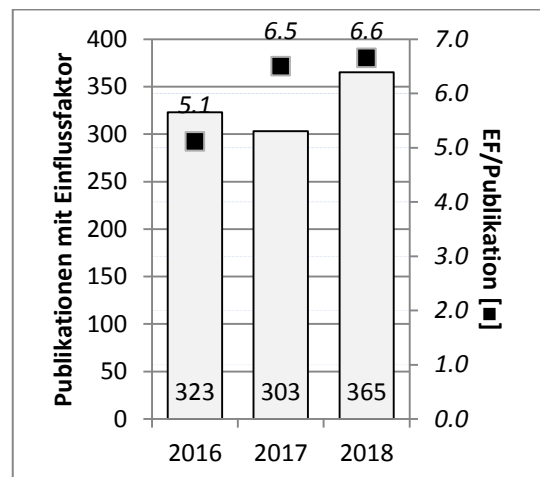


Abb.2. Mittlere Qualität der Publikationen gemessen als durchschnittlicher Einflussfaktor (EF) pro Veröffentlichung

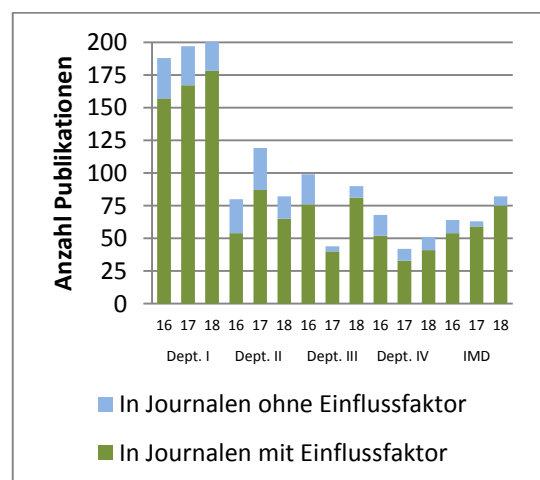


Abb. 3. Publikationsstatistik in den Departementen I-IV und IMD in den Jahren 2016 – 2018

Die Publikationen wurden direkt aus der Forschungs- und Studiendatenbank des KSSG extrahiert (www.forschung.kssg.ch). Für die Vollständigkeit und Richtigkeit der Publikationen in der Datenbank tragen die Fachbereiche die Verantwortung. Durch Anklicken des Bereichs/Instituts wird man direkt auf die Publikationen in der Datenbank verlinkt.

Allgemeine Innere Medizin/Hausarztmedizin

Wissenschaftliche Artikel

1. Beglinger C, Kim M J, Tsinalis D,ENZLER-Tschudy A, Jung K, Brändle M, Binet I. Vitamin-D-Intoxikation als seltene Ursache einer schweren Hyperkalzämie : Wenn YouTube alles besser weiss Swiss Med Forum 2018; 18:796-799.
2. Danne T, Cariou B, Banks P, Brändle M, Brath H, Franek E, Kushner J A, Lapuerta P, McGuire D K, Peters A L, Sawhney S, Strumph P. HbA and Hypoglycemia Reductions at 24 and 52 Weeks With Sotagliflozin in Combination With Insulin in Adults With Type 1 Diabetes: The European inTandem2 Study. Diabetes Care 2018; 41:1981-1990.
3. Herman W H, Braffett B H, Kuo S, Lee J M, Brändle M, Jacobson A M, Prosser L A, Lachin J M. What are the clinical, quality-of-life, and cost consequences of 30 years of excellent vs. poor glycemic control in type 1 diabetes? J Diabetes Complicat 2018; 32:911-915.
4. Herman W H, Braffett B H, Kuo S, Lee J M, Brändle M, Jacobson A M, Prosser L A, Lachin J M. The 30-year cost-effectiveness of alternative strategies to achieve excellent glycemic control in type 1 diabetes: An economic simulation informed by the results of the diabetes control and complications trial/epidemiology of diabetes interventions and complications (DCCT/EDIC). J Diabetes Complicat 2018; 32:934-939.
5. Iacovazzo D, Flanagan S E, Walker E, Quezado R, de Sousa Barros F A, Caswell R, Johnson M B, Wakeling M, Brändle M, Guo M, Dang M N, Gabrovská P, Niederle B, Christ E, Jenni S, Sipos B, Nieser M, Frilling A, Dhatariya K, Chanson P, de Herder W W, Konukiewicz B, Klöppel G, Stein R, Korbonits M, Ellard S. missense mutation causes familial insulinomatosis and diabetes mellitus. Proc Natl Acad Sci USA 2018; 115:1027-1032.
6. Lüscher D, Diethelm M, Hundsberger T, Hitz F. Fieber bei monoklonaler Gammopathie und Immunneuropathie – ein differenzialdiagnostischer Sple(e)n. Praxis (Bern 1994) 2018; 107:329-333.
7. Palmer A J, Si L, Tew M, Hua X, Willis M S, Asseburg C, McEwan P, Leal J, Gray A, Foos V, Lamotte M, Feenstra T, O'Connor P J, Brändle M, Smolen H J, Gahn J C, Valentine W J, Pollock R F, Breeze P, Brennan A, Pollard D, Ye W, Herman W H, Isaman D J, Kuo S, Laiteerapong N, Tran-Duy A, Clarke P M. Computer Modeling of Diabetes and Its Transparency: A Report on the Eighth Mount Hood Challenge. Value Health 2018; 21:724-731.
8. Schimke K E, Renström F, Meier S, Stettler C, Brändle M, SwissDiab Study Group . Compliance with guidelines for disease management in diabetes: results from the SwissDiab Registry. BMJ Open Diabetes Res Care 2018; 6:e000454.
9. Schöb M, Müller P, Gerth Y, Korte W, Rickli H, Brändle M, Bärlocher A, Bilz S. [Diagnosis and Treatment of Familial Hypercholesterolemia]. Praxis (Bern 1994) 2018; 107:1345-1353.

Angiologie

Wissenschaftliche Artikel

1. Benecke U. Phlebologie in der Wound Care. WUNDmanagement 2018; 12. Jahrgang:119-121.

Wissenschaftliche Artikel

1. Åsli L A, Braaten T, Olsen A, Tjønneland A, Overvad K, Nilsson L M, Renström F, Lund E, Skeie G. Potato consumption and risk of pancreatic cancer in the HELGA cohort. *Br J Nutr* 2018; 119:1408-1415.
2. Beglinger C, Kim M J, Tsinalis D,ENZLER-Tschudy A, Jung K, Brändle M, Binet I. Vitamin-D-Intoxikation als seltene Ursache einer schweren Hyperkalzämie : Wenn YouTube alles besser weiss *Swiss Med Forum* 2018; 18:796-799.
3. Bilz S, Flückiger M, Meienberg F, Falconnier C, Keller U, Puder J J. Comparison of the dose-response pharmacodynamic profiles of detemir and glargine in severely obese patients with type 2 diabetes: A single-blind, randomised cross-over trial. *PLoS ONE* 2018; 13:e0202007.
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6. Fenske W, Refardt J, Chifu I, Schnyder I, Winzeler B, Drummond J, Ribeiro-Oliveira A, Drescher T, Bilz S, Vogt D R, Malzahn U, Kroiss M, Christ E, Henzen C, Fischli S, Tönjes A, Mueller B, Schopohl J, Flitsch J, Brabant G, Fassnacht M, Christ-Crain M. A Copeptin-Based Approach in the Diagnosis of Diabetes Insipidus. *N Engl J Med* 2018; 379:428-439.
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9. Hornemann T, Alecu I, Hagenbuch N, Zhakupova A, Cremonesi A, Gautschi M, Jung H H, Meienberg F, Bilz S, Christ E, Baumgartner M R, Hochuli M. Disturbed sphingolipid metabolism with elevated 1-deoxysphingolipids in glycogen storage disease type I - A link to metabolic control. *Mol Genet Metab* 2018; 125:73-78.
10. Iacovazzo D, Flanagan S E, Walker E, Quezado R, de Sousa Barros F A, Caswell R, Johnson M B, Wakeling M, Brändle M, Guo M, Dang M N, Gabrovská P, Niederle B, Christ E, Jenni S, Sipos B, Nieser M, Frilling A, Dhatariya K, Chanson P, de Herder W W, Konukiewicz B, Klöppel G, Stein R, Korbonits M, Ellard S. missense mutation causes familial insulinomatosis and diabetes mellitus. *Proc Natl Acad Sci USA* 2018; 115:1027-1032.
11. Palmer A J, Si L, Tew M, Hua X, Willis M S, Asseburg C, McEwan P, Leal J, Gray A, Foos V, Lamotte M, Feenstra T, O'Connor P J, Brändle M, Smolen H J, Gahn J C, Valentine W J, Pollock R F, Breeze P, Brennan A, Pollard D, Ye W, Herman W H, Isaman D J, Kuo S, Laiteerapong N, Tran-Duy A, Clarke P M. Computer Modeling of Diabetes and Its Transparency: A Report on the Eighth Mount Hood Challenge. *Value Health* 2018; 21:724-731.
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14. Sung Y J, Winkler T W, de Las Fuentes L, Bentley A R, Brown M R, Kraja A T, Schwander K, Ntalla I, Guo X, Franceschini N, Lu Y, Cheng C Y, Sim X, Vojinovic D, Marten J, Musani S K, Li C, Feitosa M F, Kilpeläinen T O, Richard M A, Noordam R, Aslibekyan S, Aschard H, Bartz T M, Dorajoo R, Liu Y, Manning A K, Rankinen T, Smith A V, Tajuddin S M, Tayo B O, Warren H R, Zhao W, Zhou Y, Matoba N, Sofer T, Alver M, Amini M, Boissel M, Chai J F, Chen X, Divers J, Gandin I, Gao C, Giulianini F, Goel A, Harris S E, Hartwig F P, Horimoto A R V R, Hsu F C, Jackson A U, Kähönen M, Kasturiratne A, Kühnel B, Leander K, Lee W J, Lin K H, 'an Luan J, McKenzie C A, Meian H, Nelson C P, Rauramaa R, Schupf N, Scott R A, Sheu W H H, Stančáková A, Takeuchi F, van der Most P J, Varga T V, Wang H, Wang Y, Ware E B, Weiss S, Wen W, Yanek L R, Zhang W, Zhao J H, Afaq S, Alfred T, Amin N, Arking D, Aung T, Barr R G, Bielak L F, Boerwinkle E, Bottinger E P, Braund P S, Brody J A, Broeckel U, Cabrera C P, Cade B, Caizheng Y, Campbell A, Canouil M, Chakravarti A, CHARGE Neurology Working Group , Chauhan G, Christensen K, Cocca M, COGENT-Kidney Consortium , Collins F S, Connell J M, de Mutsert R, de Silva H J, Debette S, Dörr M, Duan Q, Eaton C B, Ehret G, Evangelou E, Faul J D, Fisher V A, Forouhi N G, Franco O H, Friedlander Y, Gao H, GIANT Consortium , Gigante B, Graff M, Gu C C, Gu D, Gupta P, Hagenaars S P, Harris T B, He J, Heikkinen S, Heng C K, Hirata M, Hofman A, Howard B V, Hunt S, Irvin M R, Jia Y, Joehanes R, Justice A E, Katsuya T, Kaufman J, Kerrison N D, Khor C C, Koh W P, Koistinen H A, Komulainen P, Kooperberg C, Krieger J E, Kubo M, Kuusisto J, Langefeld C D, Langenberg C, Launer L J, Lehne B, Lewis C E, Li Y, Lifelines Cohort Study , Lim S H, Lin S, Liu C T, Liu J, Liu J, Liu K, Liu Y, Loh M, Lohman K K, Long J, Louie T, Mägi R, Mahajan A, Meitinger T, Metspalu A, Milani L, Momozawa Y, Morris A P, Mosley T H, Munson P, Murray A D, Nalls M A, Nasri U, Norris J M, North K, Ogunniyi A, Padmanabhan S, Palmas W R, Palmer N D, Pankow J S, Pedersen N L, Peters A, Peyser P A, Polasek O, Raitakari O T, Renström F, Rice T K, Ridker P M, Robino A, Robinson J G, Rose L M, Rudan I, Sabanayagam C, Salako B L, Sandow K, Schmidt C O, Schreiner P J, Scott W R, Seshadri S, Sever P, Sitlani C M, Smith J A, Snieder H, Starr J M, Strauch K, Tang H, Taylor K D, Teo Y Y, Tham Y C, Uitterlinden A G, Waldenberger M, Wang L, Wang Y X, Wei W B, Williams C, Wilson G, Wojczynski M K, Yao J, Yuan J M, Zonderman A B, Becker D M, Boehnke M, Bowden D W, Chambers J C, Chen Y D I, de Faire U, Deary I J, Esko T, Farrall M, Forrester T, Franks P W, Freedman B I, Froguel P, Gasparini P, Gieger C, Horta B L, Hung Y J, Jonas J B, Kato N, Kooner J S, Laakso M, Lehtimäki T, Liang K W, Magnusson P K E, Newman A B, Oldehinkel A J, Pereira A C, Redline S, Rettig R, Samani N J, Scott J, Shu X O, van der Harst P, Wagenknecht L E, Wareham N J, Watkins H, Weir D R, Wickremasinghe A R, Wu T, Zheng W, Kamatani Y, Laurie C C, Bouchard C, Cooper R S, Evans M K, Gudnason V, Kardia S L R, Kritchevsky S B, Levy D, O'Connell J R, Psaty B M, van Dam R M, Sims M, Arnett D K, Mook-Kanamori D O, Kelly T N, Fox E R, Hayward C, Fornage M, Rotimi C N, Province M A, van Duijn C M, Tai E S, Wong T Y, Loos R J F, Reiner A P, Rotter J I, Zhu X, Bierut L J, Gauderman W J, Caulfield M J, Elliott P, Rice K, Munroe P B, Morrison A C, Cupples L A, Rao D C, Chasman D I. A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. *Am J Hum Genet* 2018; 102:375-400.
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European populations. *Int J Cancer* 2018; 142:1189-1201.

Gastroenterologie/Hepatologie

Wissenschaftliche Artikel

1. Bachofner J, Valli P V, Bergamin I, Kröger A, Künzler-Heule P, Baserga A, Braun D L, Seifert B, Moncsek A, Fehr J, Semela D, Magenta L, Müllhaupt B, Terzioli Beretta-Piccoli B, Mertens J, The Swiss Hepatitis C Cohort Study . Excellent outcome of direct antiviral treatment for chronic hepatitis C in Switzerland. *Swiss Med Wkly* 2018; 148:w14560.
2. Bertolini R. The Drill and Blast Procedure - or How to Treat Complicated Bouveret's Syndrome Endoscopically. *Journal of Digestive Diseases and Hepatology* 2018; J Dig Dis Hepatol: JDDH-151:.
3. Braun D L, Hampel B, Kouyos R, Nguyen H, Shah C, Flepp M, Stöckle M, Conen A, Béguelin C, Künzler-Heule P, Nicca D, Schmid P, Delaloye J, Rougemont M, Bernasconi E, Rauch A, Günthard H F, Böni J, Fehr J S, Swiss HIV Cohort Study . High Cure Rates With Grazoprevir-Elbasvir With or Without Ribavirin Guided by Genotypic Resistance Testing Among Human Immunodeficiency Virus/Hepatitis C Virus-coinfected Men Who Have Sex With Men. *Clin Infect Dis* 2018;.
4. Frei N, Frei R, Semadeni G M, Jochum W, Brand S, Borovicka J. Endoscopic Treatment of Early Barrett's Adenocarcinoma and Dysplasia: Focus on Submucosal Cancer. *Digestion* 2018;1-8.
5. Frei R. Endoscopic full thickness resection (EFTR) of colorectal neoplasms with the Full Thickness Resection Device (FTRD): Clinical experience from two tertiary referral centers in Switzerland. *United European Gastroenterol Journal* 2018; 2018 Apr;6(3):463-470.
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9. Popp F, Semela D, von Kempis J, Mueller R B. Improvement of primary biliary cholangitis (PBC) under treatment with sulfasalazine and abatacept. *BMJ Case Rep* 2018; 2018:.
10. Safroneeva E, Saner C, Rossel J B, Golay D, Pittet V, Godat S, Diem S, Aepli P, Sauter R, Borovicka J, Burgmann K, Juillerat P, Netzer P, Sendensky A, Hruz P, Girardin M, Biedermann L, Greuter T, Vavricka S, Michetti P, Mueller C, Straumann A, Schoepfer A M, Swiss EoE Cohort Study Group . Cohort Profile: The Swiss Eosinophilic Esophagitis Cohort Study (SEECs). *Inflamm Intest Dis* 2018; 2:163-170.
11. Schoepfer A, Saner c, Safroneeva E, Hruz P, Aepli P, Sawatzki M, Vavricka S, Biedermann L, Juillerat P, Straumann A. SEECs group.Cohort Profile: The Swiss Eosinophilic Esophagitis. *Inflammatory Intestinal Diseases* 2018; 2:163-170.

Wissenschaftliche Artikel

1. Aebi-Popp K, Wandeler G, Salazar-Vizcaya L, Metzner K, Stöckle M, Cavassini M, Hoffmann M, Lüthi A, Suter F, Bernasconi E, Fehr J, Furrer H, Rauch A, and the Swiss HIV Cohort Study . Rapid decline of anti-hepatitis C virus (HCV) antibodies following early treatment of incident HCV infections in HIV-infected men who have sex with men. *HIV Med* 2018;.
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6. Braun D L, Hampel B, Kouyos R, Nguyen H, Shah C, Flepp M, Stöckle M, Conen A, Béguelin C, Künzler-Heule P, Nicca D, Schmid P, Delaloye J, Rougemont M, Bernasconi E, Rauch A, Günthard H F, Böni J, Fehr J S, Swiss HIV Cohort Study . High Cure Rates With Grazoprevir-Elbasvir With or Without Ribavirin Guided by Genotypic Resistance Testing Among Human Immunodeficiency Virus/Hepatitis C Virus-coinfected Men Who Have Sex With Men. *Clin Infect Dis* 2018;.
7. Braun D L, Hampel B, Martin E, Kouyos R, Kusejko K, Grube C, Flepp M, Stöckle M, Conen A, Béguelin C, Schmid P, Delaloye J, Rougemont M, Bernasconi E, Rauch A, Günthard H F, Böni J, Fehr J S, Swiss HIV Cohort Study . High Number of Potential Transmitters Revealed in a Population-based Systematic Hepatitis C Virus RNA Screening Among Human Immunodeficiency Virus-infected Men Who Have Sex With Men. *Clin Infect Dis* 2018;.
8. Conconi A, Zucca E, Margiotta-Casaluci G, Darling K, Hasse B, Battegay M, Staehelin C, Novak U, Schmid P, Scherrer A, Dirnhofer S, Kwee I, Nassi L, Cavalli F, Gaidano G, Bertoni F, Bernasconi E, Swiss HIV Cohort Study (SHCS) . Population-based outcome analysis of diffuse large B-cell lymphoma in people living with HIV infection and competent individuals. *Hematol Oncol* 2018;.
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