



Wissenschaftliche Publikationen

Publikationsliste 2017 der Medizinischen und Chirurgischen Kliniken, der Abteilungen für Klinische Chemie und Biochemie, Intensivmedizin und Neonatologie, Anästhesie und Bilddiagnostik am Kinderspital Zürich.

Artikel in wissenschaftlichen Zeitschriften

Abadir N, Schmidt M, Laube GF, Weitz M.

Imaging in children with unilateral ureteropelvic junction obstruction: time to reduce investigations? Eur J Pediatr 176:1173-1179, 2017.

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A, Steindl K, Papuc SM, Joset P, Zehavi Y, Rauch A, Plecko B, Simmons TL. *Plasma metabolomics reveals a diagnostic metabolic fingerprint for mitochondrial aconitase (ACO2) deficiency.* PLoS One 12:e0176363, 2017.

Adams M, Braun J, Bucher HU, Puhan MA, Bassler D, Von Wyl V (incl. **Bernet V**); Swiss Neonatal Network. *Comparison of three different methods for risk adjustment in neonatal medicine.* BMC Pediatr 17:106, 2017.

Aebi M, Mohler-Kuo M, Barra S, Schnyder U, Maier T, **Landolt MA.** *Posttraumatic stress and youth violence perpetration: A population-based cross-sectional study.* Eur Psychiatry 40:88-95, 2017.

Aeschlimann FA, Angst F, Hofer KD, **Canizzaro Schneider E, Schroeder-Kohler S, Lauener R,** van der Kleij D, Rispens T,

Saurenmann RK. *Prevalence of Anti-infliximab Antibodies and Their Associated Co-factors in Children with Refractory Arthritis and/or Uveitis: A Retrospective Longitudinal Cohort Study.* J Rheumatol 44:224-341, 2017.

Agyeman P, Barazzone C, Hammer J, Heiniger U, **Nadal D,** Pfamatter JP, Posfay-Barbe KM, Pfister RE. *Konsensus Statement zur Prävention von Respiratory Syncytial Virus (RSV)-Infektionen mit dem humanisierten monoklonalen Antikörper Palivizumab (Synagis): Update 2016.* Paediatrica 28(2):14-16, 2017.

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Al Sayed MF, Ruckstuhl CA, Hilmenyuk T, Claus C, **Bourquin JP, Bornhauser BC,** Radpour R, Riether C, Ochsenbein AF. *CD70 reverse signaling enhances NK cell function and immunosurveillance in CD27-expressing B-cell malignancies.* Blood 130:297-309, 2017.

Ammann-Reiffer C, Bastiaenen CH, **Meyer-Heim AD, van Hedel HJ.** *Effectiveness of robot-assisted gait training in children with cerebral palsy: a bicenter, pragmatic, randomized, cross-over trial (PeLoGAIT).* BMC Pediatrics 17:64, 2017.

Ammann-Reiffer C, Bastiaenen CHG, de Bie RA, **van Hedel HJA.** *Interrater reliability of two gait performance measures in children with neuromotor disorders across two different settings.* Dev Med Child Neurol 59:1158-1163, 2017.

Andereggen L, Biétry D, **Kottke R**, Andres RH. *Intracranial Foreign Body in a Patient with paranoid Schizophrenia*. J Craniofac Surg 28:e685-e687, 2017.

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Preise und Ehrungen

Nadine Bernasconi, Pneumologie
Best poster award at the 7th FZK/CRC Retreat.
«Association of small airway function and cystic fibrosis mutation»

Alessandra Bosch, EC-Labor
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«miRNAs in Sickle Cell Disease»

Judith Graser, Pediatric Rehab Research Group
Best Talk Award at the International Symposium on Neuro-Rehabilitation: Strategies for Customized Treatments. «Tailored robot-assisted arm rehabilitation in children: the role of the practice order».

Dr. Marcus Granegger, Herzchirurgie
Heidi Ras-Grant 2017. «Herzerholung durch optimale mechanische Herzunterstützung - Untersuchung am isolierten Grosstierherz»

KD Dr. med. Sepp Holtz, Entwicklungspädiatrie
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Dr. Alice Catherine Hölscher, Kinderurologie
FZK-Nachwuchsforschungs-Grant 2017.
«Whole Body Vibration Training in the treatment for children's incontinence - a randomized controlled trial»

Dr. András Jakab, MR-Forschung
FZK-Nachwuchsforschungs-Grant 2017.
«How does the brain change its structure and connections in congenital diseases before birth? A fetal magnetic resonance imaging study»

Prof. Oskar Jenni, Entwicklungspädiatrie
Julius Springer Preis der Deutschen Gesellschaft für Kinder- und Jugendmedizin für die beste Arbeit in der Monatsschrift für Kinderheilkunde in den letzten drei Jahren

Elisa Knaier, Entwicklungspädiatrie
FZK-SNF-Overhead-Grant 2017. «Developmental coordination disorder in children - Towards a more precise evaluation of the clinical picture and the underlying mechanism»

Dr. Karin Kucian, MR-Forschung
Best oral presentations awards at the 7th FZK/CRC Retreat. «Mathematical anxiety in the brain of children»

Andrea Mauracher, Immunologie
Preis für das beste Poster im Bereich der klinischen Immunologie am Jahreskongress 2017 der Schweizerischen Gesellschaft für Allergologie und Immunologie. «A personalized medicine approach to the diagnosis and therapy of a patient with a novel STAT3 gain-of-function mutation»

Jessica Migliavacca, Onkologie
Best poster awards at the 7th FZK/CRC Retreat. «Identification and targeting of the MAP4K4 effector mechanisms that mediate tumor cell migration and invasion in medulloblastoma»

Gabriele Manzella, Onkologie
Best oral presentations awards at the 7th FZK/CRC Retreat. «A personalized pre-clinical platform to guide treatment decisions for rhabdomyosarcoma patients»

Laura Marquardt, Immunologie
Preis für hervorragende Semesterarbeiten 2017 der Universität Zürich. Masterarbeit zum Thema «Schwerer kombinierter Immundefekt (SCID)»

Dr. Volker Ressel, Pediatric Rehab Research Group
Best poster awards at the 7th FZK/CRC Retreat. «Diffusion Tensor Imaging to predict cognitive outcome in children with acquired brain lesion»

Lea Tschirren, Pediatric Rehab Research Group
Anna-Müller Grocholski price of the Swiss Academy of Child Disability. «The Eating and Drinking Ability Classification System: Concurrent validity and reliability in children with cerebral palsy». Co-authors were S. Bauer, Ch. Hanser, P. Marsico, D. Sellers and H. van Hedel.

Dr. Nina Zeltner, Stoffwechsel
Creativity prize of the department of pediatric surgery at the 7th FZK/CRC Retreat. «Reduction of complexity: Explaining metabolic diseases and treatment in children»

Herausragende Publikationen

Sara Fattinger
Fattinger S, de Beukelaar TT, Ruddy KL, Volk C, Heyse NC, Herbst JA, Hahnloser RHR, Wenderoth N, Huber R. *Deep sleep maintains learning efficiency of the human brain*. Nat Commun. 2017 May 22;8:15405. doi: 10.1038/ncomms15405

Prof. Dr. med. Daniel Konrad, Endokrinologie/Diabetologie
Flurin Item, Stephan Wueest, Vera Lemos, Sokrates Stein, Fabrizio C. Lucchini, Rémy Denzler, Muriel C. Fisser, Tenagne D. Challa, Eija Pirinen, Youngsoo Kim, Silvio Hemmi, Erich Gulbins, Atan Gross, Lorraine A. O'Reilly, Markus Stoffel, Johan Auwerx & Daniel Konrad (2017). *Fas cell surface death receptor controls hepatic lipid metabolism by regulating mitochondrial function*. Nature Communications, 8:480.

PD Dr. med. Alexander Möller, Pneumologie und Zentrum für Cystische Fibrose
Das CF Zentrum des Kinderspitals hat als einziges Schweizer Studienzentrum, mit weltweit am meisten Patienten, im European Cystic Fibrosis Clinical Trial Network an einer internationalen Phase 3 Studie für die neue Krankheitsmodifizierende Therapie der cystischen Fibrose mit den Wirkstoffen Tezacaftor / Ivacaftor teilgenommen. Daraus resultierende Publikation: Taylor-Cousar JL, Munck A, McKone EF, van der Ent CK, Moeller A, Simard C, Wang LT, Ingenito EP, McKee C, Lu Y, Lekstrom-Himes J, Elborn JS. *Tezacaftor-Ivacaftor in Patients with Cystic Fibrosis Homozygous for Phe508del*. N Engl J Med. 2017 Nov 23;377(21):2013-2023.