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PUBLIKATIONEN

Bereich Medizin

Medizinische Universitätsklinik

Abteilung Allgemeine Innere und Notfallmedizin

Baumgartner A, Moesch M, Zumsteg M, Struja T, Bernet S, Medinger M, Mueller B, Passweg J, Bargetzi M, Schuetz P: **Predictors of impaired bone health in long-term survivors after allogeneic stem cell transplantation.** *Bone Marrow Transplant* 2019, 54(10):1651-1661. IF 4.7

Baumgartner T, Zurauskaite G, Steuer C, Bernasconi L, Huber A, Mueller B, Schuetz P: **Association of serum sphingomyelin profile with clinical outcomes in patients with lower respiratory tract infections: results of an observational, prospective 6-year follow-up study.** *Clin Chem Lab Med* 2019, 57(5):679-689. IF 3.6

Blum CA, Schuetz P, Nigro N, Winzeler B, Arici B, Refardt J, Urwyler SA, Rodondi N, Blum MR, Briel M, Mueller B, Christ-Crain M: **Cosyntropin testing does not predict response to glucocorticoids in community-acquired pneumonia in a randomized controlled trial.** *Clin Endocrinol (Oxf)* 2019, 91(3):374-382. IF 2.8

Bolliger R, Neeser O, Merker M, Vukajlovic T, Felder L, Fiumefreddo R, Haubitz S, Koch D, Hammerer-Lercher A, Ottiger C, Fux CA, Mueller B, Schuetz P: **Validation of a Prediction Rule for Legionella Pneumonia in Emergency Department Patients.** *Open Forum Infect Dis* 2019, 6(7):ofz268. IF 3.3

Branche A, Neeser O, Mueller B, Schuetz P: **Procalcitonin to guide antibiotic decision making.** *Curr Opin Infect Dis* 2019, 32(2):130-135. IF 3.7

Ebrahimi F, Urwyler SA, Schuetz P, Mueller B, Bernasconi L, Neyer P, Donath MY, Christ-Crain M: **Effects of interleukin-1 antagonism on cortisol levels in individuals with obesity: a randomized clinical trial.** *Endocr Connect* 2019, 8(6):701-708. IF 2.4

Ebrahimi F, Widmer A, Wagner U, Mueller B, Schuetz P, Christ-Crain M, Kutz A: **Association of adrenal insufficiency with patient-oriented health-care outcomes in adult medical inpatients.** *Eur J Endocrinol* 2019. IF 5.1

Ebrahimi F, Wolffenbittel C, Blum CA, Baumgartner C, Mueller B, Schuetz P, Meier C, Kraenzlin M, Christ-Crain M, Betz MJ: **Fibroblast growth factor 21 predicts outcome in community-acquired pneumonia: secondary analysis of two randomised controlled trials.** *Eur Respir J* 2019, 53(2). IF 12.2

Eckart A, Hauser SI, Haubitz S, Struja T, Kutz A, Koch D, Neeser O, Meier MA, Mueller B, Schuetz P: **Validation of the hospital frailty risk score in a tertiary care hospital in Switzerland: results of a prospective, observational study.** *BMJ Open* 2019, 9(1):e026923. IF 2.3

Eckart A, Hauser SI, Kutz A, Haubitz S, Hausfater P, Amin D, Amin A, Huber A, Mueller B, Schuetz P: **Combination of the National Early Warning Score (NEWS) and inflammatory biomarkers for early risk stratification in emergency department patients: results of a multinational, observational study.** *BMJ Open* 2019, 9(1):e024636. IF 2.3

Eckart A, Struja T, Kutz A, Baumgartner A, Baumgartner T, Zurfluh S, Neeser O, Huber A, Stanga Z, Mueller B, Schuetz P: **Relationship of nutritional status, inflammation, and serum albumin levels during acute illness: A prospective study.** *Am J Med* 2019. IF 4.7

Faessler L, Brodbeck J, Schuetz P, Haubitz S, Mueller B, Perrig-Chiello P: **Medical patients' affective well-being after emergency department admission: The role of personal and social resources and health-related variables.** *PLoS One* 2019, 14(3):e0212900. IF 2.7

Gomes F, Baumgartner A, Bounoure L, Bally M, Deutz NE, Greenwald JL, Stanga Z, Mueller B, Schuetz P: **Association of Nutritional Support With Clinical Outcomes Among Medical Inpatients Who Are Malnourished or at Nutritional Risk: An Updated Systematic Review and Meta-analysis.** *JAMA Netw Open* 2019, 2(11):e1915138. IF 10.0

Haubitz-Eschelbach A, Durmisi M, Haubitz S, Kutz A, Mueller B, Greenwald JL, Schuetz P: **The glory of the age is the wisdom of grey hair: association of physician appearance with outcomes in hospitalised medical patients - an observational study.** *Swiss Med Wkly* 2019, 149:w20162. IF 1.5

Hersberger L, Bargetzi L, Bargetzi A, Tribolet P, Fehr R, Baechli V, Geiser M, Deiss M, Gomes F, Kutz A, Kagi-Braun N, Hoess C, Pavlicek V, Schmid S, Bilz S, Sigrist S, Brandle M, Benz C, Henzen C, Nigg M, Thomann R, Brand C, Rutishauser J, Aujesky D, Rodondi N, Donze J, Stanga Z, Mueller B, Schuetz P: **Nutritional risk screening (NRS 2002) is a strong and modifiable predictor risk score for short-term and long-term clinical outcomes: secondary analysis of a prospective randomised trial.** *Clin Nutr* 2019. IF 6.4

Bereich Medizin

Koch D, Schuetz P, Haubitz S, Kutz A, Mueller B, Weber H, Regez K, Conca A, Triage Study G: **Improving the post-acute care discharge score (PACD) by adding patients' self-care abilities: A prospective cohort study.** *PLoS One* 2019, 14(3):e0214194. IF 2.7

Kozhuharov N, Goudev A, Flores D, Maeder MT, Walter J, Shrestha S, Gualandro DM, de Oliveira Junior MT, Sabti Z, Muller B, Noveanu M, Socrates T, Ziller R, Bayes-Genis A, Sionis A, Simon P, Michou E, Gujer S, Gori T, Wenzel P, Pfister O, Conen D, Kapos I, Kobza R, Rickli H, Breidthardt T, Munzel T, Erne P, Mueller C, Investigators G: **Effect of a Strategy of Comprehensive Vasodilation vs Usual Care on Mortality and Heart Failure Rehospitalization Among Patients With Acute Heart Failure: The GALACTIC Randomized Clinical Trial.** *JAMA* 2019, 322(23):2292-2302. IF 37.6

Kutz A, Gut L, Ebrahimi F, Wagner U, Schuetz P, Mueller B: **Association of the Swiss Diagnosis-Related Group Reimbursement System With Length of Stay, Mortality, and Readmission Rates in Hospitalized Adult Patients.** *JAMA Netw Open* 2019, 2(2):e188332. IF 10.0

Kutz A, Koch D, Conca A, Baechli C, Haubitz S, Regez K, Schild U, Caldara Z, Ebrahimi F, Bassetti S, Eckstein J, Beer J, Egloff M, Kaplan V, Ehmann T, Hoess C, Schaad H, Wagner U, de Geest S, Schuetz P, Mueller B: **Integrative hospital treatment in older patients to benchmark and improve outcome and length of stay - the In-HospITool study.** *BMC Health Serv Res* 2019, 19(1):237. IF 2.7

Merker M, Amsler A, Pereira R, Bolliger R, Tribolet P, Braun N, Hoess C, Pavlicek V, Bilz S, Sigrist S, Brandle M, Henzen C, Thomann R, Rutishauser J, Aujesky D, Rodondi N, Donze J, Stanga Z, Mueller B, Schuetz P: **Vitamin D deficiency is highly prevalent in malnourished inpatients and associated with higher mortality: A prospective cohort study.** *Medicine (Baltimore)* 2019, 98(48):e18113. IF 2.1

Neeser O, Branche A, Mueller B, Schuetz P: **How to: implement procalcitonin testing in my practice.** *Clin Microbiol Infect* 2019, 25(10):1226-1230. IF 6.4

Neeser OL, Vukajlovic T, Felder L, Haubitz S, Hammerer-Lercher A, Ottiger C, Mueller B, Schuetz P, Fux CA: **A high C-reactive protein/procalcitonin ratio predicts Mycoplasma pneumoniae infection.** *Clin Chem Lab Med* 2019, 57(10):1638-1646. IF 3.5

Plate S, Faessler L, Projektgruppe KSA, Conca A: **Verlust der Selbstpflegefähigkeit bei internistisch stationären Patienten: Identifizierung von Faktoren, die mit einem Verlust der Selbstpflegefähigkeit assoziiert sind.** *Klinische Pflegeforschung* 2019, 5: 44-59

Saeed K, Wilson DC, Bloos F, Schuetz P, van der Does Y, Melander O, Hausfater P, Legramante JM, Claessens YE, Amin D, Rosenqvist M, White G, Mueller B, Limper M, Callejo CC, Brandi A, Macchi MA, Cortes N, Kutz A, Patka P, Yanez MC, Bernardini S, Beau N, Dryden M, van Gorp ECM, Minieri M, Chan L, Rood PPM, Del Castillo JG: **Correction to: The early identification of disease progression in patients with suspected infection presenting to the emergency department: a multi-centre derivation and validation study.** *Crit Care* 2019, 23(1):255. IF 6.9

Saeed K, Wilson DC, Bloos F, Schuetz P, van der Does Y, Melander O, Hausfater P, Legramante JM, Claessens YE, Amin D, Rosenqvist M, White G, Mueller B, Limper M, Callejo CC, Brandi A, Macchi MA, Cortes N, Kutz A, Patka P, Yanez MC, Bernardini S, Beau N, Dryden M, van Gorp ECM, Minieri M, Chan L, Rood PPM, Del Castillo JG: **The early identification of disease progression in patients with suspected infection presenting to the emergency department: a multi-centre derivation and validation study.** *Crit Care* 2019, 23(1):40. IF 6.9

Sailer CO, Winzeler B, Nigro N, Bernasconi L, Mueller B, Christ-Crain M: **Influence of Outdoor Temperature and Relative Humidity on Incidence and Etiology of Hyponatremia.** *J Clin Endocrinol Metab* 2019, 104(4):1304-1312. IF 5.4

Schuetz P, Fehr R, Baechli V, Geiser M, Deiss M, Gomes F, Kutz A, Tribolet P, Bregenzer T, Braun N, Hoess C, Pavlicek V, Schmid S, Bilz S, Sigrist S, Brandle M, Benz C, Henzen C, Mattmann S, Thomann R, Brand C, Rutishauser J, Aujesky D, Rodondi N, Donze J, Stanga Z, Mueller B: **Individualised nutritional support in medical inpatients at nutritional risk: a randomised clinical trial.** *Lancet* 2019, 393(10188):2312-2321. IF 59.1

Schuetz P, Stanga Z, Mueller B: **Optimising early nutritional support for medical inpatients - Authors' reply.** *Lancet* 2019, 394(10214):2070-2071. IF 59.1

Struja T, Eckart A, Kutz A, Neyher P, Kraenzlin M, Mueller B, Meier C, Bernasconi L, Schuetz P: **Metabolomics and Their Ability to Distinguish Thyroid Disorders: A Retrospective Pilot Study.** *Horm Metab Res* 2019, 51(4):256-260. IF 2.4

Struja T, Jutzi R, Imahorn N, Kaeslin M, Boesiger F, Kutz A, Mundwiler E, Huber A, Kraenzlin M, Mueller B, Meier C, Bernasconi L, Schuetz P: **Comparison of Five TSH-Receptor Antibody Assays in Graves' disease: results from an observational pilot study.** *BMC Endocr Disord* 2019, 19(1):38. IF 1.8

Bereich Medizin

Struja T, Mueller B, Christ-Crain M: **Water Supplementation Reduces Copeptin and Plasma Glucose in Adults with high Copeptin: The H2O Metabolism Pilot Study.** *J Clin Endocrinol Metab* 2019. IF 5.4

Urwyler SA, Blum CA, Coslovsky M, Mueller B, Schuetz P, Christ-Crain M: **Cytokines and Cortisol - predictors of treatment response to corticosteroids in community-acquired pneumonia?** *J Intern Med* 2019, 286(1):75-87. IF 6.0

Vogeli A, Ghasemi M, Gregoriano C, Hammerer A, Haubitz S, Koch D, Kutz A, Mueller B, Schuetz P: **Diagnostic and prognostic value of the D-dimer test in emergency department patients: secondary analysis of an observational study.** *Clin Chem Lab Med* 2019, 57(11):1730-1736. IF 3.5

Angiologie

Kieback AG, Espinola-Klein C, Lamina C, Moebus S, Tiller D, Lorbeer R, Schulz A, Meisinger C, Medenwald D, Erbel R, Kluttig A, Wild PS, Kronenberg F, Kroger K, Ittermann T, Dorr M. **One simple claudication question as first step in Peripheral Arterial Disease (PAD) screening: A meta-analysis of the association with reduced Ankle Brachial Index (ABI) in 27,945 subjects.** *PLoS One* 2019;14:e0224608. IF 2.7

Dermatologie und Allergologie

Cazzaniga S, Anzengruber F, Augustin M, Boehncke WH, Borradori L, Conrad C, Cozzio A, Djamei V, French LE, Gilliet M, Hausermann P, Heidemeyer K, Itin P, Koliou AGA, Laffitte E, Maul JT, Mainetti C, Naldi L, Navarini AA, Rustenbach SJ, Simon D, Sorbe C, Streit M, Yawalkar N. **Linkage between patients' characteristics and prescribed systemic treatments for psoriasis: a semantic connectivity map analysis of the Swiss Dermatology Network for Targeted Therapies registry.** *J Eur Acad Dermatol Venereol* 2019;33:2313-8. IF 5.1

Maul JT, Navarini AA, Sommer R, Anzengruber F, Sorbe C, Mrowietz U, Drach M, Blome C, Boehncke WH, Thaci D, Reich K, von Kiedrowski R, Korber A, Yawalkar N, Mainetti C, Laffitte E, Streit M, Rustenbach S, Conrad C, Borradori L, Gilliet M, Cozzio A, Itin P, Hausermann P, French LE, Radtke MA, Augustin M. **Gender and age significantly determine patient needs and treatment goals in psoriasis - a lesson for practice.** *J Eur Acad Dermatol Venereol* 2019;33:700-8. IF 5.1

Pereira MP, Zeidler C, Nau T, Bobko S, Evers AWM, Garcovich S, Goncalo M, Halvorsen JA, Lambert J, Legat FJ, Leslie T, Metz M, Misery L, Nordlind K, Reich A, Schneider G, Stander H, Streit M, Szepietowski JC, Wallengren J, Weisshaar E, Stander S, Pruritus ETF. **Position Statement: Linear prurigo is a subtype of chronic prurigo.** *J Eur Acad Dermatol Venereol* 2019;33:263-6. IF 5.1

Streit M. **[Modern concept of pruritus diagnosis and therapy].** *Ther Umsch* 2019;76:92-7. IF 0.1

Zeidler C, Steinke S, Riepe C, Bruland P, Soto-Rey I, Storck M, Garcovich S, Blome C, Bobko S, Legat FJ, Potekaev N, Lvov A, Misery L, Weger W, Reich A, Savk E, Streit M, Serra-Baldrich E, Szepietowski JC, Yosipovitch G, Chen SC, Dugas M, Stander S. **Cross-European validation of the ItchyQoL in pruritic dermatoses.** *J Eur Acad Dermatol Venereol* 2019;33:391-7. IF 5.1

Endokrinologie, Diabetologie und Metabolismus

Baumgartner A, Moesch M, Zumsteg M, Struja T, Bernet S, Medinger M, Mueller B, Passweg J, Bargetzi M, Schuetz P: **Predictors of impaired bone health in long-term survivors after allogeneic stem cell transplantation.** *Bone Marrow Transplant* 2019, 54(10):1651-1661. IF 4.7

Baumgartner T, Zurauskaite G, Steuer C, Bernasconi L, Huber A, Mueller B, Schuetz P: **Association of serum sphingomyelin profile with clinical outcomes in patients with lower respiratory tract infections: results of an observational, prospective 6-year follow-up study.** *Clin Chem Lab Med* 2019, 57(5):679-689. IF 3.6

Blum CA, Schuetz P, Nigro N, Winzler B, Arici B, Refardt J, Urwyler SA, Rodondi N, Blum MR, Briel M, Mueller B, Christ-Crain M: **Cosyntropin testing does not predict response to glucocorticoids in community-acquired pneumonia in a randomized controlled trial.** *Clin Endocrinol (Oxf)* 2019, 91(3):374-382. IF 5.4

Bolliger R, Neeser O, Merker M, Vukajlovic T, Felder L, Fiumefreddo R, Haubitz S, Koch D, Hammerer-Lercher A, Ottiger C, Fux CA, Mueller B, Schuetz P: **Validation of a Prediction Rule for Legionella Pneumonia in Emergency Department Patients.** *Open Forum Infect Dis* 2019, 6(7):ofz268. IF 3.3

Branche A, Neeser O, Mueller B, Schuetz P: **Procalcitonin to guide antibiotic decision making.** *Curr Opin Infect Dis* 2019, 32(2):130-135. IF 3.7

Bereich Medizin

Cervellin G, Schuetz P, Lippi G: **Toward a holistic approach for diagnosing sepsis in the emergency department.** *Adv Clin Chem* 2019, 92:201-216. IF 3.4

Ebrahimi F, Urwyler SA, Schuetz P, Mueller B, Bernasconi L, Neyer P, Donath MY, Christ-Crain M: **Effects of interleukin-1 antagonism on cortisol levels in individuals with obesity: a randomized clinical trial.** *Endocr Connect* 2019, 8(6):701-708. IF 2.3

Ebrahimi F, Widmer A, Wagner U, Mueller B, Schuetz P, Christ-Crain M, Kutz A: **Association of adrenal insufficiency with patient-oriented health-care outcomes in adult medical inpatients.** *Eur J Endocrinol* 2019. IF 5.1

Ebrahimi F, Wolffenbittel C, Blum CA, Baumgartner C, Mueller B, Schuetz P, Meier C, Kraenzlin M, Christ-Crain M, Betz MJ: **Fibroblast growth factor 21 predicts outcome in community-acquired pneumonia: secondary analysis of two randomised controlled trials.** *Eur Respir J* 2019, 53(2). IF 12.2

Eckart A, Hauser SI, Haubitz S, Struja T, Kutz A, Koch D, Neeser O, Meier MA, Mueller B, Schuetz P: **Validation of the hospital frailty risk score in a tertiary care hospital in Switzerland: results of a prospective, observational study.** *BMJ Open* 2019, 9(1):e026923. IF 2.3

Eckart A, Hauser SI, Kutz A, Haubitz S, Hausfater P, Amin D, Amin A, Huber A, Mueller B, Schuetz P: **Combination of the National Early Warning Score (NEWS) and inflammatory biomarkers for early risk stratification in emergency department patients: results of a multinational, observational study.** *BMJ Open* 2019, 9(1):e024636. IF 2.3

Eckart A, Struja T, Kutz A, Baumgartner A, Baumgartner T, Zurfluh S, Neeser O, Huber A, Stanga Z, Mueller B, Schuetz P: **Relationship of nutritional status, inflammation, and serum albumin levels during acute illness: A prospective study.** *Am J Med* 2019. IF 5.0

Faessler L, Brodbeck J, Schuetz P, Haubitz S, Mueller B, Perrig-Chiello P: **Medical patients' affective well-being after emergency department admission: The role of personal and social resources and health-related variables.** *PLoS One* 2019, 14(3):e0212900. IF 2.7

Fermont JM, Masconi KL, Jensen MT, Ferrari R, Di Lorenzo VAP, Marott JM, Schuetz P, Watz H, Waschki B, Mullerova H, Polkey MI, Wilkinson IB, Wood AM: **Biomarkers and clinical outcomes in COPD: a systematic review and meta-analysis.** *Thorax* 2019, 74(5):439-446. IF 10.3

Friedli M, Schuetz P, Conca A: **Comparison of older patient's self-care abilities in acute geriatric and internal medicine departments.** *Z Gerontol Geriatr* 2019. IF 0.9

Friedli N, Odermatt J, Reber E, Schuetz P, Stanga Z: **Refeeding syndrome: update and clinical advice for prevention, diagnosis and treatment.** *Curr Opin Gastroenterol* 2019. IF 2.7

Gomes F, Baumgartner A, Bounoure L, Bally M, Deutz NE, Greenwald JL, Stanga Z, Mueller B, Schuetz P: **Association of Nutritional Support With Clinical Outcomes Among Medical Inpatients Who Are Malnourished or at Nutritional Risk: An Updated Systematic Review and Meta-analysis.** *JAMA Netw Open* 2019, 2(11):e1915138. IF 10.0

Gomes F, Schneider S, Schuetz P, all guideline a: **Reply - Letter to the Editor - The role of specific oral nutritional supplements in polymorbid internal medicine patients on pressure ulcer healing.** *Clin Nutr* 2019, 38(4):1965. IF 6.4

Haubitz-Eschelbach A, Durmisi M, Haubitz S, Kutz A, Mueller B, Greenwald JL, Schuetz P: **The glory of the age is the wisdom of grey hair: association of physician appearance with outcomes in hospitalised medical patients - an observational study.** *Swiss Med Wkly* 2019, 149:w20162. IF 1.5

Heilmann E, Gregoriano C, Schuetz P: **Biomarkers of Infection: Are They Useful in the ICU?** *Semin Respir Crit Care Med* 2019, 40(4):465-475. IF 1.6

Hersberger L, Bargetzi L, Bargetzi A, Tribolet P, Fehr R, Baechli V, Geiser M, Deiss M, Gomes F, Kutz A, Kagi-Braun N, Hoess C, Pavlicek V, Schmid S, Bilz S, Sigrist S, Brandle M, Benz C, Henzen C, Nigg M, Thomann R, Brand C, Rutishauser J, Aujesky D, Rodondi N, Donze J, Stanga Z, Mueller B, Schuetz P: **Nutritional risk screening (NRS 2002) is a strong and modifiable predictor risk score for short-term and long-term clinical outcomes: secondary analysis of a prospective randomised trial.** *Clin Nutr* 2019. IF 6.4

Isenschmid C, Luescher T, Rasiah R, Kalt J, Tondorf T, Gamp M, Becker C, Tislar K, Sutter R, Schuetz P, Hochstrasser S, Metzger K, Marsch S, Hunziker S: **Performance of clinical risk scores to predict mortality and neurological outcome in cardiac arrest patients.** *Resuscitation* 2019, 136:21-29. IF 4.5

Koch D, Schuetz P, Haubitz S, Kutz A, Mueller B, Weber H, Regez K, Conca A, Triage Study G: **Improving the post-acute care discharge score (PACD) by adding patients' self-care abilities: A prospective cohort study.** *PLoS One* 2019, 14(3):e0214194. IF 2.7

Bereich Medizin

- Kutz A, Gut L, Ebrahimi F, Wagner U, Schuetz P, Mueller B: **Association of the Swiss Diagnosis-Related Group Reimbursement System With Length of Stay, Mortality, and Readmission Rates in Hospitalized Adult Patients.** *JAMA Netw Open* 2019, 2(2):e188332. IF 10.0
- Kutz A, Koch D, Conca A, Baechli C, Haubitz S, Regez K, Schild U, Caldara Z, Ebrahimi F, Bassetti S, Eckstein J, Beer J, Egloff M, Kaplan V, Ehmann T, Hoess C, Schaad H, Wagner U, de Geest S, Schuetz P, Mueller B: **Integrative hospital treatment in older patients to benchmark and improve outcome and length of stay - the In-HospiTOOL study.** *BMC Health Serv Res* 2019, 19(1):237. IF 1.9
- Luescher T, Mueller J, Isenschmid C, Kalt J, Rasiah R, Tondorf T, Gamp M, Becker C, Sutter R, Tisljar K, Schuetz P, Marsch S, Hunziker S: **Neuron-specific enolase (NSE) improves clinical risk scores for prediction of neurological outcome and death in cardiac arrest patients: Results from a prospective trial.** *Resuscitation* 2019, 142:50-60. IF 4.5
- Merker M, Amsler A, Pereira R, Bolliger R, Tribolet P, Braun N, Hoess C, Pavlicek V, Bilz S, Sigrist S, Brandle M, Henzen C, Thomann R, Rutishauser J, Aujesky D, Rodondi N, Donze J, Stanga Z, Mueller B, Schuetz P: **Vitamin D deficiency is highly prevalent in malnourished inpatients and associated with higher mortality: A prospective cohort study.** *Medicine (Baltimore)* 2019, 98(48):e18113. IF 2.1
- Merker M, Gomes F, Stanga Z, Schuetz P: **Evidence-based nutrition for the malnourished, hospitalised patient: one bite at a time.** *Swiss Med Wkly* 2019, 149:w20112. IF 1.5
- Mueller SA, Mayer C, Bojaxhiu B, Aeberhard C, Schuetz P, Stanga Z, Giger R: **Effect of preoperative immunonutrition on complications after salvage surgery in head and neck cancer.** *J Otolaryngol Head Neck Surg* 2019, 48(1):25. IF 2.1
- Murray DD, Itenov TS, Sivapalan P, Eklof JV, Holm FS, Schuetz P, Jensen JU: **Biomarkers of Acute Lung Injury The Individualized Approach: for Phenotyping, Risk Stratification and Treatment Surveillance.** *J Clin Med* 2019, 8(8). IF 5.6
- Neeser O, Branche A, Mueller B, Schuetz P: **How to: implement procalcitonin testing in my practice.** *Clin Microbiol Infect* 2019, 25(10):1226-1230. IF 6.4
- Neeser OL, Vukajlovic T, Felder L, Haubitz S, Hammerer-Lercher A, Ottiger C, Mueller B, Schuetz P, Fux CA: **A high C-reactive protein/procalcitonin ratio predicts Mycoplasma pneumoniae infection.** *Clin Chem Lab Med* 2019, 57(10):1638-1646. IF 3.5
- Reber E, Friedli N, Vasiloglou MF, Schuetz P, Stanga Z: **Management of Refeeding Syndrome in Medical Inpatients.** *J Clin Med* 2019, 8(12). IF 5.6
- Reber E, Gomes F, Bally L, Schuetz P, Stanga Z: **Nutritional Management of Medical Inpatients.** *J Clin Med* 2019, 8(8). IF 5.6
- Reber E, Gomes F, Vasiloglou MF, Schuetz P, Stanga Z: **Nutritional Risk Screening and Assessment.** *J Clin Med* 2019, 8(7). IF 5.6
- Reber E, Norman K, Endrich O, Schuetz P, Frei A, Stanga Z: **Economic Challenges in Nutritional Management.** *J Clin Med* 2019, 8(7). IF 5.6
- Reber E, Strahm R, Bally L, Schuetz P, Stanga Z: **Efficacy and Efficiency of Nutritional Support Teams.** *J Clin Med* 2019, 8(9). IF 5.6
- Saeed K, Gonzalez Del Castillo J, Backous C, Drevet S, Ferrer R, Gavazzi G, Gluck E, Jensen JU, Kanizsai P, Ruiz-Rodriguez JC, Molnar G, Fazakas J, Umpleby H, Townsend J, Schuetz P: **Hot topics on procalcitonin use in clinical practice, can it help antibiotic stewardship?** *Int J Antimicrob Agents* 2019, 54(6):686-696. IF 4.6
- Saeed K, Wilson DC, Bloos F, Schuetz P, van der Does Y, Melander O, Hausfater P, Legramante JM, Claessens YE, Amin D, Rosenqvist M, White G, Mueller B, Limper M, Callejo CC, Brandi A, Macchi MA, Cortes N, Kutz A, Patka P, Yanez MC, Bernardini S, Beau N, Dryden M, van Gorp ECM, Minieri M, Chan L, Rood PPM, Del Castillo JG: **Correction to: The early identification of disease progression in patients with suspected infection presenting to the emergency department: a multi-centre derivation and validation study.** *Crit Care* 2019, 23(1):255. IF 6.9
- Schuetz P, Beishuizen A, Broyles M, Ferrer R, Gavazzi G, Gluck EH, Gonzalez Del Castillo J, Jensen JU, Kanizsai PL, Kwa ALH, Krueger S, Luyt CE, Oppert M, Plebani M, Shlyapnikov SA, Toccafondi G, Townsend J, Welte T, Saeed K: **Procalcitonin (PCT)-guided antibiotic stewardship: an international experts consensus on optimized clinical use.** *Clin Chem Lab Med* 2019, 57(9):1308-1318. IF 3.5

Bereich Medizin

Schuetz P, Fehr R, Baechli V, Geiser M, Deiss M, Gomes F, Kutz A, Tribolet P, Bregenzer T, Braun N, Hoess C, Pavlicek V, Schmid S, Bilz S, Sigrist S, Brandle M, Benz C, Henzen C, Mattmann S, Thomann R, Brand C, Rutishauser J, Aujesky D, Rodondi N, Donze J, Stanga Z, Mueller B: **Individualised nutritional support in medical inpatients at nutritional risk: a randomised clinical trial.** *Lancet* 2019, 393(10188):2312-2321. IF 59.1

Schuetz P, Stanga Z, Mueller B: **Optimising early nutritional support for medical inpatients - Authors' reply.** *Lancet* 2019, 394(10214):2070-2071. IF 59.1

Schuetz P, Stanga Z: **Nutritional Management and Outcomes in Malnourished Medical Inpatients in 2020: The Evidence Is Growing!** *J Clin Med* 2019, 9(1). IF 5.6

Schuetz P, Stolz D: **Guiding antibiotic treatment with inflammatory biomarkers in COPD? Another brick in the wall.** *Eur Respir J* 2019, 53(5). IF 12.2

Schuetz P: **Procalcitonin is Useful for Evaluating Patients with Ambiguous Presentation and for Early Stop of Antibiotics in Community-Acquired Pneumonia.** *Am J Respir Crit Care Med* 2019. IF 16.4

Struja T, Eckart A, Kutz A, Neyer P, Kraenzlin M, Mueller B, Meier C, Bernasconi L, Schuetz P: **Metabolomics and Their Ability to Distinguish Thyroid Disorders: A Retrospective Pilot Study.** *Horm Metab Res* 2019, 51(4):256-260. IF 2.4

Struja T, Jutz R, Imahorn N, Kaeslin M, Boesiger F, Kutz A, Mundwiler E, Huber A, Kraenzlin M, Mueller B, Meier C, Bernasconi L, Schuetz P: **Comparison of Five TSH-Receptor Antibody Assays in Graves' disease: results from an observational pilot study.** *BMC Endocr Disord* 2019, 19(1):38. IF 1.8

Struja T, Schuetz P: **Letter to the editor: Use of radioactive iodine treatment in patients with hyperthyroidism? A case for shared decision making.** *Eur J Nucl Med Mol Imaging* 2019, 46(12):2407. IF 7.1

Urwiler SA, Blum CA, Coslovsky M, Mueller B, Schuetz P, Christ-Crain M: **Cytokines and Cortisol - predictors of treatment response to corticosteroids in community-acquired pneumonia?** *J Intern Med* 2019, 286(1):75-87. IF 6

Vogeli A, Ghasemi M, Gregoriano C, Hammerer A, Haubitz S, Koch D, Kutz A, Mueller B, Schuetz P: **Diagnostic and prognostic value of the D-dimer test in emergency department patients: secondary analysis of an observational study.** *Clin Chem Lab Med* 2019, 57(11):1730-1736. IF 3.6

Gastroenterologie

Ackermann C, Smits M, Woost R, Eberhard JM, Peine S, Kummer S, Marget M, Kuntzen T, Kwok WW, Lohse AW, Jacobs T, Boettler T, Schulze Zur Wiesch J: **HCV-specific CD4+ T cells of patients with acute and chronic HCV infection display high expression of TIGIT and other co-inhibitory molecules.** *Scientific reports* 2019, 9(1):10624. IF 4.1

Hämatologie und Transfusionsmedizin / Onkologie

Baumgartner A, Moesch M, Zumsteg M, Struja T, Bernet S, Medinger M, Mueller B, Passweg J, Bargetzi M, Schuetz P: **Predictors of impaired bone health in long-term survivors after allogeneic stem cell transplantation.** *Bone Marrow Transplant* 2019, 54(10):1651-1661. IF 4.7

Bond J, Touzart A, Lepretre S, Graux C, Bargetzi M, Lhermitte L, Hypolite G, Leguay T, Hicheri Y, Guillerm G, Bilger K, Lheritier V, Hunault M, Huguette F, Chalandon Y, Ifrah N, Macintyre E, Dombret H, Asnafi V, Boissel N: **DNMT3A mutation is associated with increased age and adverse outcome in adult T-cell acute lymphoblastic leukemia.** *Haematologica* 2019, 104(8):1617-1625. IF 7.5

Burgener AV, Bantug GR, Meyer BJ, Higgins R, Ghosh A, Bignucolo O, Ma EH, Loeliger J, Unterstab G, Geigges M, Steiner R, Enamorado M, Ivanek R, Hunziker D, Schmidt A, Muller-Durovic B, Grahlert J, Epple R, Dimeloe S, Lotscher J, Sauder U, Ebnother M, Burger B, Heijnen I, Martinez-Cano S, Cantoni N, Brucker R, Kahlert CR, Sancho D, Jones RG, Navarini A, Recher M, Hess C: **SDHA gain-of-function engages inflammatory mitochondrial retrograde signaling via KEAP1-Nrf2.** *Nat Immunol* 2019, 20(10):1311-1321. IF 21.8

Davies A, Cummin TE, Barrans S, Maishman T, Mamot C, Novak U, Caddy J, Stanton L, Kazmi-Stokes S, McMillan A, Fields P, Pocock C, Collins GP, Stephens R, Cucco F, Clipson A, Sha C, Tooze R, Care MA, Griffiths G, Du MQ, Westhead DR, Burton C, Johnson PWM: **Gene-expression profiling of bortezomib added to standard chemoimmunotherapy for diffuse large B-cell lymphoma (REMoDL-B): an open-label, randomised, phase 3 trial.** *Lancet Oncol* 2019, 20(5):649-662. IF 35.3

Bereich Medizin

- Drexler B, Passweg JR, Tzankov A, Bigler M, Theocharides AP, Cantoni N, Keller P, Stussi G, Ruefer A, Benz R, Favre G, Lundberg P, Nienhold R, Fuhrer A, Biaggi C, Manz MG, Bargetzi M, Mendez-Ferrer S, Skoda RC, Swiss Group for Clinical Cancer R: **The sympathomimetic agonist mirabegron did not lower JAK2-V617F allele burden, but restored nestin-positive cells and reduced reticulin fibrosis in patients with myeloproliferative neoplasms: results of phase II study SAKK 33/14.** *Haematologica* 2019, 104(4):710-716. IF 7.5
- Gambazzi F, Frey LD, Bruehlmeier M, Janthur WD, Graber SM, Heuberger J, Springer OS, Zweifel R, Boerner B, Tini GM, Irani S: **Comparing Two Imaging Methods for Follow-Up of Lung Cancer Treatment: A Randomized Pilot Study.** *Ann Thorac Surg* 2019, 107(2):430-435. IF 3.9
- Gambazzi F, Frey LD, Bruehlmeier M, Janthur WD, Heuberger J, Spirig A, Williams R, Zweifel R, Boerner B, Tini GM, Irani S: **Image analysis in posttreatment non-small cell lung cancer surveillance: specialists' interpretations reviewed by the thoracic multidisciplinary tumor board.** *Multidiscip Respir Med* 2019, 14:34.
- Ghilardi G, Pabst T, Jeker B, Muller R, Cairoli A, Muller AMS, Bargetzi M, Hitz F, Baldomero H, Heim D, Schmidt A, Rossi D, Ghielmini M, Wannesson L, Lerch E, Samaras P, Schanz U, Passweg JR, Stussi G, Kleber M, Gerber B, Swiss Blood Stem Cell Transplantation R: **Melphalan dose in myeloma patients \geq 65 years of age undergoing high-dose therapy and autologous stem cell transplantation: a multicentric observational registry study.** *Bone Marrow Transplant* 2019, 54(7):1029-1037. IF 4.7
- Passet M, Boissel N, Sigaux F, Saillard C, Bargetzi M, Ba I, Thomas X, Graux C, Chalandon Y, Leguay T, Lengline E, Konopacki J, Quentin S, Delabesse E, Lafage-Pochitaloff M, Pastoret C, Gardel N, Asnafi V, Lheritier V, Soulier J, Dombret H, Clappier E, Group for Research on Adult ALL: **PAX5 P80R mutation identifies a novel subtype of B-cell precursor acute lymphoblastic leukemia with favorable outcome.** *Blood* 2019, 133(3):280-284. IF 16.5
- Rothschild SI, Betticher D, Zenhausem R, Anchisi S, von Moos R, Pless M, Moosmann P, Popescu RA, Calderoni A, Dressler M, Rauch D, Pederiva S, Woelky R, Papet C, Buhler V, Borner M: **Prospective, observational practice survey of applied skin care and management of cetuximab-related skin reactions: PROSKIN study.** *Cancer Chemother Pharmacol* 2019, 84(4):881-889. IF 2.7
- Samaras P, Bargetzi M, Betticher DC, Driessen C, Duchosal MA, Heim D, Ketterer N, Lerch E, Matthes T, Mey U, Pabst T, Schmidt A, Taverna C, Zander T, Renner C: **Updated recommendations for diagnosis and treatment of plasma cell myeloma in Switzerland.** *Swiss Med Wkly* 2019, 149:w20031. IF 1.5
- Schmid S, Klingbiel D, Aebi S, Goldhirsch A, Mamot C, Munzone E, Nole F, Oehlschlegel C, Pagani O, Pestalozzi B, Rochlitz C, Thurlimann B, von Moos R, Weder P, Zaman K, Ruhstaller T: **Long-term responders to trastuzumab monotherapy in first-line HER-2+ advanced breast cancer: characteristics and survival data.** *BMC Cancer* 2019, 19(1):902. IF 3.2
- Schmid S, Klingbiel D, Aeppli S, Britschgi C, Gautschi O, Pless M, Rothschild S, Wannesson L, Janthur W, Foerbs D, Demmer I, Jochum W, Früh M: **Patterns of progression on osimertinib in EGFR T790M positive NSCLC: A Swiss cohort study.** *Lung Cancer* 130 (2019) 149–155. IF 3.9
- Sha C, Barrans S, Cucco F, Bentley MA, Care MA, Cummin T, Kennedy H, Thompson JS, Uddin R, Worrillow L, Chalkley R, van Hoppe M, Ahmed S, Maishman T, Caddy J, Schuh A, Mamot C, Burton C, Tooze R, Davies A, Du MQ, Johnson PWM, Westhead DR: **Molecular High-Grade B-Cell Lymphoma: Defining a Poor-Risk Group That Requires Different Approaches to Therapy.** *J Clin Oncol* 2019, 37(3):202-212. IF 26.3
- Vollmer K, Pantazis G, Añon J, Roelcke U, Schwyzer L: **Spinal Metastases of Supratentorial Glioblastoma with Primitive Neuronal Component.** *World Neurosurg X.* 2019 Feb 12;2:eCollection 2019 Apr. IF 1.7
- Walder D, Ly T, Meuli-Simmen C, Bargetzi M, Mauler F: **Acute Atraumatic Compartment Syndrome of the Hand Due to Acquired Hemophilia A.** *Journal of Hand Surgery Global Online, Volume 1, Issue 2, 2019, Pages 111-114*
- Zucca E, Rondeau S, Vanazzi A, Ostenstad B, Mey UJM, Rauch D, Wahlin BE, Hitz F, Hernberg M, Johansson AS, de Nully Brown P, Hagberg H, Ferreri AJM, Lohri A, Novak U, Zander T, Bersvendsen H, Bargetzi M, Mingrone W, Krasniqi F, Dimhofer S, Hayoz S, Hawle H, Vilei SB, Ghielmini M, Kimby E, Swiss Group for Clinical Cancer R, the Nordic Lymphoma G: **Short regimen of rituximab plus lenalidomide in follicular lymphoma patients in need of first-line therapy.** *Blood* 2019, 134(4):353-362. IF 16.5

Infektiologie und Spitalhygiene

- Bolliger R, Neeser O, Merker M, Vukajlovic T, Felder L, Fiumefreddo R, Haubitze S, Koch D, Hammerer-Lercher A, Ottiger C, Fux CA, Mueller B, Schuetz P: **Validation of a Prediction Rule for Legionella Pneumonia in Emergency Department Patients.** *Open Forum Infect Dis* 2019, 6(7):ofz268. IF 3.3

Bereich Medizin

Braun DL, Hampel B, Kouyos R, Nguyen H, Shah C, Flepp M, Stockle M, Conen A, Beguelin C, Kunzler-Heule P, Nicca D, Schmid P, Delaloye J, Rougemont M, Bernasconi E, Rauch A, Gunthard HF, Boni J, Fehr JS, Swiss HIVCS: **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* 2019, 68(4):569-576. IF 9.1

Braun DL, Hampel B, Martin E, Kouyos R, Kusejko K, Grube C, Flepp M, Stockle M, Conen A, Beguelin C, Schmid P, Delaloye J, Rougemont M, Bernasconi E, Rauch A, Gunthard HF, Boni J, Fehr JS, Swiss HIVCS: **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* 2019, 68(4):561-568.

Bregenzer A, Warmann N, Ottiger C, Fux CA: **Rapid point-of-care HCV RNA quantification in capillary whole blood for diagnosing chronic HCV infection, monitoring treatment and detecting reinfection.** *Swiss Med Wkly* 2019, 149:w20137. IF 1.5

Hachfeld A, Darling K, Calmy A, Ledergerber B, Weber R, Battegay M, Wissel K, Di Benedetto C, Fux CA, Tarr PE, Kouvos R, Ruggia LS, Furrer HJ, Wandeler G, Swiss HIV Cohort Study: **Why do sub-Saharan Africans present late for HIV care in Switzerland?** *HIV Med* 2019, 20(4):418-423. IF 3.7

Hampel B, Kusejko K, Kouyos RD, Boni J, Flepp M, Stockle M, Conen A, Beguelin C, Kunzler-Heule P, Nicca D, Schmidt AJ, Nguyen H, Delaloye J, Rougemont M, Bernasconi E, Rauch A, Gunthard HF, Braun DL, Fehr J, Swiss HIVCSg: **Chemsex drugs on the rise: a longitudinal analysis of the Swiss HIV Cohort Study from 2007 to 2017.** *HIV Med* 2019. IF 3.7

Neeser OL, Vukajlovic T, Felder L, Haubitz S, Hammerer-Lercher A, Ottiger C, Mueller B, Schuetz P, Fux CA: **A high C-reactive protein/procalcitonin ratio predicts Mycoplasma pneumoniae infection.** *Clin Chem Lab Med* 2019, 57(10):1638-1646. IF 3.5

Rubeli SL, D'Alonzo D, Mueller B, Bartolome N, Fankhauser H, Bucheli E, Conen A, Fandino J, Fux CA: **Implementation of an infection prevention bundle is associated with reduced surgical site infections in cranial neurosurgery.** *Neurosurg Focus* 2019, 47(2):E3. IF 1.3

Ruffieux Y, Lemsalu L, Aebi-Popp K, Calmy A, Cavassini M, Fux CA, Gunthard HF, Marzolini C, Scherrer A, Vernazza P, Keiser O, Egger M, Swiss HIVCS, the Swiss National C: **Mortality from suicide among people living with HIV and the general Swiss population: 1988-2017.** *J Int AIDS Soc* 2019, 22(8):e25339. IF 5.1

Santos GMA, Locatelli I, Metral M, Calmy A, Lecompte TD, Nadin I, Hauser C, Cusini A, Hasse B, Kovari H, Tarr P, Stoeckle M, Fux C, Di Benedetto C, Schmid P, Darling KEA, Du Pasquier R, Cavassini M, Neurocognitive Assessment in the M, Aging Cohort Study G: **Cross-Sectional and Cumulative Longitudinal Central Nervous System Penetration Effectiveness Scores Are Not Associated With Neurocognitive Impairment in a Well Treated Aging Human Immunodeficiency Virus-Positive Population in Switzerland.** *Open Forum Infect Dis* 2019, 6(7):ofz277. IF 3.3

Surial B, Cavassini M, Calmy A, Fehr J, Stockle M, Bernasconi E, Roth B, Fux CA, Kovari H, Furrer H, Rauch A, Wandeler G, Swiss HIVCS: **Rates and predictors of switching to tenofovir alafenamide-containing ART in a nationwide cohort.** *BMC Infect Dis* 2019, 19(1):834. IF 2.5

Kardiologie (Herzzentrum Aargau)

Haegeli LM, Stutz L, Mohsen M, Wolber T, Brunckhorst C, On CJ, Duru F: **Feasibility of zero or near zero fluoroscopy during catheter ablation procedures.** *Cardiol J* 2019, 26(3):226-232. IF 1.7

Iglesias JF, Heg D, Roffi M, Tuller D, Lanz J, Rigamonti F, Muller O, Moarof I, Cook S, Weilenmann D, Kaiser C, Cuculi F, Valgimigli M, Juni P, Windecker S, Pilgrim T: **Five-Year Outcomes in Patients With Diabetes Mellitus Treated With Biodegradable Polymer Sirolimus-Eluting Stents Versus Durable Polymer Everolimus-Eluting Stents.** *J Am Heart Assoc* 2019, 8(22):e013607. IF 5.1

Iglesias JF, Heg D, Roffi M, Tuller D, Noble S, Muller O, Moarof I, Cook S, Weilenmann D, Kaiser C, Cuculi F, Haner J, Juni P, Windecker S, Pilgrim T: **Long-Term Effect of Ultrathin-Strut Versus Thin-Strut Drug-Eluting Stents in Patients With Small Vessel Coronary Artery Disease Undergoing Percutaneous Coronary Intervention: A Subgroup Analysis of the BIOSCIENCE Randomized Trial.** *Circ Cardiovasc Interv* 2019, 12(8):e008024. IF 6.0

Bereich Medizin

Iglesias JF, Muller O, Heg D, Roffi M, Kurz DJ, Moarof I, Weilenmann D, Kaiser C, Taponnier M, Stortecky S, Losdat S, Eeckhout E, Valgimigli M, Odutayo A, Zwahlen M, Juni P, Windecker S, Pilgrim T: **Biodegradable polymer sirolimus-eluting stents versus durable polymer everolimus-eluting stents in patients with ST-segment elevation myocardial infarction (BIOSTEMI): a single-blind, prospective, randomised superiority trial.** *Lancet* 2019, 394(10205):1243-1253. IF 59.1

Jud FN, Haegeli LM: **Author's Reply.** *Anatol J Cardiol* 2019, 21(5):292-293. IF 1.1

Jud FN, Obeid S, Duru F, Haegeli LM: **A novel score in the prediction of rhythm outcome after ablation of atrial fibrillation: The SUCCESS score.** *Anatol J Cardiol* 2019, 21(3):142-149. IF 1.1

Kahr PC, Hammerl S, Huber-Schonauer U, Schmied CM, Haegeli LM, Obeid S, Eder S, Bachmayer S, Aigner E, Datz C, Niederseer D: **Atrial Fibrillation: A New Indicator for Advanced Colorectal Neoplasia in Screening Colonoscopy.** *J Clin Med* 2019, 8(7). IF 5.6

Willems S, Meyer C, de Bono J, Brandes A, Eckardt L, Elvan A, van Gelder I, Goette A, Gulizia M, Haegeli L, Heidbuchel H, Haeusler KG, Kautzner J, Mont L, Ng GA, Szumowski L, Themistoclakis S, Wegscheider K, Kirchhof P: **Cabins, castles, and constant hearts: rhythm control therapy in patients with atrial fibrillation.** *Eur Heart J* 2019, 40(46):3793-3799c. IF 24.8

Nephrologie, Dialyse und Transplantation

Buchkremer F, Segerer S, Bock A: **Monitoring Urine Flow to Prevent Overcorrection of Hyponatremia: Derivation of a Safe Upper Limit Based on the Edelman Equation.** *Am J Kidney Dis* 2019, 73(1):143-145. IF 7.6

Pneumologie und Schlafmedizin

Gambazzi F, Frey LD, Bruehlmeier M, Janthur WD, Graber SM, Heuberger J, Springer OS, Zweifel R, Boerner B, Tini GM, Irani S: **Comparing Two Imaging Methods for Follow-Up of Lung Cancer Treatment: A Randomized Pilot Study.** *Ann Thorac Surg* 2019, 107(2):430-435. IF 3.9

Gambazzi F, Frey LD, Bruehlmeier M, Janthur WD, Heuberger J, Spirig A, Williams R, Zweifel R, Boerner B, Tini GM, Irani S: **Image analysis in posttreatment non-small cell lung cancer surveillance: specialists' interpretations reviewed by the thoracic multidisciplinary tumor board.** *Multidiscip Respir Med* 2019, 14:34. IF 3.2

Sievi NA, Kohler M, Thurnheer R, Leuppi JD, Irani S, Frey M, Brutsche M, Brack T, Clarenbach CF: **No impact of exacerbation frequency and severity on the physical activity decline in COPD: a long-term observation.** *Int J Chron Obstruct Pulmon Dis* 2019, 14:431-437. IF 3.2

Klinik für Rheumatologie

Buhler S, Jaeger VK, Adler S, Bannert B, Brummerhoff C, Ciurea A, Distler O, Franz J, Gabay C, Hagenbuch N, Herzog C, Hasler P, Kling K, Kyburz D, Muller R, Nissen MJ, Siegrist CA, Villiger PM, Walker UA, Hatz C: **Safety and immunogenicity of tetanus/diphtheria vaccination in patients with rheumatic diseases-a prospective multi-centre cohort study.** *Rheumatology (Oxford)* 2019, 58(9):1585-1596. IF 5.2

Burkhard J, Ciurea A, Gabay C, Hasler P, Müller R, Niedrig M, Fehr J, Villiger P, Visser LG, de Visser AW, Walker UA, Hatz C, Bühler S., **Long-term immunogenicity after yellow fever vaccination in immunosuppressed and healthy individuals.** *Vaccine*. 2020 Jan 3. IF 3.2

Hahn S, Hasler P, Vokalova L, van Breda SV, Lapaire O, Than NG, Hoesli I, Rossi SW: **The role of neutrophil activation in determining the outcome of pregnancy and modulation by hormones and/or cytokines.** *Clin Exp Immunol* 2019, 198(1):24-36. IF 3.7

Hahn S, Hasler P, Vokalova L, van Breda SV, Than NG, Hoesli IM, Lapaire O, Rossi SW: **Feto-Maternal Microchimerism: The Pre-eclampsia Conundrum.** *Front Immunol* 2019, 10:659. IF 5.5

Mueller RB, Hasler C, Popp F, Mattow F, Durmisi M, Souza A, Hasler P, Rubbert-Roth A, Schulze-Koops H, Kempis JV: **Effectiveness, Tolerability, and Safety of Tofacitinib in Rheumatoid Arthritis: A Retrospective Analysis of Real-World Data from the St. Gallen and Aarau Cohorts.** *J Clin Med* 2019, 8(10). IF 5.6

Bereich Medizin

Mueller RB, Spaeth M, von Restorff C, Ackermann C, Schulze-Koops H, von Kempis J: **Superiority of a Treat-to-Target Strategy over Conventional Treatment with Fixed csDMARD and Corticosteroids: A Multi-Center Randomized Controlled Trial in RA Patients with an Inadequate Response to Conventional Synthetic DMARDs, and New Therapy with Certolizumab Pegol.** *J Clin Med* 2019, 8(3). IF 5.6

Taylor PC, Balsa Criado A, Mongey AB, Avouac J, Marotte H, Mueller RB: **How to Get the Most from Methotrexate (MTX) Treatment for Your Rheumatoid Arthritis Patient?-MTX in the Treat-to-Target Strategy.** *J Clin Med* 2019, 8(4). IF 5.6

van Breda SV, Vokalova L, Neugebauer C, Rossi SW, Hahn S, Hasler P: **Computational Methodologies for the in vitro and in situ Quantification of Neutrophil Extracellular Traps.** *Front Immunol* 2019, 10:1562. IF 5.5

von Kempis J, Duetsch S, Reuschling N, Villiger R, Villiger PM, Vallelian F, Schaer DJ, Mueller R.B.: **Clinical outcomes in patients with systemic lupus erythematosus treated with belimumab in clinical practice settings: a retrospective analysis of results from the OBSERVE study in Switzerland.** *Swiss Med Wkly.* 2019 Mar 10;149:w20022. IF 1.8

Klinik für Neurologie

De Marchis GM, Dankowski T, König IR, Fladt J, Fluri F, Gensicke H, Foerch C, Findling O, Kurmann R, Fischer U, Luft A, Buhl D, Engelter ST, Lyrer PA, Christ-Crain M, Arnold M, Katan M: **A novel biomarker-based prognostic score in acute ischemic stroke: The CoRisk score.** *Neurology* 2019, 92(13):e1517-e1525. IF 8.0

Galovic M, Stauber AJ, Leisi N, Krammer W, Brugger F, Vehoff J, Balcerak P, Müller A, Müller M, Rosenfeld J, Polymeris A, Thilemann S, De Marchis GM, Niemann T, Leifke M, Lyrer P, Saladin P, Kahles T, Nedeltchev K, Sarikaya H, Jung S, Fischer U, Manno C, Cereda CW, Sander JW, Tettenborn B, Weder BJ, Stoekli SJ, Arnold M, Kagi G: **Development and Validation of a Prognostic Model of Swallowing Recovery and Enteral Tube Feeding After Ischemic Stroke.** *JAMA Neurol* 2019, 76(5):561-570. IF 12.3

Gruber P, Berberat J, Kahles T, Anon J, Diepers M, Nedeltchev K, Remonda L: **Angioplasty Using Drug-Coated Balloons in Ostial Vertebral Artery Stenosis.** *Ann Vasc Surg* 2019. IF 1.1

Gruber P, Braun C, Kahles T, Hlavica M, Anon J, Diepers M, Nedeltchev K, Berberat J, Remonda L: **Percutaneous transluminal angioplasty using the novel drug-coated balloon catheter SeQuent Please NEO for the treatment of symptomatic intracranial severe stenosis: feasibility and safety study.** *J Neurointerv Surg* 2019, 11(7):719-722. IF 3.9

Gruber P, Hlavica M, Berberat J, Victor Ineichen B, Diepers M, Nedeltchev K, Kahles T, Remonda L: **Acute administration of tirofiban versus aspirin in emergent carotid artery stenting.** *Interv Neuroradiol* 2019, 25(2):219-224. IF 0.7

Manno C, Disanto G, Bianco G, Nannoni S, Heldner M, Jung S, Arnold M, Kaesmacher J, Müller M, Thilemann S, Gensicke H, Carrera E, Fischer U, Kahles T, Luft A, Nedeltchev K, Staedler C, Cianfoni A, Kagi G, Bonati LH, Michel P, Cereda CW: **Outcome of endovascular therapy in stroke with large vessel occlusion and mild symptoms.** *Neurology* 2019, 93(17):e1618-e1626. IF 8.0

Spahn DR, Beer JH, Borgeat A, Chassot PG, Kern C, Mach F, Nedeltchev K, Korte W: **NOACs in Anesthesiology.** *Transfus Med Hemother* 2019, 46(4):282-293. IF 3.0

Bereich Chirurgie

Klinik für Chirurgie

Universitäres Zentrum für Gefäßchirurgie Aarau/Basel

du Fay de LJ, Puelacher C, Lurati BG, Bolliger D, Germanier D, Hidvegi R, et al: **Daytime variation of perioperative myocardial injury in non-cardiac surgery and effect on outcome.** *Heart* 2019 Jun;105(11):826-33. IF 5.1

Haller J, Wehmeier C, Honger G, Hirt-Minkowski P, Gurke L, Wolff T, et al.: **Differential Impact of Delayed Graft Function in Deceased Donor Renal Transplant Recipients With and Without Donor-specific HLA-antibodies.** *Transplantation* 2019 Sep;103(9):e273-e280. IF 4.6

Kingsmore DB, Stevenson KS, Jackson A, Desai SS, Thompson P, Karydis N, Franchin M, White B, Tozzi M, Isaak A: **Arteriovenous Access Graft Infection: Standards of Reporting and Implications for Comparative Data Analysis.** *Ann Vasc Surg.* 2019. IF 2.0

Mackenzie DJ, Isaak A, Nash J, Meldrum AD, Stevenson K, Kasthuri R, et al: **Early Cannulation ePTFE Arteriovenous Access Grafts are Associated with a Low Incidence of Pseudoaneurysm Formation.** *Ann Vasc Surg.* 2019. IF 1.2

Bereich Chirurgie

Mujagic E, Zeindler J, Coslovsky M, Hoffmann H, Soysal SD, Mechera R, et al: **The association of surgical drains with surgical site infections - A prospective observational study.** *Am J Surg* 2019 Jan;217(1):17-23. IF 2.2

Mujagic E, Zeindler J, Coslovsky M, Mueller C, du Fay de LJ, Jeger R, et al: **Perioperative major adverse cardiac events in urgent femoral artery repair after coronary stenting are less common than previously reported.** *J Vasc Surg* 2019 Jul;70(1):216-23. IF 3.2

Tampakis EC, Tampakis A, Gurke L, Pantos C: **Belimumab in kidney transplantation.** *Lancet* 2019 Mar 2;393(10174):874-5. IF 59.1

Uccelli A, Wolff T, Valente P, Di MN, Pellegrino M, Gurke L, et al: **Vascular endothelial growth factor biology for regenerative angiogenesis.** *Swiss Med Wkly* 2019 Jan 14;149:w20011. IF 1.5

Zeindler J, Angehrn F, Drosner R, Daster S, Piscuoglio S, Ng CKY, Kilic E, Mechera R, Meili S, Isaak A, Weber WP, Muenst S, Soysal SD: **Infiltration by myeloperoxidase-positive neutrophils is an independent prognostic factor in breast cancer.** *Breast Cancer Res Treat.* 2019;177(3):581-9. IF 3.5

Zeindler J, Richarz S, Franchin M, Soysal SD, Gurke L, Isaak A: **Endoscopic Superficialisation of Haemodialysis Arteriovenous Fistulas in Obese Patients - Safety, Feasibility, and Outcomes.** *Eur J Vasc Endovasc Surg* 2019 Nov;58(5):756-60. IF 3.6

Zeindler J, Soysal SD, Piscuoglio S, Ng CKY, Mechera R, Isaak A, et al: **Nectin-4 Expression Is an Independent Prognostic Biomarker and Associated With Better Survival in Triple-Negative Breast Cancer.** *Front Med (Lausanne).* 2019;6:200. IF 3.1

Thoraxchirurgie

Gambazzi F, Frey LD, Bruehlmeier M, Janthur WD, Graber SM, Heuberger J, Springer OS, Zweifel R, Boerner B, Tini GM, Irani S: **Comparing Two Imaging Methods for Follow-Up of Lung Cancer Treatment: A Randomized Pilot Study.** *Ann Thorac Surg* 2019, 107(2):430-435. IF 3.9

Gambazzi F, Frey LD, Bruehlmeier M, Janthur WD, Heuberger J, Spirig A, Williams R, Zweifel R, Boerner B, Tini GM, Irani S: **Image analysis in posttreatment non-small cell lung cancer surveillance: specialists' interpretations reviewed by the thoracic multidisciplinary tumor board.** *Multidiscip Respir Med* 2019, 14:34.

Traumatologie

Gross T, Morell S, Amsler F: **Gender-Specific Improvements in Outcome 1 and 2 Years After Major Trauma.** *J Surg Res* 2019, 235:459-469. IF 1.8

Gross T, Morell S, Amsler F: **To What Extent Are Main Accident-Insurer Cases Representative of All Significantly Injured? A Swiss Monocenter Perspective.** *J Insur Med* 2019, 48(1):65-78. IF 0.1

Gross T, Morell S, Scholz SM, Amsler F: **The capacity of baseline patient, injury, treatment and outcome data to predict reduced capacity to work and accident insurer costs - a Swiss prospective 4-year longitudinal trauma centre evaluation.** *Swiss Med Wkly* 2019, 149:w20144. IF 1.5

Joeris A, Hoglinger M, Meier F, Knofler F, Scholz S, Brugger U, Denk E, Gutzwiller F, Prein J, Renner N, Eichler K: **The impact of the AO Foundation on fracture care: An evaluation of 60 years AO Foundation.** *Injury* 2019, 50(11):1868-1875. IF 1.8

Mujagic E, Zeindler J, Coslovsky M, Hoffmann H, Soysal SD, Mechera R, von Strauss M, Delko T, Saxer F, Glaab R, Kraus R, Mueller A, Curti G, Gurke L, Jakob M, Marti WR, Weber WP: **The association of surgical drains with surgical site infections - A prospective observational study.** *Am J Surg* 2019, 217(1):17-23. IF 2.2

Viszeralchirurgie

Bertschi D, Weber W.P, Zeindler J, Stekhoven D, Mechera R, Salm L, Kraljic M, Soysal S.D, von Strauss M, Mujagic E, Marti W.R.; **Antimicrobial Prophylaxis Redosing Reduces Surgical Site Infection Risk in Prolonged Duration Surgery Irrespective of Its Timing.** *World J Surg* 2019, 43:2420-2425. IF 2.7

Mujagic E, Hoffmann H, Soysal S, Delko T, Mechera R, Coslovsky M, Zeindler J, Salm L, Marti WR, Weber WP: **Teaching in the operating room: A risk for surgical site infections?** *Am J Surg* 2019.2. IF 2.0

Bereich Chirurgie

- Mujagic E, Zeindler J, Coslovsky M, Hoffmann H, Soysal S.D, Mechera R, von Strauss M, Delko T, Syser F, Glaab R, Kraus R, Mueller A, Curti G, Gurke L, Jakob M, Marti W.R, Weber W.P: **The association of surgical drains with surgical site infections - A prospective observational study.** *American Journal of Surgery* 2019;217:17-223. IF 1.0
- Staubli SM, Schafer J, Rosenthal R, Zeindler J, Oertli D, Nebiker CA: **The role of CRP and Pentraxin 3 in the prediction of systemic inflammatory response syndrome and death in acute pancreatitis.** *Sci Rep* 2019, 9(1):18340. IF 4.0
- Stoll M, Nebiker CA, Remonda L, Grobholz R: **Coronary Heart Disease and an Incidental Parathyroid Carcinoma.** *Case Rep Pathol* 2019, 2019:7159395 IF 0.1
- von Sttauss M, Marti W.R, Mujagic E, Coslovsky M, Diernberger K, Hall P, Zeindler J, Salm L.A, Soysal S.D, Mechera R, von Holzen U, Weber W.P: **The impact of surgical site infections on hospital contribution margin - a European prospective observational cohort study.** *Infection Control & Hospital Epidemiology* 2019, 1-6. IF 2.8
- Walkner S, Nebiker CA: **Laparoscopic repair of a right-sided paraduodenal hernia.** *J Surg Case Rep* 2019, (12):rjz337.
- Wolf HW, Grumbeck B, Runkel N. **Intraoperative verification of parathyroid glands in primary and secondary hyperparathyroidism using near-infrared autofluorescence (IOPA).** *Updates Surg.* 2019;71(3):579–85. IF 1.5

Augenklinik

- Berberat J, Montali M, Gruber P, Pircher A, Hlavica M, Wang F, Killer HE, Remonda L: **Modulation of the Emotional Response to Viewing Strabismic Children in Mothers-Measured by fMRI.** *Clin Neuroradiol* 2019, 29(1):87-94. IF 2.8
- Conedera FM, Pousa AMQ, Mercader N, Tschopp M, Enzmann V: **Retinal microglia signaling affects Muller cell behavior in the zebrafish following laser injury induction.** *Glia* 2019, 67(6):1150-1166. IF 5.8
- Dysli M, Ebnetter A, Menke MN, Zinkernagel M, Wolf S, Grabe H, Abegg M: **Patients with Epiretinal Membranes Display Retrograde Maculopathy after Surgical Peeling of the Internal Limiting Membrane.** *Retina* 2019, 39(11):2132-2140. IF 3.8
- Hao J, Killer HE: **Is the optic nerve compartment syndrome implicated in the pathogenesis of the high-tension form of primary open-angle glaucoma? Response.** *Clin Exp Ophthalmol* 2019. IF 3.4
- Hao J, Pircher A, Miller NR, Hsieh J, Remonda L, Killer HE: **Cerebrospinal fluid and optic nerve sheath compartment syndrome: A common pathophysiological mechanism in five different cases?** *Clin Exp Ophthalmol* 2019. IF 3.4
- Killer HE, Hou R, Wostyn P, Meyer P, Pircher A: **Pressure and velocity in intraocular and subarachnoid space fluid chambers: an inseparable couple.** *Eye (Lond)* 2019, 33(3):343-346. IF 2.3
- Killer HE, Pircher A: **Response to: 'Comment on: Pressure and velocity in intraocular and subarachnoid space fluid chambers: an inseparable couple'.** *Eye (Lond)* 2019, 33(9):1515-1516. IF 2.3
- Killer HE: **[The Importance of the Lymphatic and the Glymphatic System for Glaucoma].** *Klin Monbl Augenheilkd* 2019, 236(2):142-144. IF 0.8
- Killer HE: Letter: **Validation of Noninvasive Absolute Intracranial Pressure Measurements in Traumatic Brain Injury and Intracranial Hemorrhage.** *Oper Neurosurg (Hagerstown)* 2019, 17(6):E274-E275. IF 1.4
- Liu KC, Fleischman D, Lee AG, Killer HE, Chen JJ, Bhatti MT: **Current concepts of cerebrospinal fluid dynamics and the translaminal cribrosa pressure gradient: a paradigm of optic disk disease.** *Surv Ophthalmol* 2020, 65(1):48-66. IF 3.9
- Liu L, Li X, Killer HE, Cao K, Li J, Wang N: **Changes in retinal and choroidal morphology after cerebrospinal fluid pressure reduction: a Beijing iCOP study.** *Sci China Life Sci* 2019, 62(2):268-271. IF 3.5
- Mader TH, Gibson CR, Miller NR, Brunstetter TJ, Killer HE, Wostyn P, Lee AG: **Letter: Brain Physiological Response and Adaptation During Spaceflight.** *Neurosurgery* 2019. IF 4.6
- Neutzner A, Power L, Durrenberger M, Scholl HPN, Meyer P, Killer HE, Wendt D, Kohler C: **A perfusion bioreactor-based 3D model of the subarachnoid space based on a meningeal tissue construct.** *Fluids Barriers CNS* 2019, 16(1):17. IF 3.7
- Trachsler S, Baston AE, Menke M: **Intra- and Interdevice Deviation of Optical Coherence Tomography Angiography.** *Klin Monbl Augenheilkd* 2019, 236(4):551-554. IF 0.8
- Wostyn P, Mader TH, Gibson CR, Killer HE: **The escape of retrobulbar cerebrospinal fluid in the astronaut's eye: mission impossible?** *Eye (Lond)* 2019, 33(10):1519-1524. IF 2.3
- Wostyn P, Mader TH, Gibson CR, Killer HE: **The perivascular space of the central retinal artery as a potential major cerebrospinal fluid inflow route: implications for optic disc edema in astronauts.** *Eye (Lond)* 2019. IF 2.3

Bereich Chirurgie

Klinik für Hand-, Plastische und Chirurgie der peripheren Nerven

Nolte I, Mauler F, Sanchez T: **Bilateral Ulnar-Sided Wrist Pain due to Pisiform-Hamate Coalition.** *Case Rep Orthop* 2019, 2019:5891972.

Walder D, Ly T, Meuli-Simmen C, Bargetzi M, Mauler F. **Acute Atraumatic Compartment Syndrome of the Hand Due to Acquired Hemophilia A.** *Journal of Hand Surgery Global Online* 2019, 1(2):111-114.

Klinik für Hals-, Nasen- und Ohrenkrankheiten, Hals- und Gesichtschirurgie

Elicin O, Broglie MA, Fankhauser N, Stoeckli SJ, Pasche P, Reinhard A, Bongiovanni M, Huber GF, Morand GB, Soltermann A, Arnold A, Dettmer MS, Arnoux A, Stauffer E, Espeli V, Martucci F, Aebbersold DM, Giger R: **Comparison of contemporary staging systems for oropharynx cancer in a surgically treated multi-institutional cohort.** *Head Neck* 2019, 41(5):1395-1402. IF 2.4

M.M. Speth, L.P. Hoehle, K.M. Phillips, D.S. Caradonna, S.T. Gray and A.R. Sedaghat. **Treatment history and association between allergic rhinitis symptoms and quality of life.** *Ir J Med Sci.* 2019 May;188(2):703-710. IF 1.2

L.P. Hoehle, K.M. Phillips, M.M. Speth, D.S. Caradonna, S.T. Gray and A.R. Sedaghat. **Responsiveness and minimal clinically important difference for the EQ-5D in chronic rhinosinusitis.** *Rhinology.* 2019 Apr 1;57(2):110-116. IF 2.9

M.M. Speth, K.M. Phillips, L.P. Hoehle, D.S. Caradonna, S.T. Gray and A.R. Sedaghat. **Longitudinal improvement in nasal obstruction symptoms of chronic rhinosinusitis directly associates with improvement in mood.** *Eur Arch Otorhinolaryngol.* 2019 Oct;276(10):2827-2833 IF 1.8

M.M. Speth, K.M. Phillips, L.P. Hoehle, D.S. Caradonna, S.T. Gray and A.R. Sedaghat. **Appropriate medical management of chronic rhinosinusitis reduces use of antibiotics and oral corticosteroids.** *Laryngoscope.* 2019 Dec 17 (Epub ahead of print) IF 2.4

Klinik für Mund-, Kiefer- und Gesichtschirurgie

Abazi S, Harnik B, Wiesli M, Augello M: **Uncommon infection of an epidermoid cyst in the face with Peptoniphilus harei - a case report with review of the literature regarding treatment strategy.** *Austin J Surg* 2019, 5(9): 1155.1157. IF 2.1

Augello M, Berg-Boerner I, Maurer M, Zeilhofer HF, Cattin P, Jürgens P: **The use of FEM Analysis for Modeling Different Osteotomy Patterns and Biomechanical Analysis of Craniosynostosis Correction.** *J Craniofac Surg,* 2019; 30: 1877-18810. IF 7.0

Berg I, Flury E, Thieringer FM, Augello M, Savic M, Schöttau A, Kunz C, Goldblum D: **Retrobulbar haematoma in the era of anticoagulants.** *Injury,* 2019, 50: 1641-16481. IF 8.0

Jochum H, Keel P, Baumgartner-Gruber A, Zeilhofer HF, Leiggenger CS: **Bruxism, myoarthropathy and psychosomatics.** *Swiss Dent J* 2019, 129(4):287-292.

Meyer S, Hirsch JM, Leiggenger CS, Zeilhofer HF, Thieringer FM: **A simple, effective, universal, and reusable osteotomy tool for jaw reconstructions with microvascular fibula transplants.** *J Plast Reconstr Aesthet Surg* 2020, 73(1):98-102. IF 2.2

Roehling S, Gahlert M, Janner S, Meng B, Woelfler H, Cochran DL: **Ligature-Induced Peri-implant Bone Loss Around Loaded Zirconia and Titanium Implants.** *Int J Oral Maxillofac Implants* 2019, 34(2):357-365. IF 1.7

Roehling S, Schlegel KA, Woelfler H, Gahlert M: **Zirconia compared to titanium dental implants in preclinical studies-A systematic review and meta-analysis.** *Clin Oral Implants Res* 2019, 30(5):365-395. IF 3.8

Wojczynska A, Gallo LM, Bredell M, Leiggenger CS: **Alterations of mandibular movement patterns after total joint replacement: a case series of long-term outcomes in patients with total alloplastic temporomandibular joint reconstructions.** *Int J Oral Maxillofac Surg* 2019, 48(2):225-232. IF 1.9

Klinik für Neurochirurgie und Hirntumorzentrum

Coito A, Biethahn S, Tepperberg J, Carboni M, Roelcke U, Seeck M, van Mierlo P, Gschwind M, Vulliemoz S. **Interictal epileptogenic zone in patients with focal epilepsy using electric source imaging and directed functional connectivity from low-density EEG.** *Epilepsia Open.* 2019 Apr. 14; 4(2):281-292.

Croci D, Nevzati E, Danura H, Schopf S, Fandino J, Marbacher S, Muroi C: **The relationship between IL-6, ET-1 and cerebral vasospasm, in experimental rabbit subarachnoid hemorrhage.** *J Neurosurg Sci* 2019, 63(3):245-250. IF 1.8

Bereich Chirurgie

Croci DM, Wanderer S, Strange F, Gruter BE, Casoni D, Sivanrupan S, Widmer HR, Di Santo S, Fandino J, Mariani L, Marbacher S: **Systemic and CSF Interleukin-1alpha Expression in a Rabbit Closed Cranium Subarachnoid Hemorrhage Model: An Exploratory Study.** *Brain Sci* 2019, 9(10). IF 2.8

Eisele G, Roelcke U, Conen K, Huber F, Weiss T, Hofer S, Heese O, Westphal M, Hertler C, Roth P, Weller M. **Complementary and alternative medicine use by glioma patients in Switzerland.** *Neurooncol Pract.* 2019 May;6(3):237-244

Fierstra J, Anon J, Mendelowitsch I, Fandino J, Diepers M, Remonda L, Marbacher S: **Amended intraoperative neuronavigation: Three-dimensional vascular roadmapping with selective rotational digital subtraction angiography.** *World Neurosurg* 2019. IF 1.7

Gruter BE, Taschler D, Rey J, Strange F, Nevzati E, Fandino J, Marbacher S, Coluccia D: **Fluorescence Video Angiography for Evaluation of Dynamic Perfusion Status in an Aneurysm Preclinical Experimental Setting.** *Oper Neurosurg (Hagerstown)* 2019, 17(4):432-438. IF 1.4

Gruter BE, Taschler D, Strange F, Rey J, von Gunten M, Grandgirard D, Leib SL, Remonda L, Widmer HR, Nevzati E, Fandino J, Marbacher S, Coluccia D: **Testing bioresorbable stent feasibility in a rat aneurysm model.** *J Neurointerv Surg* 2019, 11(10):1050-1054. IF 3.9

Kienzler JC, Zakelis R, Babler S, Remonda E, Ragauskas A, Fandino J: **In Reply: Validation of Noninvasive Absolute Intracranial Pressure Measurements in Traumatic Brain Injury and Intracranial Hemorrhage.** *Oper Neurosurg (Hagerstown)* 2019, 17(6):E276-E277. IF 1.4

Kienzler JC, Zakelis R, Babler S, Remonda E, Ragauskas A, Fandino J: **Validation of Noninvasive Absolute Intracranial Pressure Measurements in Traumatic Brain Injury and Intracranial Hemorrhage.** *Oper Neurosurg (Hagerstown)* 2019, 16(2):186-196. IF 1.4

Lutz K, Kamenova M, Schaedelin S, Guzman R, Mariani L, Fandino J, Soleman J: **Time to and Possible Risk Factors for Recurrence after Burr-hole Drainage of Chronic Subdural Hematoma: A Subanalysis of the cSDH-Drain Randomized Controlled Trial.** *World Neurosurg* 2019, 132:e283-e289. IF 1.7

Maduri R, Starnoni D, Rocca A, Bervini D, Zumofen DW, Stienen MN, Schatlo B, Fung C, Robert T, Seule MA, Burkhardt JK, Maldaner N, Rothlisberger M, Blackham KA, Marbacher S, D'Alonzo D, Remonda L, Machi P, Gralla J, Bijlenga P, Saliou G, Ballabeni P, Levivier M, Messerer M, Daniel RT, Swiss SOSG: **Correction to: Ruptured posterior circulation aneurysms: epidemiology, patterns of care, and outcomes from the Swiss SOS national registry.** *Acta Neurochir (Wien)* 2019, 161(4):781. IF 1.8

Maduri R, Starnoni D, Rocca A, Bervini D, Zumofen DW, Stienen MN, Schatlo B, Fung C, Robert T, Seule MA, Burkhardt JK, Maldaner N, Rothlisberger M, Blackham KA, Marbacher S, D'Alonzo D, Remonda L, Machi P, Gralla J, Bijlenga P, Saliou G, Ballabeni P, Levivier M, Messerer M, Daniel RT, Swiss SOSG: **Ruptured posterior circulation aneurysms: epidemiology, patterns of care, and outcomes from the Swiss SOS national registry.** *Acta Neurochir (Wien)* 2019, 161(4):769-779. IF 1.8

Maldaner N, Steinsiepe VK, Goldberg J, Fung C, Bervini D, May A, Bijlenga P, Schaller K, Roethlisberger M, Zumofen DW, D'Alonzo D, Marbacher S, Fandino J, Maduri R, Daniel RT, Burkhardt JK, Chiappini A, Robert T, Schatlo B, Seule MA, Weyerbrock A, Regli L, Stienen MN, Swiss SOSG: **Patterns of care for ruptured aneurysms of the middle cerebral artery: analysis of a Swiss national database (Swiss SOS).** *J Neurosurg* 2019:1-10. IF 4.3

Marbacher S, Kienzler JC, Mendelowitsch I, D'Alonzo D, Anderegggen L, Diepers M, Remonda L, Fandino J: **Comparison of Intra- and Postoperative 3-Dimensional Digital Subtraction Angiography in Evaluation of the Surgical Result After Intracranial Aneurysm Treatment.** *Neurosurgery* 2019. IF 1.1

Marbacher S, Niemela M, Hernesniemi J, Frosen J: **Recurrence of endovascularly and microsurgically treated intracranial aneurysms-review of the putative role of aneurysm wall biology.** *Neurosurg Rev* 2019, 42(1):49-58. IF 2.5

Nevzati E, Rey J, Coluccia D, Gruter BE, Wanderer S, vonGunten M, Remonda L, Frosen J, Widmer HR, Fandino J, Marbacher S: **Aneurysm wall cellularity affects healing after coil embolization: assessment in a rat saccular aneurysm model.** *J Neurointerv Surg* 2019. IF 3.9

Panje CM, Putora PM, Hundsberger T, Hottinger AF, Roelcke U, Pesce G, Hermann E, Matter-Walstra K. **Impact of treatment decision algorithms on treatment costs in recurrent glioblastoma: a health economic study.** *Swiss Med Wkly.* 2019 Dec 2;149.w20153.doi:10.4414/smw.2019.20153.eColleciton 2019 Dec 2. IF 1.8

Roethlisberger M, Achermann R, Bawarjan S, Stienen MN, Fung C, D'Alonzo D, Maldaner N, Ferrari A, Corniola MV, Schoni D, Goldberg J, Valsecchi D, Robert T, Maduri R, Seule MA, Burkhardt JK, Marbacher S, Bijlenga P, Blackham KA, Bucher HC, Mariani L, Guzman R, Zumofen DW, Swiss SOSG: **Impact of Aneurysm Multiplicity on Treatment and Outcome After Aneurysmal Subarachnoid Hemorrhage.** *Neurosurgery* 2019, 84(6):E334-E344. IF 2.5

Bereich Chirurgie

Rubeli SL, D'Alonzo D, Mueller B, Bartlome N, Fankhauser H, Bucheli E, Conen A, Fandino J, Fux CA: **Implementation of an infection prevention bundle is associated with reduced surgical site infections in cranial neurosurgery.** *Neurosurg Focus* 2019, 47(2):E3. IF 1.3

Schatlo B, Remonda L, Gruber P, Fandino J, Rohde V, Fathi AR, Berberat J: **Cervical Spine Prospective Feasibility Study: Dynamic Flexion-Extension Diffusion-Tensor Weighted Magnetic Resonance Imaging.** *Clin Neuroradiol* 2019, 29(3):523-532. IF 2.8

Soleman J, Lutz K, Schaedelin S, Kamenova M, Guzman R, Mariani L, Fandino J: **In Reply: Subperiosteal vs Subdural Drain After Burr-Hole Drainage of Chronic Subdural Hematoma: A Randomized Clinical Trial (cSDH-Drain-Trial).** *Neurosurgery* 2019, 85(4):E797-E798. IF 1.1

Soleman J, Lutz K, Schaedelin S, Kamenova M, Guzman R, Mariani L, Fandino J: **Subperiosteal vs Subdural Drain After Burr-Hole Drainage of Chronic Subdural Hematoma: A Randomized Clinical Trial (cSDH-Drain-Trial).** *Neurosurgery* 2019, 85(5):E825-E834. IF 1.1

Spießberger A, Baumann F, Stauffer A, Marbacher S, Kothbauer KF, Fandino J, Moriggl B: **The Subtemporal Approach to the Lateral Midbrain with and without Zygomatic Osteotomy: An Anatomical Study.** *Clin Anat* 2019, 32(5):710-714. IF 1.8

Spießberger A, Stauffer A, Baumann F, Marbacher S, Kothbauer K, Fandino J, Moriggl B: **Splitting of the semispinalis capitis muscle as a less invasive approach for atlantoaxial fusion - A technical note.** *J Clin Neurosci* 2019, 62:260-263. IF 1.5

Spießberger A, Vogt DR, Fandino J, Marbacher S: **Formation of intracranial de novo aneurysms and recurrence after neck clipping: a systematic review and meta-analysis.** *J Neurosurg* 2019:1-9. IF 4.3

Starnoni D, Maduri R, Al Taha K, Bervini D, Zumofen DW, Stienen MN, Schatlo B, Fung C, Robert T, Seule MA, Burkhardt JK, Maldaner N, Rothlisberger M, Blackham KA, Marbacher S, D'Alonzo D, Remonda L, Machi P, Gralla J, Bijlenga P, Saliou G, Ballabeni P, Levivier M, Messerer M, Swiss SOSG, Daniel RT: **Ruptured PICA aneurysms: presentation and treatment outcomes compared to other posterior circulation aneurysms. A Swiss SOS study.** *Acta Neurochir (Wien)* 2019, 161(7):1325-1334. IF 1.8

Stienen MN, Fung C, Bijlenga P, Zumofen DW, Maduri R, Robert T, Seule MA, Marbacher S, Geisseler O, Brugger P, Gutbrod K, Chicherio C, Monsch AU, Beaud V, Rossi S, Fruh S, Schmid N, Smoll NR, Keller E, Regli L, Mo CADCIsg: **Measuring the Impact of Delayed Cerebral Ischemia on Neuropsychological Outcome After Aneurysmal Subarachnoid Hemorrhage-Protocol of a Swiss Nationwide Observational Study (MoCA-DCI Study).** *Neurosurgery* 2019, 84(5):1124-1132. IF 4.6

Strange F, Remonda L, Schutz P, Fandino J, Berkmann S: **10 Years' Experience of Using Low-Field Intraoperative Mri in Transsphenoidal Surgery for Pituitary Adenoma: Results of the Swiss Pituitary Registry (Swisspit).** *World Neurosurg* 2019. IF 1.7

Strange F, Sivanrupan S, Gruter BE, Rey J, Taeschler D, Fandino J, Marbacher S: **Fluorescence Angiography for Evaluation of Aneurysm Perfusion and Parent Artery Patency in Rat and Rabbit Aneurysm Models.** *J Vis Exp* 2019(149). IF 0.7

Van Leyen K, Roelcke U, Gruber P, Remonda L, Berberat J: **Susceptibility and Tumor Size Changes During the Time Course of Standard Treatment in Recurrent Glioblastoma.** *J Neuroimaging*. 2019 Sep;29(5):645-649. IF 2.1

Vollmer K, Patazis G, Anon J, Roelcke U, Schwyzer L: **Spinal Metastases of Supratentorial Glioblastoma with primitive Neuronal Component.** *World Neurosurg X*. 2019 Feb 12;2:100019. doi: 10.1016/j.wnsx.2019.100019. eCollection 2019 Apr. IF 1.7

Wanderer S, Coluccia D, Anon J, Fandino J, Berkmann S: **Intraoperative Computed Tomography Versus Fluoroscopy for Ventriculoperitoneal Shunt Placement.** *World Neurosurg* 2019. IF 1.7

Orthopädie-Zentrum KSA-KSB

Toft F, Moro F, Scheibel M: **[Posttraumatic and postoperative shoulder stiffness : Trauma, rotator cuff reconstruction, instability operations and shoulder arthroplasty].** *Unfallchirurg* 2019, 122(12):925-933. IF 0.7

Toft F, Moro F: **Does ORIF of rare scapular spine fractures sustained after reverse shoulder arthroplasty benefit elderly patients? A case-series appraisal.** *Orthop Traumatol Surg Res* 2019, 105(8):1521-1528. IF 1.5

Bereich Frauen und Kinder

Klinik für Urologie

- Antwerpen I, Gstrein L, Moskovszky L, Gissler HM, Moltgen T, Kwiatkowski M, Wyler S, Walter M: **Primary urethral squamous cell carcinoma: a unique manifestation of a penile tumor.** *J Int Med Res* 2019, 47(2):999-1004. IF 1.3
- Carlsson SV, Mansson M, Moss S, Kwiatkowski M, Recker F, Tammela TLJ, Bangma C, Roobol MJ, Auvinen A, Hugosson J: **Could Differences in Treatment Between Trial Arms Explain the Reduction in Prostate Cancer Mortality in the European Randomized Study of Screening for Prostate Cancer?** *Eur Urol* 2019, 75(6):1015-1022. IF 17.2
- Datta NR, Stutz E, Puric E, Eberle B, Meister A, Marder D, Timm O, Rogers S, Wyler S, Bodis S: **A Pilot Study of Radiotherapy and Local Hyperthermia in Elderly Patients With Muscle-Invasive Bladder Cancers Unfit for Definitive Surgery or Chemoradiotherapy.** *Front Oncol* 2019, 9:889. IF 4.1
- Diehm N, Marggi S, Ueki Y, Schumacher D, Keo HH, Regli C, Do DD, Moeltgen T, Grimsehl P, Wyler S, Schoenhofen H, Raber L, Schumacher M: **Endovascular Therapy for Erectile Dysfunction-Who Benefits Most? Insights From a Single-Center Experience.** *J Endovasc Ther* 2019, 26(2):181-190. IF 2.9
- Gstrein L, Antwerpen I, Gissler HM, Kwiatkowski M, Wyler S, Walter M: **Renal pseudoaneurysms and pulmonary embolism: A unique manifestation of complications following blunt renal trauma.** *Urol Case Rep* 2019, 24:100835. IF 0.4
- Hugosson J, Roobol MJ, Mansson M, Tammela TLJ, Zappa M, Nelen V, Kwiatkowski M, Lujan M, Carlsson SV, Tala KM, Lilja H, Denis LJ, Recker F, Paez A, Puliti D, Villers A, Rebillard X, Kilpelainen TP, Stenman UH, Godtman RA, Stinesen Kollberg K, Moss SM, Kujala P, Taari K, Huber A, van der Kwast T, Heijnsdijk EA, Bangma C, De Koning HJ, Schroder FH, Auvinen A, investigators E: **A 16-yr Follow-up of the European Randomized study of Screening for Prostate Cancer.** *Eur Urol* 2019, 76(1):43-51. IF 17.2
- Prause LW, Manka L, Millan C, Lang E, Wyler SF, Grobholz R, Hammerer-Lercher A, Sulser T, Recker F, Kwiatkowski M, Eberli D: **Influence of regular aspirin intake on PSA values, prostate cancer incidence and overall survival in a prospective screening trial (ERSPC Aarau).** *World J Urol* 2019. IF 2.7
- Schaer GN, Moeltgen T, Ryu G, Magg H, Khan Z, Sarlos D: **A novel combined transurethral and suprapubic approach for excision of mesh at the bladder neck.** *Int Urogynecol J* 2019 IF 2.0

Bereich Frauen und Kinder

Frauenklinik

- Schaer GN, Moeltgen T, Ryu G, Magg H, Khan Z, Sarlos D: **A novel combined transurethral and suprapubic approach for excision of mesh at the bladder neck.** *Int Urogynecol J* 2019. IF 2.0
- Schaer GN, Sarlos D, Khan Z: **A multipurpose uterine/vaginal manipulator for laparoscopic urogynecologic procedures.** *Int Urogynecol J* 2019, 30(8):1377-1379. IF 2.0

Klinik für Kinder und Jugendliche

- Cabrera N, Lega JC, Kassai B, Wouters C, Kondi A, Cannizzaro E, Woerner A, Chausset A, Roethlisberger S, Jeanneret C, Aeschlimann F, Malik S, Duquesne A, Kaiser D, Higel L, Maes A, Berthet G, Hentgen V, Kone-Paut I, Belot A, Hofer M: **Safety of biological agents in paediatric rheumatic diseases: A real-life multicenter retrospective study using the JIRcohort database.** *Joint Bone Spine* 2019, 86(3):343-350. IF 3.2
- Clemens E, van den Heuvel-Eibrink MM, Mulder RL, Kremer LCM, Hudson MM, Skinner R, Constine LS, Bass JK, Kuehni CE, Langer T, van Dalen EC, Bardi E, Bonne NX, Brock PR, Brooks B, Carleton B, Caron E, Chang KW, Johnston K, Knight K, Nathan PC, Orgel E, Prasad PK, Rottenberg J, Scheinmann K, de Vries ACH, Walwyn T, Weiss A, Am Zehnhoff-Dinnesen A, Cohn RJ, Landier W, International Guideline Harmonization Group ototoxicity g: **Recommendations for ototoxicity surveillance for childhood, adolescent, and young adult cancer survivors: a report from the International Late Effects of Childhood Cancer Guideline Harmonization Group in collaboration with the PanCare Consortium.** *Lancet Oncol* 2019, 20(1):e29-e41. IF 35.3
- Hafner P, Bonati U, Klein A, Rubino D, Gocheva V, Schmidt S, Schroeder J, Bernert G, Laugel V, Steinlin M, Capone A, Gloor M, Bieri O, Hemkens LG, Speich B, Zumbunn T, Gueven N, Fischer D: **Effect of Combination I-Citrulline and Metformin Treatment on Motor Function in Patients With Duchenne Muscular Dystrophy: A Randomized Clinical Trial.** *JAMA Netw Open* 2019, 2(10):e1914171. IF 10.0
- Mader L, Roser K, Baenziger J, Vetsch J, Winther JF, Scheinmann K, Michel G: **Relationship status and quality of the partner relationship in parents of long-term childhood cancer survivors: The Swiss Childhood Cancer Survivor Study-Parents.** *Psychooncology* 2019, 28(2):309-316.

Bereich Perioperative Medizin

Klinik für Anästhesie

du Fay de Lavallaz J, Puelacher C, Lurati Buse G, Bolliger D, Germanier D, Hidvegi R, Walter JE, Twerenbold R, Strebel I, Badertscher P, Szargy L, Lampart A, Espinola J, Kindler C, Hammerer-Lercher A, Thambipillai S, Guerke L, Rentsch K, Buser A, Gualandro D, Jakob M, Mueller C, Investigators B-P: **Daytime variation of perioperative myocardial injury in non-cardiac surgery and effect on outcome.** *Heart* 2019, 105(11):826-833. IF 5.4

Herion C, Egger L, Greif R, Violato C: **Validating international CanMEDS-based standards defining education and safe practice of nurse anesthetists.** *Int Nurs Rev* 2019, 66(3):404-415. IF 1.5

Luethy A, Kindler CH, Cotten JF: **Anesthetic pretreatment confers thermotolerance on *Saccharomyces cerevisiae* yeast.** *Biochem Biophys Res Commun* 2019. IF 2.5

Bereich Zentrale Medizinische Dienste

Institut für Labormedizin

Baumgartner T, Zurauskaite G, Steuer C, Bernasconi L, Huber A, Mueller B, Schuetz P: **Association of serum sphingomyelin profile with clinical outcomes in patients with lower respiratory tract infections: results of an observational, prospective 6-year follow-up study.** *Clin Chem Lab Med* 2019, 57(5):679-689. IF 3.5

Badertscher P, du Fay de Lavallaz J, Hammerer-Lercher A, Nestelberger T, Zimmermann T, Geiger M, Imahorn O, Miró Ò, Salgado E, Christ M, Cullen L, Than M, Martin-Sanchez FJ, Di Somma S, Peacock WF, Keller DI, Costabel JP, Walter J, Boeddinghaus J, Twerenbold R, Méndez A, Gospodinov B, Puelacher C, Wussler D, Koechlin L, Kaweckki D, Geigy N, Strebel I, Lohrmann J, Kühne M, Reichlin T, Mueller C; BASEL IX Investigators. **Prevalence of Pulmonary Embolism in Patients With Syncope.** *J Am Coll Cardiol* 2019; 74(6): 744-754. IF 8.6

Bernasconi L, Mundwiler E, Regenass S, Aubert V, Hammerer-Lercher A, Heijnen I: **Variable and inaccurate serum IgG4 levels resulting from lack of standardization in IgG subclass assay calibration.** *Clin Chem Lab Med* 2019, 57(11):1777-1783. IF 3.5

Bolliger R, Neeser O, Merker M, Vukajlovic T, Felder L, Fiumefreddo R, Haubitz S, Koch D, Hammerer-Lercher A, Ottiger C, Fux CA, Mueller B, Schuetz P. **Validation of a Prediction Rule for Legionella Pneumonia in Emergency Department Patients.** *Open Forum Infect Dis* 2019; 6(7): ofz268. IF 3.4

du Fay de Lavallaz J, Puelacher C, Lurati Buse G, Bolliger D, Germanier D, Hidvegi R, Walter JE, Twerenbold R, Strebel I, Badertscher P, Szargy L, Lampart A, Espinola J, Kindler C, Hammerer-Lercher A, Thambipillai S, Guerke L, Rentsch K, Buser A, Gualandro D, Jakob M, Mueller C; BASEL-PMI Investigators. **Daytime variation of perioperative myocardial injury in non-cardiac surgery and effect on outcome.** *Heart* 2019; 105(11): 826-833. IF 5.1

Ebrahimi F, Urwyler SA, Schuetz P, Mueller B, Bernasconi L, Neyer P, Donath MY, Christ-Crain M: **Effects of interleukin-1 antagonism on cortisol levels in individuals with obesity: a randomized clinical trial.** *Endocr Connect* 2019, 8(6):701-708. IF 2.4

Eckart A, Hauser SI, Kutz A, Haubitz S, Hausfater P, Amin D, Amin A, Huber A, Mueller B, Schuetz P: **Combination of the National Early Warning Score (NEWS) and inflammatory biomarkers for early risk stratification in emergency department patients: results of a multinational, observational study.** *BMJ Open* 2019, 9(1):e024636. IF 2.3

Eckart A, Struja T, Kutz A, Baumgartner A, Baumgartner T, Zurfluh S, Neeser O, Huber A, Stanga Z, Mueller B, Schuetz P: **Relationship of nutritional status, inflammation, and serum albumin levels during acute illness: A prospective study.** *Am J Med* 2019. IF 5.0

Evers KS, Huhn EA, Fouzas S, Barro C, Kuhle J, Fisch U, Bernasconi L, Lapaire O, Wellmann S: **Impact of parturition on maternal cardiovascular and neuronal integrity in a high risk cohort - a prospective cohort study.** *BMC Pregnancy Childbirth* 2019, 19(1):403. IF 2.4

Flores-Montero J, Grigore G, Fluxa R, Hernandez J, Fernandez P, Almeida J, Munoz N, Bottcher S, Sedek L, van der Velden V, Barrera S, Hernandez A, Paiva B, Lecrevisse Q, Lima M, Santos AH, van Dongen JJM, Orfao A: **EuroFlow Lymphoid Screening Tube (LST) data base for automated identification of blood lymphocyte subsets.** *J Immunol Methods* 2019, 475:112662. IF 1.9

Flores-Montero J, Kalina T, Corral-Mateos A, Sanoja-Flores L, Perez-Andres M, Martin-Ayuso M, Sedek L, Rejllova K, Mayado A, Fernandez P, van der Velden V, Bottcher S, van Dongen JJM, Orfao A: **Fluorochrome choices for multi-color flow cytometry.** *J Immunol Methods* 2019, 475:112618. IF 1.9

Bereich Zentrale Medizinische Dienste

Glier H, Heijnen I, Hauwel M, Dirks J, Quarroz S, Lehmann T, Rovo A, Arn K, Matthes T, Hogan C, Keller P, Dudkiewicz E, Stussi G, Fernandez P, Swiss Cytometry S: **Standardization of 8-color flow cytometry across different flow cytometer instruments: A feasibility study in clinical laboratories in Switzerland.** *J Immunol Methods* 2019, 475:112348. IF 1.9

Glier H, Novakova M, Te Marvelde J, Bijkerk A, Morf D, Thurner D, Rejllova K, Lange S, Finke J, van der Sluijs-Gelling A, Sedek L, Flores-Montero J, Bottcher S, Fernandez P, Ritgen M, van Dongen JJM, Orfao A, van der Velden VHJ, Kalina T: **Comments on EuroFlow standard operating procedures for instrument setup and compensation for BD FACS Canto II, Navios and BD FACS Lyric instruments.** *J Immunol Methods* 2019, 475:112680. IF 1.9

Hugosson J, Roobol MJ, Mansson M, Tammela TLJ, Zappa M, Nelen V, Kwiatkowski M, Lujan M, Carlsson SV, Tala-la KM, Lilja H, Denis LJ, Recker F, Paez A, Puliti D, Villers A, Rebillard X, Kilpelainen TP, Stenman UH, Godtman RA, Stinesen Kollberg K, Moss SM, Kujala P, Taari K, Huber A, van der Kwast T, Heijnsdijk EA, Bangma C, De Koning HJ, Schroder FH, Auvinen A, investigators E: **A 16-yr Follow-up of the European Randomized study of Screening for Prostate Cancer.** *Eur Urol* 2019, 76(1):43-51. IF 17.2

Kalina T, Brdickova N, Glier H, Fernandez P, Bitter M, Flores-Montero J, van Dongen JJM, Orfao A: **Frequent issues and lessons learned from EuroFlow QA.** *J Immunol Methods* 2019, 475:112520. IF 1.9

Langlois MR, Nordestgaard BG, Langsted A, Chapman MJ, Aakre KM, Baum H, Borén J, Bruckert E, Catapano A, Cobbaert C, Collinson P, Descamps OS, Duff CJ, von Eckardstein A, Hammerer-Lercher A, Kamstrup PR, Kolovou G, Kronenberg F, Mora S, Pulkki K, Remaley AT, Rifai N, Ros E, Stankovic S, Stavljenic-Rukavina A, Sypniewska G, Watts GF, Wiklund O, Laitinen P; European Atherosclerosis Society (EAS) and the European Federation of Clin Chem Lab Med (EFLM) Joint Consensus Initiative. **Quantifying atherogenic lipoproteins for lipid-lowering strategies: consensus-based recommendations from EAS and EFLM.** *Clin Chem Lab Med* 2019. IF 3.6

Mayer-Rollnik S, Harms C, Bernasconi L, Hammerer A, Reiss E, Girard T, Bolliger D: **Evaluation of autologous retransfusion from a closed suction drainage system for patient blood management in elective total hip and knee replacement: A two cohort study.** *Eur J Anaesthesiol* 2019. IF 4.1

Menter T, Lundberg P, Wenzel F, Dirks J, Fernandez P, Friess D, Dirnhofer S, Tzankov A: **RUNX1 Mutations Can Lead to Aberrant Expression of CD79a and PAX5 in Acute Myelogenous Leukemias: A Potential Diagnostic Pitfall.** *Pathobiology* 2019, 86(2-3):162-166. IF 3.1

Neeser OL, Vukajlovic T, Felder L, Haubitz S, Hammerer-Lercher A, Ottiger C, Mueller B, Schuetz P, Fux CA. **A high C-reactive protein/procalcitonin ratio predicts Mycoplasma pneumoniae infection.** *Clin Chem Lab Med* 2019; 57(10): 1638-1646. IF 3.6

Neyer P, Bernasconi L, Fuchs JA, Allenspach MD, Steuer C: **Derivatization-free determination of short-chain volatile amines in human plasma and urine by headspace gas chromatography-mass spectrometry.** *J Clin Lab Anal* 2019:e23062. IF 1.7

Novakova M, Glier H, Brdickova N, Vlkova M, Santos AH, Lima M, Roussel M, Flores-Montero J, Szczepanski T, Bottcher S, van der Velden VHJ, Fernandez P, Mejstrikova E, Burgos L, Paiva B, van Dongen JJM, Orfao A, Kalina T: **How to make usage of the standardized EuroFlow 8-color protocols possible for instruments of different manufacturers.** *J Immunol Methods* 2019, 475:112388. IF 1.9

Prause LW, Manka L, Millan C, Lang E, Wyler SF, Grobholz R, Hammerer-Lercher A, Sulser T, Recker F, Kwiatkowski M, Eberli D. **Influence of regular aspirin intake on PSA values, prostate cancer incidence and overall survival in a prospective screening trial (ERSPC Aarau).** *World J Urol* 2019. IF 2.8

Reiber H, Zeman D, Kusnierova P, Mundwiler E, Bernasconi L: **Diagnostic relevance of free light chains in cerebrospinal fluid - The hyperbolic reference range for reliable data interpretation in quotient diagrams.** *Clin Chim Acta* 2019, 497:153-162. IF 2.7

Rubeli SL, D'Alonzo D, Mueller B, Bartomé N, Fankhauser H, Bucheli E, Conen A, Fandino J, Fux CA. **Implementation of an infection prevention bundle is associated with reduced surgical site infections in cranial neurosurgery.** *Neurosurg Focus* 2019; 47(2): E32. IF 9.0

Sailer CO, Winzeler B, Nigro N, Bernasconi L, Mueller B, Christ-Crain M: **Influence of Outdoor Temperature and Relative Humidity on Incidence and Etiology of Hyponatremia.** *J Clin Endocrinol Metab* 2019, 104(4):1304-1312. IF 5.4

Struja T, Eckart A, Kutz A, Neyer P, Kraenzlin M, Mueller B, Meier C, Bernasconi L, Schuetz P: **Metabolomics and Their Ability to Distinguish Thyroid Disorders: A Retrospective Pilot Study.** *Horm Metab Res* 2019, 51(4):256-260. IF 2.4

Bereich Zentrale Medizinische Dienste

Struja T, Jutzi R, Imahorn N, Kaeslin M, Boesiger F, Kutz A, Mundwiler E, Huber A, Kraenzlin M, Mueller B, Meier C, Bernasconi L, Schuetz P: **Comparison of Five TSH-Receptor Antibody Assays in Graves' disease: results from an observational pilot study.** *BMC Endocr Disord* 2019, 19(1):38. IF 1.8

Vogeli A, Ghasemi M, Gregoriano C, Hammerer A, Haubitz S, Koch D, Kutz A, Mueller B, Schuetz P: **Diagnostic and prognostic value of the D-dimer test in emergency department patients: secondary analysis of an observational study.** *Clin Chem Lab Med* 2019, 57(11):1730-1736. IF 3.6

Institut für Pathologie

Barth BK, Rupp NJ, Cornelius A, Nanz D, Grobholz R, Schmidpeter M, Wild PJ, Eberli D, Donati OF: **Diagnostic Accuracy of a MR Protocol Acquired with and without Endorectal Coil for Detection of Prostate Cancer: A Multicenter Study.** *Curr Urol* 2019, 12(2):88-96. IF 0.5

Gambazzi F, Frey LD, Bruehlmeier M, Janthur WD, Graber SM, Heuberger J, Springer OS, Zweifel R, Boerner B, Tini GM, Irani S: **Comparing Two Imaging Methods for Follow-Up of Lung Cancer Treatment: A Randomized Pilot Study.** *Ann Thorac Surg* 2019, 107(2):430-435. IF 1.7

Gambazzi F, Frey LD, Bruehlmeier M, Janthur WD, Heuberger J, Spirig A, Williams R, Zweifel R, Boerner B, Tini GM, Irani S: **Image analysis in posttreatment non-small cell lung cancer surveillance: specialists' interpretations reviewed by the thoracic multidisciplinary tumor board.** *Multidiscip Respir Med* 2019, 14:34. IF 1.0

Prause LW, Manka L, Millan C, Lang E, Wyler SF, Grobholz R, Hammerer-Lercher A, Sulser T, Recker F, Kwiatkowski M, Eberli D: **Influence of regular aspirin intake on PSA values, prostate cancer incidence and overall survival in a prospective screening trial (ERSPC Aarau).** *World J Urol* 2019. IF 2.7

Savic S, Berezowska S, Eppenberger-Castori S, Cathomas G, Diebold J, Fleischmann A, Jochum W, Komminoth P, McKee T, Letovanec I, Jasarevic Z, Rossle M, Singer G, von Gunten M, Zettl A, Zweifel R, Soltermann A, Bubendorf L: **PD-L1 testing of non-small cell lung cancer using different antibodies and platforms: a Swiss cross-validation study.** *Virchows Arch* 2019, 475(1):67-76. IF 2.8

Stoll M, Nebiker CA, Remonda L, Grobholz R: **Coronary Heart Disease and an Incidental Parathyroid Carcinoma.** *Case Rep Pathol* 2019, 2019:7159395.

Unternaehrer J, Grobholz R, Janowczyk A, Zlobec I, Swiss Digital Pathology C: **Current opinion, status and future development of digital pathology in Switzerland.** *J Clin Pathol* 2019. IF 2.3

Institut für Radiologie

Aberle C, Ryckx N, Treier R, Schindera S: **Update of national diagnostic reference levels for adult CT in Switzerland and assessment of radiation dose reduction since 2010.** *Eur Radiol* 2019. IF 3.9

Antwerpen I, Gstrein L, Moskovszky L, Gissler HM, Moltgen T, Kwiatkowski M, Wyler S, Walter M: **Primary urethral squamous cell carcinoma: a unique manifestation of a penile tumor.** *J Int Med Res* 2019, 47(2):999-1004. IF 1.3

Barth BK, Rupp NJ, Cornelius A, Nanz D, Grobholz R, Schmidpeter M, Wild PJ, Eberli D, Donati OF: **Diagnostic Accuracy of a MR Protocol Acquired with and without Endorectal Coil for Detection of Prostate Cancer: A Multicenter Study.** *Curr Urol* 2019, 12(2):88-96.

Fierstra J, Anon J, Mendelowitsch I, Fandino J, Diepers M, Remonda L, Marbacher S: **Amended intraoperative neuronavigation: Three-dimensional vascular roadmapping with selective rotational digital subtraction angiography.** *World Neurosurg* 2019. IF 1.7

Gruber P, Berberat J, Kahles T, Anon J, Diepers M, Nedeltchev K, Remonda L: **Angioplasty Using Drug-Coated Balloons in Ostial Vertebral Artery Stenosis.** *Ann Vasc Surg* 2019. IF 1.1

Gruber P, Braun C, Kahles T, Hlavica M, Anon J, Diepers M, Nedeltchev K, Berberat J, Remonda L: **Percutaneous transluminal angioplasty using the novel drug-coated balloon catheter SeQuent Please NEO for the treatment of symptomatic intracranial severe stenosis: feasibility and safety study.** *J Neurointerv Surg* 2019, 11(7):719-722. IF 3.9

Gstrein L, Antwerpen I, Gissler HM, Kwiatkowski M, Wyler S, Walter M: **Renal pseudoaneurysms and pulmonary embolism: A unique manifestation of complications following blunt renal trauma.** *Urol Case Rep* 2019, 24:100835. IF 0.4

Heilmaier C, Treier R, Merkle EM, Alkadhi H, Weishaupt D, Schindera S: Correction to: **National survey on dose data analysis in computed tomography.** *Eur Radiol* 2019, 29(2):1063. IF 3.9

Bereich Zentrale Medizinische Dienste

Smith-Bindman R, Wang Y, Chu P, Chung R, Einstein AJ, Balcombe J, Cocker M, Das M, Delman BN, Flynn M, Gould R, Lee RK, Yellen-Nelson T, Schindera S, Seibert A, Starkey J, Suntharalingam S, Wetter A, Wildberger JE, Miglioretti DL: **International variation in radiation dose for computed tomography examinations: prospective cohort study.** *BMJ* 2019, 364:k4931. IF 27.6

Tozakidou M, Apine I, Petersen KU, Weinrich JM, Schindera S, Jopp-van Well E, Puschel K, Herrmann J: **Comparison of different iterative CT reconstruction techniques and filtered back projection for assessment of the medial clavicular epiphysis in forensic age estimation.** *Int J Legal Med* 2020, 134(1):355-361. IF 2.0

Tozakidou M, Yang SR, Kovacs BK, Szucs-Farkas Z, Studler U, Schindera S, Hirschmann A: **Dose-optimized computed tomography of the cervical spine in patients with shoulder pull-down: Is image quality comparable with a standard dose protocol in an emergency setting?** *Eur J Radiol* 2019, 120:108655. IF 3.9

Neuroradiologie

Berberat J, Montali M, Gruber P, Pircher A, Hlavica M, Wang F, Killer HP, Remonda L: **Modulation of the Emotional Response to Viewing Strabismic Children in Mothers-Measured by fMRI.** *Clin Neuroradiol* 2019, 29(1):87-94. IF 2.8

Fiehler J, Thomalla G, Bernhardt M, Kniep H, Berlis A, Dorn F, Eckert B, Kemmling A, Langner S, Remonda L, Reith W, Rohde S, Mohlenbruch M, Bendszus M, Forkert ND, Gellissen S: **Eraser.** *Stroke* 2019, 50(5):1275-1278. IF 6.0

Fierstra J, Anon J, Mendelowitsch I, Fandino J, Diepers M, Remonda L, Marbacher S: **Amended intraoperative neuro-navigation: Three-dimensional vascular roadmapping with selective rotational digital subtraction angiography.** *World Neurosurg* 2019. IF 1.7

Gruber P, Berberat J, Kahles T, Anon J, Diepers M, Nedeltchev K, Remonda L: **Angioplasty Using Drug-Coated Balloons in Ostial Vertebral Artery Stenosis.** *Ann Vasc Surg* 2019. IF 1.1

Gruber P, Braun C, Kahles T, Hlavica M, Anon J, Diepers M, Nedeltchev K, Berberat J, Remonda L: **Percutaneous transluminal angioplasty using the novel drug-coated balloon catheter SeQuent Please NEO for the treatment of symptomatic intracranial severe stenosis: feasibility and safety study.** *J Neurointerv Surg* 2019, 11(7):719-722. IF 3.9

Gruber P, Hlavica M, Berberat J, Victor Ineichen B, Diepers M, Nedeltchev K, Kahles T, Remonda L: **Acute administration of tirofiban versus aspirin in emergent carotid artery stenting.** *Interv Neuroradiol* 2019, 25(2):219-224. IF 0.7

Gruter BE, Taschler D, Strange F, Rey J, von Gunten M, Grandgirard D, Leib SL, Remonda L, Widmer HR, Nevzati E, Fandino J, Marbacher S, Coluccia D: **Testing bioresorbable stent feasibility in a rat aneurysm model.** *J Neurointerv Surg* 2019, 11(10):1050-1054. IF 3.9

Hao J, Pircher A, Miller NR, Hsieh J, Remonda L, Killer HE: **Cerebrospinal fluid and optic nerve sheath compartment syndrome: A common pathophysiological mechanism in five different cases?** *Clin Exp Ophthalmol* 2019. IF 3.4

Kienzler JC, Zakelis R, Babler S, Remonda E, Ragauskas A, Fandino J: **In Reply: Validation of Noninvasive Absolute Intracranial Pressure Measurements in Traumatic Brain Injury and Intracranial Hemorrhage.** *Oper Neurosurg (Hagerstown)* 2019, 17(6):E276-E277. IF 1.4

Kienzler JC, Zakelis R, Babler S, Remonda E, Ragauskas A, Fandino J: **Validation of Noninvasive Absolute Intracranial Pressure Measurements in Traumatic Brain Injury and Intracranial Hemorrhage.** *Oper Neurosurg (Hagerstown)* 2019, 16(2):186-196. IF 1.4

Maduri R, Starnoni D, Rocca A, Bervini D, Zumofen DW, Stienen MN, Schatlo B, Fung C, Robert T, Seule MA, Burkhardt JK, Maldaner N, Rothlisberger M, Blackham KA, Marbacher S, D'Alonzo D, Remonda L, Machi P, Gralla J, Bijlenga P, Saliou G, Ballabeni P, Levivier M, Messerer M, Daniel RT, Swiss SOSG: **Correction to: Ruptured posterior circulation aneurysms: epidemiology, patterns of care, and outcomes from the Swiss SOS national registry.** *Acta Neurochir (Wien)* 2019, 161(4):781. IF 1.8

Maduri R, Starnoni D, Rocca A, Bervini D, Zumofen DW, Stienen MN, Schatlo B, Fung C, Robert T, Seule MA, Burkhardt JK, Maldaner N, Rothlisberger M, Blackham KA, Marbacher S, D'Alonzo D, Remonda L, Machi P, Gralla J, Bijlenga P, Saliou G, Ballabeni P, Levivier M, Messerer M, Daniel RT, Swiss SOSG: **Ruptured posterior circulation aneurysms: epidemiology, patterns of care, and outcomes from the Swiss SOS national registry.** *Acta Neurochir (Wien)* 2019, 161(4):769-779. IF 1.8

Maldaner N, Steinsiepe VK, Goldberg J, Fung C, Bervini D, May A, Bijlenga P, Schaller K, Roethlisberger M, Zumofen DW, D'Alonzo D, Marbacher S, Fandino J, Maduri R, Daniel RT, Burkhardt JK, Chiappini A, Robert T, Schatlo B, Seule MA, Weyerbrock A, Regli L, Stienen MN; Swiss SOS Study Group. **Patterns of care for ruptured aneurysms of the middle cerebral artery: analysis of a Swiss national database (Swiss SOS).** *J Neurosurg.* 2019 Nov 15:1-10. IF 4.1

Bereich Zentrale Medizinische Dienste

Marbacher S, Kienzler JC, Mendelowitsch I, D'Alonzo D, Anderegg L, Diepers M, Remonda L, Fandino J: **Comparison of Intra- and Postoperative 3-Dimensional Digital Subtraction Angiography in Evaluation of the Surgical Result After Intracranial Aneurysm Treatment.** *Neurosurgery* 2019. IF 4.6

Nevzati E, Rey J, Coluccia D, Gruter BE, Wanderer S, vonGuntzen M, Remonda L, Frosen J, Widmer HR, Fandino J, Marbacher S: **Aneurysm wall cellularity affects healing after coil embolization: assessment in a rat saccular aneurysm model.** *J Neurointerv Surg* 2019. IF 3.9

Schatlo B, Remonda L, Gruber P, Fandino J, Rohde V, Fathi AR, Berberat J: **Cervical Spine Prospective Feasibility Study : Dynamic Flexion-Extension Diffusion-Tensor Weighted Magnetic Resonance Imaging.** *Clin Neuroradiol* 2019, 29(3):523-532. IF 2.8

Starnoni D, Maduri R, Al Taha K, Bervini D, Zumofen DW, Stienen MN, Schatlo B, Fung C, Robert T, Seule MA, Burkhardt JK, Maldaner N, Roethlisberger M, Blackham KA, Marbacher S, D'Alonzo D, Remonda L, Machi P, Gralla J, Bijlenga P, Saliou G, Ballabeni P, Levivier M, Swiss SOSG, Messerer M, Daniel RT: **Correction to: Ruptured PICA aneurysms: presentation and treatment outcomes compared to other posterior circulation aneurysms. A Swiss SOS study.** *Acta Neurochir (Wien)* 2019, 161(7):1335-1336. IF 1.8

Starnoni D, Maduri R, Al Taha K, Bervini D, Zumofen DW, Stienen MN, Schatlo B, Fung C, Robert T, Seule MA, Burkhardt JK, Maldaner N, Rothlisberger M, Blackham KA, Marbacher S, D'Alonzo D, Remonda L, Machi P, Gralla J, Bijlenga P, Saliou G, Ballabeni P, Levivier M, Messerer M, Swiss SOSG, Daniel RT: **Ruptured PICA aneurysms: presentation and treatment outcomes compared to other posterior circulation aneurysms. A Swiss SOS study.** *Acta Neurochir (Wien)* 2019, 161(7):1325-1334. IF 1.8

Stoll M, Nebiker CA, Remonda L, Grobholz R: **Coronary Heart Disease and an Incidental Parathyroid Carcinoma.** *Case Rep Pathol* 2019, 2019:7159395. IF 1.1

Strange F, Remonda L, Schutz P, Fandino J, Berkmann S: **10 Years' Experience of Using Low-Field Intraoperative Mri in Transsphenoidal Surgery for Pituitary Adenoma: Results of the Swiss Pituitary Registry (Swisspit).** *World Neurosurg* 2019. IF 1.7

van Leyen K, Roelcke U, Gruber P, Remonda L, Berberat J: **Susceptibility and Tumor Size Changes During the Time Course of Standard Treatment in Recurrent Glioblastoma.** *J Neuroimaging* 2019, 29(5):645-649. IF 2.0

Vollmer K, Pantazis G, Anon J, Roelcke U, Schwyzer L: **Spinal Metastases of Supratentorial Glioblastoma with Primitive Neuronal Component.** *World Neurosurg X* 2019, 2:100019. IF 1.7

Wanderer S, Coluccia D, Anon J, Fandino J, Berkmann S: **Intraoperative Computed Tomography Versus Fluoroscopy for Ventriculoperitoneal Shunt Placement.** *World Neurosurg* 2019. IF 1.7

Nuklearmedizin und PET-Zentrum

Gambazzi F, Frey LD, Bruehlmeier M, Janthur WD, Graber SM, Heuberger J, Springer OS, Zweifel R, Boerner B, Tini GM, Irani S: **Comparing Two Imaging Methods for Follow-Up of Lung Cancer Treatment: A Randomized Pilot Study.** *Ann Thorac Surg* 2019, 107(2):430-435. IF 3.9

Gambazzi F, Frey LD, Bruehlmeier M, Janthur WD, Heuberger J, Spirig A, Williams R, Zweifel R, Boerner B, Tini GM, Irani S: **Image analysis in posttreatment non-small cell lung cancer surveillance: specialists' interpretations reviewed by the thoracic multidisciplinary tumor board.** *Multidiscip Respir Med* 2019, 14:34.

Radio-Onkologie-Zentrum KSA-KSB

Bogowicz M, Tanadini-Lang S, Veit-Haibach P, Pruschy M, Bender S, Sharma A, Hullner M, Studer G, Stieb S, Hemmatzad H, Glatz S, Guckenberger M, Riesterer O: **Perfusion CT radiomics as potential prognostic biomarker in head and neck squamous cell carcinoma.** *Acta Oncol* 2019, 58(10):1514-1518. IF 3.2

Datta NR, Bodis S: **Hyperthermia with photon radiotherapy is thermoradiobiologically analogous to neutrons for tumors without enhanced normal tissue toxicity.** *Int J Hyperthermia* 2019, 36(1):1073-1078. IF 3.4

Datta NR, Bodis S: **Hyperthermia with radiotherapy reduces tumour alpha/beta: Insights from trials of thermo-radiotherapy vs radiotherapy alone.** *Radiother Oncol* 2019, 138:1-8. IF 5.2

Datta NR, Rogers S, Bodis S: **Challenges and Opportunities to Realize "The 2030 Agenda for Sustainable Development" by the United Nations: Implications for Radiation Therapy Infrastructure in Low- and Middle-Income Countries.** *Int J Radiat Oncol Biol Phys* 2019, 105(5):918-933. IF 6.2

Bereich Zentrale Medizinische Dienste

Datta NR, Stutz E, Gomez S, Bodis S: **Efficacy and Safety Evaluation of the Various Therapeutic Options in Locally Advanced Cervix Cancer: A Systematic Review and Network Meta-Analysis of Randomized Clinical Trials.** *Int J Radiat Oncol Biol Phys* 2019, 103(2):411-437. IF 6.2

Datta NR, Stutz E, Puric E, Eberle B, Meister A, Marder D, Timm O, Rogers S, Wyler S, Bodis S: **A Pilot Study of Radiotherapy and Local Hyperthermia in Elderly Patients With Muscle-Invasive Bladder Cancers Unfit for Definitive Surgery or Chemoradiotherapy.** *Front Oncol* 2019, 9:889. IF 2.5

Riesterer O, Ciernik IF, Stahel RA, Xyrafas A, Aebbersold DM, Plasswilm L, Mahmut Ozsahin E, Zwahlen DR, Nackaerts K, Zimmermann F, Sabrina Stark L, Weder W, Krayenbuehl J, Swiss Group for Clinical Cancer R: **Pattern of failure after adjuvant radiotherapy following extrapleural pneumonectomy of pleural mesothelioma in the SAKK 17/04 trial.** *Radiother Oncol* 2019, 138:121-125. IF 5.2

Rogers SJ, Puric E, Eberle B, Datta NR, Bodis SB: **Radiotherapy for Melanoma: More than DNA Damage.** *Dermatol Res Pract* 2019, 2019:9435389. IF 0.9

Stieb S, Riesterer O, Boss A, Weiss T, Guckenberger M, Ozbay PS, Nanz D, Rossi C: **Dependency of the blood oxygen level dependent-response to hyperoxic challenges on the order of gas administration in intracranial malignancies.** *Neuroradiology* 2019, 61(7):783-793. IF 2.5

Tran S, Puric E, Walser M, Poel R, Datta NR, Heuberger J, Pica A, Marder D, Lomax N, Bolsi A, Morach P, Bachtary B, Seddon BM, Schneider R, Bodis S, Weber DC: **Early results and volumetric analysis after spot-scanning proton therapy with concomitant hyperthermia in large inoperable sacral chordomas.** *Br J Radiol* 2019:20180883. IF 1.9