



# Wissenschaftliche Publikationen

## Publikationsliste 2019 der Medizinischen und Chirurgischen Kliniken, der Abteilungen für Klinische Chemie und Biochemie, Intensivmedizin und Neonatologie, Anästhesie und Bild Diagnostik

### Artikel in wissenschaftlichen Zeitschriften

Ackermann, Irene; **Henze, Georg; Kottke, Raimund; Weiss, Markus.** (2019). *Spinal meningeal cyst in a child with Marfan syndrome: A potential cause for apparent dural puncture during caudal epidural block.* Paediatric Anaesthesia, 29(9), 959-961.

Adams, Mark; Berger, Thomas M.; Borradori-Tolsa, Cristina; Bickle-Graz, Myriam; Grunt, Sebastian; Gerull, Roland; Bassler, Dirk; **Natalucci, Giancarlo;** Swiss Neonatal Network; Follow-up, Group. (2019). *Association between perinatal interventional activity and 2-year outcome of Swiss extremely preterm born infants: a population-based cohort study.* BMJ Open, 9(3), e024560.

Adel Fahmideh, Maral; Lavebratt, Catharina; Tettamanti, Giorgio; Schüz, Joachim; Röösl, Martin; Kjaerheim, Kristina; **Grotzer, Michael A.;** Johansen, Christoffer; Kuehni, Claudia E.; Lannering, Birgitta; Schmidt, Lisbeth S.; Darabi, Hatem; Feychting, Maria. (2019). *A Weighted Genetic Risk Score of Adult Glioma Susceptibility Loci Associated with Pediatric Brain Tumor Risk.* Scientific Reports, 9(1), 18142.

Aeppli, Norbert; Lindauer, Bastian; Steurer, Marc P.; **Weiss, Markus;** Dullenkopf, Alexander. (2019). *Endotracheal tube cuff pressure changes during manual cuff pressure control manoeuvres: An in-vitro assessment.* Acta anaesthesiologica Scandinavica, 63(1), 55-60.

**Aeppli, Tim R. J.; Mahler, Fiona L.; Konrad, Daniel.** (2019). *Future glycaemic control of children diagnosed with type 1 diabetes mellitus at toddler and preschool/school age.* Journal of Pediatric Endocrinology & Metabolism, 32(9), 929-933.

Ajdacic-Gross, Vladeta; Mütsch, Margot; Rodgers, Stephanie; Tesic, Anja; Müller, Mario; Seifritz, Erich; Wagner, En-Young N.; von Känel, Roland; **Landolt, Markus A.;** Steinemann, Nina; von Wyl, Viktor; Castela, Enrique; Strippoli, Marie-Pierre F.; Glaus, Jennifer; Vandeleur, Caroline L.; Marques-Vidal, Pedro M.; Vollenweider, Peter; Preisig, Martin. (2019). *A step beyond the hygiene hypothesis-immune-mediated classes determined in a population-based study.* BMC Medicine, 17(1), 75.

Akbar, Michael; **Dreher, Thomas;** Stücker, Ralf. (2019). *Wachstumsbedingte Störung der Halte- und Bewegungsorgane.* Der Orthopäde, 48(6), 451-451.

Akeret, Kevin; Serra, Carlo; Rafi, Omar; Staartjes, Victor E.; Fierstra, Jorn; Bellut, David; Maldaner, Nicolai; Imbach, Lukas L.; Wolpert, Fabian; Poryazova, Rositsa; Regli, Luca; **Krayenbühl, Niklaus.** (2019). *Anatomical features of primary brain tumors affect seizure risk and semiology.* NeuroImage: Clinical, 22, 101688.

Al-Dewik, Nader; Ali, Alaa; Mahmoud, Yassmin; Shahbeck, Noora; Ali, Rehab; Mahmoud, Laila; Al-Mureikhi, Mariam; Al-Mesaifri, Fatma; Musa, Sara; El-Akouri, Karen; Almulla, Mariam; Al Saadi, Reem; Nasrallah, Gheyath K.; Samara, Muthanna; Abdo, Ghassan; Rifai, Hilal Al; **Häberle, Johannes; Thöny, Beat;** Kruger, Warren; Blom, Henk J.; Ben-Omran, Tawfeg. (2019). *Natural history, with clinical, biochemical, and molecular characterization of classical homocystinuria in the Qatari population.* Journal of Inherited Metabolic Disease, 42(5), 818-830.

**Albisetti, Manuela; Rizzi, Mattia;** Bonduel, Mariana; Revel-Vilk, Shoshana; Goldenberg, Neil. (2019). *Official communication of the SSC: Recommendations for future research in catheter-related arterial thrombosis in children*. Research and Practice in Thrombosis and Haemostasis, 3(2), 193-196.

**Albrecht, Joëlle; Huber, Reto.** (2019). *Schlaf und Lernen in der Entwicklung*. Kinder- und Jugendmedizin, 19(03), 170-176.

Albrich, Werner C.; Rassouli, Frank; Waldeck, Frederike; **Berger, Christoph;** Baty, Florent. (2019). *Influence of Older Age and Other Risk Factors on Pneumonia Hospitalization in Switzerland in the Pneumococcal Vaccine Era*. Frontiers in Medicine, 6, 286.

**Alisic, Eva;** Mangelsdorf, Shaminka N.; Schilpzand, Elizabeth J.; Barrett, Anna; **Landolt, Markus A.;** Mehl, Matthias R. (2019). *Can children predict psychological recovery after injury?* Archives of Disease in Childhood, 317709.

**Allegri, Gabriella; Deplazes, Sereina; Rimann, Nicole;** Causton, Benjamin; **Scherer, Tanja;** Leff, Jonathan W.; **Diez-Fernandez, Carmen;** Klimovskaia, Anna; **Fingerhut, Ralph;** Krijt, Jakub; Kožich, Viktor; Nuoffer, Jean-Marc; **Grisch-Chan, Hiu M.;** **Thöny, Beat; Häberle, Johannes.** (2019). *Comprehensive characterization of ureagenesis in the *spf* ash mouse, a model of human ornithine transcarbamylase deficiency, reveals age-dependency of ammonia detoxification*. Journal of Inherited Metabolic Disease, 42(6), 1064-1076.

Allemann, Aurélie; Kraemer, Julia G.; Korten, Insa; Ramsey, Kathryn; Casaulta, Carmen; **Group, Scild Study;** Wüthrich, Daniel; Ramette, Alban; Endimiani, Andrea; Latzin, Philipp; Hilty, Markus. (2019). *Nasal Resistome Development in Infants With Cystic Fibrosis in the First Year of Life*. Frontiers in Microbiology, 10, 212.

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**Ammann-Reiffer, Corinne;** Bastiaenen, Caroline H. G.; **Klöti, Corina; van Hedel, Hubertus J. A.** (2019). *Concurrent Validity of Two Gait Performance Measures in Children with Neuromotor Disorders*. Physical & Occupational Therapy in Pediatrics, 39(2), 181-192.

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Arhab, Amar; Messerli-Bürgy, Nadine; **Kakebeeke, Tanja H.;** Stülb, Kerstin; Zysset, Annina; **Leeger-Aschmann, Claudia S.;** Schmutz, Einat A.; Meyer, Andrea H.; Munsch, Simone; Kriemler, Susi; **Jenni, Oskar G.;** Puder, Jarde-na J. (2019). *Association of physical activity with adiposity in preschoolers using different clinical adiposity measures: a cross-sectional study*. BMC Pediatrics, 19, 397.

**Aronson, Daniel C.;** Weeda, Viola B.; Maibach, Rudolf; Czaundera, Piotr; Dall'igna, Patrizia; de Ville de Goyet, Jean; Branchereau, Sophie; Perilongo, Giorgio; Brock, Penelope; Zsiros, Jozsef; Semeraro, Michaela; Chardot, Christophe; Wildhaber, Barbara; Morland, Bruce; Brugières, Laurence; Childhood Liver Tumour Strategy, Group. (2019). *Microscopically positive resection margin after hepatoblastoma resection: what is the impact on prognosis? A Childhood Liver Tumours Strategy Group (SIOPEL) report*. European Journal of Cancer, 106, 126-132.

Arrigoni, Filippo; Romaniello, Romina; Perruzzo, Denis; **Poretti, Andrea;** Bassi, Maria Teresa; Pierpaoli, Carlo; Valente, Enza Maria; Nuovo, Sara; **Boltshauser, Eugen;** Huisman, Thierry André Gerard Marie; Triulzi, Fabio; Borgatti, Renato. (2019). *The spectrum of brainstem malformations associated to mutations of the tubulin genes family: MRI and DTI analysis*. European Radiology, 29(2), 770-782.

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**Aurich-Schuler, Tabea; Gut, Anja; Labrüyère, Rob.** (2019). *The FreeD module for the Lokomat facilitates a physiological movement pattern in healthy people - a proof of concept study*. Journal of Neuroengineering and Rehabilitation (JNER), 16, 26.

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Badshah, I. I.; Brown, S.; **Weibel, L.;** Rose, A.; Way, B.; Sebire, N.; Inman, G.; Harper, J.; O'Shaughnessy, R. F. L. (2019). *Differential expression of secreted factors SOSTDC1 and ADAMTS8 cause profibrotic changes in linear morphoea fibroblasts*. British Journal of Dermatology, 180(5), 1135-1149.

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**Balmer, Christian; Gass, Matthias; Dave, Hitendu;** Duru, Firat; Luechinger, Roger. (2019). *Magnetic resonance imaging of patients with epicardial leads: in vitro evaluation of temperature changes at the lead tip*. Journal of Interventional Cardiac Electrophysiology, 56(3), 321-326.

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Batliner, M.; **Weiss, M.;** Dual, S. A.; **Grass, B.;** Meboldt, M.; Schmid Daners, M. (2019). *Evaluation of a novel flow-controlled syringe infusion pump for precise and continuous drug delivery at low flow rates: a laboratory study*. Anaesthesia, 74(11), 1425-1431.

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Bachmann-Gagescu, Ruxandra; **Hackenberg, Annette; Abela, Lucia; Plecko, Barbara;** Kroell-Seger, Judith; Baumer, Alessandra; Yamakawa, Kazuhiro; Inoue, Yushi; Asadolahi, Reza; Sticht, Heinrich; Zeilhofer, Hanns Ulrich; **Rauch, Anita.** (2019). *Further corroboration of distinct functional features in SCN2A variants causing intellectual disability or epileptic phenotypes.* Molecular Medicine, 25, 6.

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**Benz, Caroline.** (2019). *Zürcher Beratungskonzept in Stufen.* Kinder- und Jugendmedizin, 19(03), 159-169.

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## Dissertationen

**Ackermann, Sarah Beatrice** (2019): *Transcatheter atrial septal defect closure in children with and without fluoroscopy : a comparison*  
Referent/in: **Oliver, Kretschmar; Daniel, Qandt**  
University of Zurich, Faculty of Medicine

**Balzer, Julia** (2019): *Assessing and training selective voluntary motor control of the lower extremity in children with brain lesions*  
Referent/in: Hubertus **Van Hedel**  
School of Health Science, Queen Margaret University Edinburgh, Scotland

**Bersuch, Eugen** (2019): *Lung function improvement and airways inflammation reduction in asthmatic children after a rehabilitation program at moderate altitude*  
Referent/in: **Roger, Lauener**  
University of Zurich, Faculty of Medicine

**Goerens, Anouk Simone Lynn** (2019): *Neonatal ventilator associated pneumonia : a quality improvement initiative focusing on antimicrobial stewardship*  
Referent/in: Thomas, Neuhaus; Martin, Stocker  
University of Zurich, Faculty of Medicine

**Gölz, Nadine** (2019): *The role of platelet apoptosis and inflammation in the pathogenesis of pediatric immune thrombocytopenia*  
Referent/in: **David, Nadal; Markus, Schmutz; Liner**; Margaret, Rand; W Wei-Lynn, Wong; Christian, Mosimann; **Oliver, Speer**  
University of Zurich, Faculty of Science

**Kaufmann, Ariane** (2018): *Management of primary tectal plate low-grade glioma in pediatric patients : results of the multicentre treatment study SIOP-LGG 2004*  
Referent/in: **Michael, Grotzer**  
University of Zurich, Faculty of Medicine

**Keller, Rebecca** (2019): *Newborn screening for homocystinurias : recent recommendations versus current practice*  
Referent/in: **Matthias R, Baumgartner; Martina, Huemer**  
University of Zurich, Faculty of Medicine

**Kuhn, Sereina** (2019): *Risk factors for central line-associated bloodstream infections in children with tunneled central venous catheters*  
Referent/in: **Christoph, Berger; Paolo, Paioni**  
University of Zurich, Faculty of Medicine

**Luebben, Anna Vera** (2019): *Algorithms for Crystal Structure Determination in Macromolecular Crystallography*  
Universität Göttingen, Mathematisch-Naturwissenschaftliche Fakultät

**Mannhard, Doris** (2019): *Plastic and orthopaedic interventions and long-term sequelae in children with meningococcal septicemia: 40 years of experience at the University Children's Hospital Zurich*  
Referent/in: **Martin, Meuli; Clemens, Schiestl**  
University of Zurich, Faculty of Medicine

**Mathis, Tamara** (2019): *Glykogenose Typ 1: Die Auswirkung des Enzymdefektes auf Funktion und Regulation des Metabolismus - eine integrative Analyse mittels Metabolomik*  
Referent/in: **Matthias, Baumgartner**  
University of Zurich, Faculty of Medicine

**Meuwly, Eliane Christine** (2019): *Postoperative brain volumes are associated with one-year neurodevelopmental outcome in children with severe congenital heart disease*  
Referent/in: **Bea, Latal**  
University of Zurich, Faculty of Medicine

**Mouttet, Brice** (2018): *Identification of direct targets of the oncogenic fusion protein TCF3-HLF in treatment refractory childhood acute lymphoblastic leukemia*  
Referent/in: **Jean-Pierre, Bourquin; Markus, Manz; Konrad, Basler; Beat, Bornhauser; Matthias Gstaiger**  
University of Zurich, Faculty of Science

**Müller, Sabrina Theresia** (2019): *Neurobiology of Stress: the interconnections of FKBP5, GABA, and BDNF*  
Referent/in: Lutz Jäncke, **Ruth Tuura O'Gorman**, Gregor Hasler  
University of Zurich, Faculty of Arts and Social Sciences

**Petit, Gaetan** (2019): *Local sleep-like events during wakefulness and longterm space travel*  
Referent/in: Nicole, Wenderoth; **Reto, Huber; Christian, Baumann**  
ETH Zürich

**Pfeifer, Mischa Dimitri** (2019): *Signal processing in functional near-infrared spectroscopy (fNIRS) : methodological differences lead to different statistical results*  
Referent/in: **Hubertus, van Hedel**  
University of Zurich, Faculty of Medicine

**Plessl, Tanja** (2019): *Molecular mechanisms and interactions in methylmalonic aciduria*  
Referent/in: **Matthias R, Baumgartner; Beat Werner, Schäfer; Brian, Fowler**; Wyatt W, Yue  
University of Zurich, Faculty of Science

**Rocha Martin, Vanes Natalin** (2019): *Role of Cutibacterium avidum during gut colonization and in the alleviation of infant colic.*  
Referent/in: **Christian, Braegger**  
ETH Zürich

**Rodriguez Martinez, Virginia** (2019): *A VNN2 signature associated with drug resistance in B-cell precursor acute lymphoblastic leukemia*  
Referent/in: **Jean-Pierre, Bourquin; Beat, Bornhauser**; Maries F, van den Broek; Claudia, Lengerke  
University of Zurich, Faculty of Science

**Schmid, Kathrin** (2019): *Frequency distribution of modified Cormack-Lehane views: a retrospective audit of tracheal intubation in children with normal airways*  
Referent/in: **Markus, Weiss**  
University of Zurich, Faculty of Medicine

**Schreck, Leonie Daria** (2019): *Establishment of a three-dimensional culture system as drug screening platform to tailor personalized therapies to rhabdomyosarcoma patients*  
Referent/in: **Beat Werner, Schäfer; Felix, Niggli**  
University of Zurich, Faculty of Medicine

**Urdinez, Joaquin** (2019): *Relevant MicroRNAs in Chondrosarcoma Progression*  
Referent/in: **Beat, Schäfer**; Lubor, Borsig; Jan, Krützfeldt; Jess, Snedeker  
University of Zurich, Faculty of Medicine

## Habilitationen

**Christmann, Martin** (2019): *Advantages and pit-falls of current diagnostic modalities for coronary anatomy and function in paediatric cardiology*  
University of Zurich, Faculty of Medicine

**Hunziker, Manuela** (2018): *Vesicoureteral reflux in children and families*  
University of Zurich, Faculty of Medicine

**Quandt, Daniel** (2018): *Cardiac catheter interventions in small children - new trends and clinical applications*  
University of Zurich, Faculty of Medicine

**Roduit, Caroline** (2019): *Oral Immunotherapy for the treatment of food allergy*  
University of Zurich, Faculty of Medicine

**Werner, Helene** (2018): *Health-related quality of life and psychological adjustment in pediatric patients with chronic diseases*  
University of Zurich, Faculty of Medicine

## Masterarbeiten

**Anyig, Christelle** (2019): *The plagiocephalometry assessment: a cross-sectional reliability study of the German version in infants and young children with skull asymmetries*  
Referent/in: **Hubertus van Hedel**  
Zürcher Hochschule für angewandte Wissenschaften (ZHAW)

**Bartal, Timm** (2019): *Behavioral difficulties in very preterm children at five years of age using the Strengths and Difficulties Questionnaire: a multicenter cohort study*  
Referent/in: **Beatrix Latal Hajnal**  
University of Zurich, Faculty of Medicine

**Brestel, Jessica Amanda** (2019): *Longterm outcomes and health related quality of life in patients with corrected esophageal atresia in Switzerland*  
Referent/in: **Ulrike Subotic, Martin Meuli**  
University of Zurich, Faculty of Medicine

**Brun, Brittany** (2019): *Radiofrequency Catheter Ablation of Paediatric Focal Atrial Tachycardia Using Modern 3D Mapping Systems*  
Referent/in: **Christian Balmer**  
University of Zurich, Faculty of Medicine

**Büchler, Vanessa Lisa** (2019): *Characterization of distinct melanocyte populations in human interfollicular epidermis*  
Referent/in: **Agnes Silvia Klar, Thomas Biedermann**  
University of Zurich, Faculty of Medicine

**Bulloni, Agata** (2019): *Studying cortical activity using fNIRS in children with neuromotor disorders during supported walking: a feasibility study*  
Referent/in: **Hubertus van Hedel, Anja Gut**  
ETH Zürich

**Büeler, Silvan** (2019): *Primary motor cortex activation during a discrete vs. a rhythmic wrist movement task – an fNIRS study*  
Referent/in: **Rob Labruyère, Hubertus van Hedel**  
ETH Zürich

**Caprez, Reto** (2019): *Evaluating sequential changes in territorial perfusion (H2[150]-Positron Emission Tomography) after cerebral revascularization in pediatric moyamoya*  
Referent/in: **Nadia Khan**  
University of Zurich, Faculty of Medicine

**Dimitrijevic, Predrag** (2019): *Der Einfluss von Sympathie, Vertrautheit und emotionaler Valenz auf die physiologische Synchronität zweier*  
Referent/in: **Markus Landolt**  
Universität Zürich, Philosophische Fakultät

**Fauchère, Meret** (2019): *Retrospective Study of Critically ill Children with Chronic Conditions*

*in a Swiss Paediatric Intensive Care Unit.*  
Referent/in: **Bernhard Frey**  
University of Zurich, Faculty of Medicine

**Fenner, Diana** (2019): *„Toxic shock syndrome“ als neue Entität – Entwicklung der Krankheitsdefinition.*  
Referent/in: **David Nadal**  
Universität Zürich, Medizinische Fakultät

**Fivian, Matthias** (2019): *Analysis of the therapeutic yield of computed tomography scans in children presenting with seizures. A retrospective analysis of children admitted to the pediatric intensive care unit at the University Children's Hospital Zurich*  
Referent/in: **Bernhard Frey**  
University of Zurich, Faculty of Medicine

**Ganz, Denise** (2019): *Zugang zur Heilpädagogischen Früherziehung im Kanton Zürich: Perspektiven der Eltern und Fachpersonen*  
Referent/in: **Oskar Jenni, Matthias von Rhein**  
Zürcher Hochschule für angewandte Wissenschaften (ZHAW)

**Geiger, Léa** (2019): *Tageszeitliche und schlafabhängige Veränderungen der Aufmerksamkeitssteuerung und Impulskontrolle: Kinder und Jugendliche mit Aufmerksamkeitsdefizit-Hyperaktivitätsstörung und eine Kontrollgruppe im Vergleich*  
Referent/in: **Reto Huber**  
Universität Zürich, Medizinische Fakultät

**Gossweiler, Emmanuel** (2019): *Recurrent inflammatory disease caused by a heterozygous mutation in CD48. Mouse model of CD48 haploinsufficiency*  
Referent/in: **Jana Pachlopnik Schmid, Stefano Vavassori**  
University of Zurich, Faculty of Medicine

**Goedert, Marine** (2019): *Reliability and validity of the German translation of the Pediatric Balance Scale in children with neuromotor disorders*  
Referent/in: **Hubertus van Hedel**  
Zürcher Hochschule für angewandte Wissenschaften (ZHAW)

**Greiter, Beat Michael** (2019): *Lymphocyte Subsets in HIV-Exposed Uninfected Infants: the Impact of Neonatal Postexposure Prophylaxis with Zidovudine*  
Referent/in: **Paolo Paioni, Christoph Berger**  
University of Zurich, Faculty of Medicine

**Gröble, Sabrina** (2019): *Differences in Gait Parameters in Real versus Projected Everyday Life Walking Scenarios in Healthy Children and Adolescents.*  
Referent/in: **Corinne Ammann, Hubertus van Hedel**  
ETH Zürich

**Hijman, Anna-Isabella** (2019): *Determining Reference Ranges for total T4 in Dried Blood Samples from Newborn Screening.*  
Referent/in: **Daniel Konrad, Ralph Fingerhut**  
University of Zurich, Faculty of Medicine

**Isler, Jasmine** (2019): *Improvement of diagnostic yield in carbamoylphosphate synthetase 1 (CPS1) molecular genetic investigation by RNA sequencing*  
Referent/in: **Johannes Häberle**  
University of Zurich, Faculty of Medicine

**Keller, Niko** (2019): *Selective slow-wave sleep deprivation as a potential treatment approach in children and adolescents with Major Depressive Disorder – a qualitative review of current research*  
Referent/in: **Miriam Gerstenberg, Reto Huber**  
University of Zurich, Faculty of Medicine

**Juan, Yanick** (2019): *Der Zusammenhang von Emotionsansteckung und Physiological Linkage*  
Referent/in: **Markus Landolt**  
Universität Zürich, Philosophische Fakultät

**Korevaar, Lea** (2019): *Brain Maturation and Cognitive Functioning in Children with a Congenital Heart Disease: Slow Wave Activity connected to the Intelligence Quotient*  
Referent/in: **Lutz Jäncke, Reto Huber, Flavia Wehrle**  
Universität Zürich, Philosophische Fakultät

**Kerstein, Leandra** (2019): *Veränderung von präfrontaler Glutamat und GABA Konzentration nach Schlafrestriktion mittel Magnetresonanz-Spektroskopie*  
Referent/in: **Reto Huber, Angelina Maric, Katharina Henke**  
Universität Bern

**Killian, Michael** (2019): *Fatal infections in primary immunodeficiencies – how to setup a systematic review*  
Referent/in: **Jana Pachlopnik Schmid, Andrea A. Mauracher**  
University of Zurich, Faculty of Medicine.

**Lach, Selina** (2019): *Blood trauma potential of the HeartWare Ventricular Assist Device in pediatric patients*  
Referent/in: **Marcus Granegger, Martin Schweiger**  
University of Zurich, Faculty of Medicine

**Locher, Benedikt** (2019): *Comparative analysis of cardiac energetics in isolated hearts supported by pulsatile or rotary blood pumps – implications for cardiac recovery?*  
Referent/in: **Marcus Granegger, Martin Schweiger**  
University of Zurich, Faculty of Medicine

**Looser, Rebekka** (2019): *Familiäre Risikofaktoren für eine ungünstige metabolische Kontrolle bei Kindern und Jugendlichen mit Typ-1-Diabetes*

Referent/in: **Markus Landolt**

Universität Zürich, Philosophische Fakultät

**Lunin, Jana** (2019): *Zusammenhang zwischen exekutiven Funktionen und Lebensqualität bei ehemaligen Frühgeborenen im Schulalter*

Referent/in: **Bea Latal, Flavia Wehrle**

Universität Zürich, Medizinische Fakultät

**Mahler, Jasmin** (2019): *The Influence of Strength on Selective Voluntary Movement Control Outcomes of the Upper Limb in Children with Neurological Disorders*

Referent/in: Jeffrey Keller, **Hubertus van Hedel**

**Hedel**

ETH Zürich

**Manetsch, Patrick** (2019): *Identification of USP22 as a regulator of PAX3-FOXO1 protein stability in alveolar Rhabdomyosarcoma*

Referent/in: **Beat Schäfer**

University of Zurich, Molecular and Cellular Biology, MNF

**Mattern, Johanna** (2019): *Der zeitliche Verlauf von dysfunktionalen posttraumatischen Kognitionen bei Kindern und Jugendlichen nach einem Verkehrs- oder Verbrennungsunfall*

Referent/in: **Markus Landolt**

Universität Zürich, Philosophische Fakultät

**Peter, Maike Lisa** (2019): *Anleitung zur korrekten Gipsanlage beim Kind – Die zehn häufigsten Kindergipse – Medienarbeit*

Referent/in: **Michelle Seiler , Sophie**

**Böttcher-Haberzeth**

Universität Zürich, Medizinische Fakultät

**Pyngottu, Ashima** (2019): *Health-related quality of life and psychological adjustment of children and adolescents with pacemakers and implantable cardioverter defibrillators: A systematic review*

Referent/in: **Christian Balmer**

University of Zurich, Faculty of Medicine

**Redard-Jacot, Céline** (2019): *Der Zusammenhang von kognitiver Leistung und Schlafspindeln: Kinder und Jugendliche mit Aufmerksamkeitsdefizit-Hyperaktivitätsstörung und eine Kontrollgruppe im Vergleich*

Referent/in: **Reto Huber**

Universität Zürich, Medizinische Fakultät

**Reddy, Veena** (2019): *Zurich Appearance Score for Hands (ZASH): Validierung eines Messinstrumentes zur subjektiven Wahrnehmung des Aussehens von Handfehlbildungen*

Referent/in: **Markus Landolt**

Universität Zürich, Philosophische Fakultät

**Rietmann, Fabian** (2019): *Characterization of oncogenic mechanisms in TCF3-HLF-driven Acute Lymphoblastic Leukemia*

Referent/in: **Beat Bornhauser**

University of Zurich, Cancer Biology, MNF

**Rota, Claudia** (2019): *Übersetzung und Test-Retest Reliabilitätsprüfung des Mini-Assisting Hand Assessments (Mini-AHA)*

Referent/in: **Hubertus van Hedel**

Carl Remigius Medical School (CRMS),

Frankfurt am Main, Deutschland

**Russo, Linda** (2019): *Identification and targeting of endocytic regulators involved in cell migration control in medulloblastoma*

Referent/in: **Martin Baumgartner**

University of Zurich, Cancer Biology, MNF.

**Sasivari, Zerir** (2019): *Double Variants in Thyroid Stimulating Hormone Receptor (TSHR) and Dual Oxidase 2 (DUOX2) in a patient with Hypothyroidism: Case report*

Referent/in: **Daniel Konrad, M. Lang-Muritano**

**tano**

University of Zurich, Faculty of Medicine

**Scheifele, Carmen** (2019): *Hämodynamische und klinische Entwicklung von Patienten nach Fontankompletterung*

Referent/in: **Marcus Granegger , Martin**

**Schweiger**

Universität Zürich, Medizinische Fakultät

**Schönholzer, Marc Thomas** (2019): *Sensing ERK activation in medulloblastoma in real-time: A means of efficient evaluation of drug efficacies and pathway crosstalk*

Referent/in: **Martin Baumgartner**

University of Zurich, Cancer Biology, MNF

**Schuler, Stefanie Katharina** (2019): *Infektiöse Endokarditis am Universitäts-Kinderspital Zürich. Retrospektive Analyse der Jahre 2006 bis 2017*

Referent/in: **Walter Knirsch**

Universität Zürich Medizinische fakultät

**Stöckli, Alexandra** (2019): *Effects of correcting for prematurity of EF task performance of very preterm children*

Referent/in: Regula Everts, **Flavia Wehrle**

Universität Bern

**Tschudin, Rebecca Marina** (2019): *Angiographic efficacy of surgical revascularisation techniques in pediatric Moyamoya angiopathy .*

Referent/in: **Nadia Khan**

University of Zurich, Faculty of Medicine

**Ullrich, Cinzia** (2019): *A Systematic Review of Neurocognitive Outcome in Children with Congenital Heart Disease at School Age. Part 1: Protocol and search terms*

Referent/in: Ulrike Held, **Beatrix Latal Hajnal**  
University of Zurich, Faculty of Medicine

**Valencia Gonzalez, Anna** (2019): *Approaches to Establish Extracardiac Total Cavopulmonary Connections in Animal Models - A Review*

Referent/in: **Marcus Granegger, Martin**

**Schweiger**

University of Zurich, Faculty of Medicine

**Venzin, Selina** (2019): *Brain Maturation and Cognitive Functioning in Children with Congenital Heart Disease: The Association between Sleep Spindles and Cognition*

Referent/in: Lutz Jäncke, **Reto Huber, Flavia**

**Wehrle**

Universität Zürich, Philosophische Fakultät

**Vrankovic, Matia Iva** (2019): *Simplified Digital Balance Assessment in Typically Developing School Children*

Referent/in: **Matthias Rüger , Martin Meuli**

University of Zurich, Faculty of Medicine

**Widmer, Natacha** (2019): *Schlafdefizit & Schulstartverschiebung aus Sicht von Zürcher Jugendlichen: Eine multivariate Analyse verschiedener Einflussfaktoren auf die Präferenz für einen späteren Schulstart*

Referent/in: **Markus Landolt**

Universität Zürich, Philosophische Fakultät

**Wirth, Michael** (2019): *Chondrogenic effects of Traditional Chinese Medicine compounds on osteoarthritic chondrocytes in vitro*

Referent/in: Sibylle Grad, **Daniel Max Weber**

University of Zurich, Faculty of Medicine

**Yaw, Mei Ling** (2019): *Jugendliche leiden unter einem Schlafdefizit: Wie stehen Gymnasial-Lehrpersonen aus dem Kanton Zürich zu einem späteren Schulstart?*

Referent/in: **Markus Landolt**

Universität Zürich, Philosophische Fakultät

## Herausragende Publikationen (IF>10)

**Challa, Tenagne D.; Wueest, Stephan; Lucchini, Fabrizio C.; Dedual, Mara;** Modica, Salvatore; **Borsigova, Marcela;** Wolfrum, Christian; Blüher, Matthias; **Konrad, Daniel.** (2019). *Liver ASK1 protects from non-alcoholic fatty liver disease and fibrosis.* EMBO Molecular Medicine, 11(10), e10124.

**Guerreiro Stucklin, Ana S.;** Ryall, Scott; Fukuoka, Kohei; Zapotocky, Michal; Lassaletta, Alvaro; **Grotzer, Michael A.;** et al. (2019). *Alterations in ALK/ROS1/NTRK/MET drive a group of infantile hemispheric gliomas.* Nature Communications, 10(1), 4343.

**Jakab, Andras; Meuwly, Eliane; Feldmann, Maria; von Rhein, Michael; Kottke, Raimund; O’Gorman Tuura, Ruth; Latal, Beatrice; Knirsch, Walter.;** Research Group, Heart; Brain. (2019). *Left temporal plane growth predicts language development in newborns with congenital heart disease.* Brain: a journal of neurology, 142(5), 1270-1281.

**Meyer Sauter, Patrick M.; Seiler, Michelle; Trück, Johannes;** Unger, Wendy W. J.; **Paioni, Paolo; Relly, Christa; Staubli, Georg; Haas, Thorsten; Gysin, Claudine;** M. Bachmann, Lucas; van Rossum, Annemarie M. C.; **Berger, Christoph.** (2019). *Diagnosis of Mycoplasma pneumoniae Pneumonia with Measurement of Specific Antibody-Secreting Cells.* American Journal of Respiratory and Critical Care Medicine, 200(8), 1066-1069.

**McComb, Scott;** Chan, Pik Ki; Guinot, Anna; Hartmannsdottir, Holmfridur; **Jenni, Silvia;** Dobay, Maria Pamela; **Bourquin, Jean-Pierre; Bornhauser, Beat C.** (2019). *Efficient apoptosis requires feedback amplification of upstream apoptotic signals by effector caspase-3 or -7.* Science Advances, 5(7), aau9433.

**Nüesch, Ursina; Mauracher, Andrea A.; Opitz, Lennart; Volkmer, Benjamin; Michalak-Mińska, Katarzyna;** Kamarashev, Jivko; Hartwig, Tom; **Reichmann, Ernst;** Becher, Burkhard; **Vavassori, Stefano; Pachlopnik Schmid, Jana.** (2019). *Epithelial proliferation in inflammatory skin disease is regulated by tetratricopeptide repeat domain 7 (Ttc7) in fibroblasts and lymphocytes.* Journal of Allergy and Clinical Immunology, 143(1), 292-304.e298.

**Volkmer, Benjamin; Planas, Raquel; Gossweiler, Emanuel; Lünemann, Anna; Opitz, Lennart; Mauracher, Andrea; Nüesch, Ursina;** Gayden, Tenzin; Kaiser, Daniela; Drexel, Barbara; Dumrese, Claudia; Jabado, Nada; **Vavassori, Stefano; Pachlopnik Schmid, Jana.** (2019). *Recurrent inflammatory disease caused by a heterozygous mutation in CD48.* Journal of Allergy and Clinical Immunology, 144(5), 1441-1445.e1417.



# Preise und Ehrungen

**Aurich, Tabea**, Rehabilitation, **Eberhart-Ketz Preis** der Pro Humanis Stiftung für ihre Arbeiten zum robotisch-gestützten Rehabilitation bei Kindern und Jugendlichen

**Bartals, Timm**, Entwicklungspädiatrie, **UZH Semesterpreis der Universität Zürich**, «Behavioral difficulties in very preterm children at five years of age using the Strengths and Difficulties Questionnaire: a multicenter cohort study»

**Bartels, Lasse**, Psychiatrie, **Best poster award at the 9th FZK/CRC Retreat**, «The Acute Traumatic Stress Symptoms Network Structure in Young Children»

**Berger, Christoph**, Infektiologie, **Guido Fanconi Gedenkpreis 2019 verliehen von der Schweizerischen Gesellschaft für Pädiatrie (SGP)**

**Callegari, Alessia**, Kardiologie, **Moderated Poster Preis AEPC 2019**, «Parameters of myocardial deformation in single ventricle patients after Fontan palliation - assessment by feature tracking cardiovascular magnetic resonance»

**Dittli, Jan**, Rehabilitation, **Anna-Müller Grocholski-Prize** zur Förderung der Forschung im Bereich Kinderrehabilitation, «Klinische Anwendung und Machbarkeit einer aufgabenorientierten Handtherapie mit Unterstützung eines pädiatrischen Hand Exoskeletts (PEXO)»

**Forny, Patrick**, Stoffwechsel, **Creativity prize of the department of pediatric surgery at the 9th FZK/CRC Retreat**, «Integrative multiomics approach to unravel disease causes and mechanisms of methylmalonic aciduria»

**Goedert, Marine**, Rehabilitation, **beste Masterarbeit in der Physiotherapie** der Zürcher Hochschule für angewandte Wissenschaften (ZHAW), «Reliability and Validity of the

German translation of the Pediatric Balance Scale in children with neuromotor deficits»

**Häberle, Johannes**, Stoffwechsel, **Garrod Award inkl. Lecture at SSIEM annual symposium**, «Urea cycle disorders: of ammonia, dialysis and future directions in management»

**Holz, Sepp**, Entwicklungspädiatrie, **Lehrpreis des Kinderspitals Zürich**

**Laubacher, Dominik**, Onkologie, **Best poster award at the 9th FZK/CRC Retreat**, «A potential role of SWI/SNF complexes as functional cofactors of PAX3-FOXO1 contributing to differentiation blockage in alveolar rhabdomyosarcoma»

**Lieber, Jan**, Rehabilitation, **Anna-Müller Grocholski-Prize** zur Förderung der Forschung im Bereich Kinderrehabilitation, «Klinische Anwendung und Machbarkeit einer aufgabenorientierten Handtherapie mit Unterstützung eines pädiatrischen Hand Exoskeletts (PEXO)»

**Kucian, Karin**, MR-Forschung, **Prize for best research of the Swiss Society of Dyslexia/Dyscalculia (Verband Dyslexie Schweiz VDS)**

**Labruyère, Rob**, Rehabilitation, **Eberhart-Ketz Preis** der Pro Humanis Stiftung für ihre Arbeiten zum robotisch-gestützten Rehabilitation bei Kindern und Jugendlichen

**Marsico, Petra**, Rehabilitation, **Anna-Müller Grocholski-Prize** zur Förderung der Forschung im Bereich Kinderrehabilitation, «Somatosensory function and body awareness in children with neuromotor disorders focusing on the lower limb»

**McCaskey, Ursina**, MR-Forschung, **Best oral presentation award at the 9th FZK/CRC Retreat**, «Can we predict the development of numerical competences based on brain imaging?»

**Meyer Sauter, Patrick**, Infektiologie, **Prize for best oral presentation**, SwissPedNet Translational & Clinical Research Session, Annual Congress of the Swiss Society of Pediatrics (SSP), 2019; Bellinzona

**Meyer Sauter, Patrick**, Infektiologie, **2nd Prize of the Swiss Society for Infectious Diseases (SSI) Awards 2019** in the category "Clinical Research in Infectious Diseases", Annual Congress of the Swiss Society for Infectious Diseases (SSI), 2019; Lausanne

**Odermatt, Timothy**, Endokrinologie, **Best Student Presentation** an der Jahrestagung der Schweizerischen Gesellschaft für Endokrinologie und Diabetologie (SGED), «Adipocyte-specific gp130 signalling mediates exercise-induced weight reduction»

**Planas, Raquel**, Immunologie, **Best oral presentation award at the 9th FZK/CRC Retreat**, «Recurrent inflammatory disease caused by a heterozygous mutation in CD48»

**Rast, Fabian**, Rehabilitation, **Anna-Müller Grocholski-Prize** zur Förderung der Forschung im Bereich Kinderrehabilitation, «And what do families really want? A systematic overview of pediatric rehabilitation goals»

**Skorucak, Jelena**, Entwicklungspädiatrie, **Best oral presentation award at the 9th FZK/CRC Retreat**, «Automatic detection of spikes in pediatric patients with spike-wave epilepsy»

**Usemann, Jakob**, Pneumologie, **Talent Preis Schweizer Gesellschaft für Pädiatrie**

**Weber, Ronja**, Pneumologie, **Best poster award at the 9th FZK/CRC Retreat**, «Identification of disease-specific molecular breath profiles in patients with allergic asthma»