

BEREICH MEDIZIN

Allgemeine Innere und Notfallmedizin

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.** *Clinical chemistry and laboratory medicine* 2018. IF 3.6

Baumgartner T, Zurauskaite G, Wirz Y, Meier M, Steuer C, Bernasconi L, Huber A, Christ-Crain M, Henzen C, Hoess C, Thomann R, Zimmerli W, Mueller B, Schuetz P: **Association of the Tyrosine/Nitrotyrosine pathway with death or ICU admission within 30 days for patients with community acquired pneumonia.** *BMC Infect Dis* 2018, 18(1):423. IF 2.9

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.** *Clinical endocrinology* 2018. IF 3.1

Bolliger R, Merker M, Wirz Y, Mueller B, Schuetz P: **Is Procalcitonin-Guided Antibiotic Therapy Working in Emergency Department Outpatients?** *Annals of emergency medicine* 2018, 72(2):226-228. IF 5.0

Conca A, Gabele A, Reutlinger B, Schuetz P, Kutz A, Haubitz S, Faessler L, Batschwaroff M, Schild U, Caldara Z, Regez K, Schirlo S, Vossler G, Kahles T, Nedeltchev K, Keller A, Huber A, De Geest S, Buergi U, Tobias P, Louis Simonet M, Mueller B, Schafer-Keller P: **Prediction of post-acute care demand in medical and neurological inpatients: diagnostic assessment of the post-acute discharge score – a prospective cohort study.** *BMC health services research* 2018, 18(1):111. IF 1.8

De Marchis GM, Schneider J, Weck A, Fluri F, Fladt J, Foerch C, Mueller B, Luft A, Christ-Crain M, Arnold M, Katan M: **Midregional proatrial natriuretic peptide improves risk stratification after ischemic stroke.** *Neurology* 2018, 90(6):e455-e465. IF 7.6

Ebrahimi F, Giaglis S, Hahn S, Blum CA, Baumgartner C, Kutz A, van Breda SV, Mueller B, Schuetz P, Christ-Crain M, Hasler P: **Markers of neutrophil extracellular traps predict adverse outcome in community-acquired pneumonia: secondary analysis of a randomised controlled trial.** *The European respiratory journal* 2018, 51(4). IF 12.2

Ebrahimi F, Urwyler SA, Straumann S, Doerpfeld S, Bernasconi L, Neyer P, Schuetz P, Mueller B, Donath MY, Christ-Crain M: **IL-1 Antagonism in Men With Metabolic Syndrome and Low Testosterone: A Randomized Clinical Trial.** *The Journal of clinical endocrinology and metabolism* 2018, 103(9):3466-3476. IF 5.8

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 Randomized Controlled Trials.** *The European respiratory journal* 2018. IF 12.2

Eckart A, Hausfater P, Amin D, Amin A, Haubitz S, Bernard M, Baumgartner A, Struja T, Kutz A, Christ-Crain M, Huber A, Mueller B, Schuetz P: **Hyponatremia and activation of vasopressin secretion are both independently associated with 30-day mortality: results of a multicenter, observational study.** *Journal of internal medicine* 2018. IF 6.8

Fenske W, Refardt J, Chifu I, Schnyder I, Winzeler B, Drummond J, Ribeiro-Oliveira A, Jr., Drescher T, Bilz S, Vogt DR, Malzahn U, Kroiss M, Christ E, Henzen C, Fischli S, Tonjes A, Mueller B, Schopohl J, Flitsch J, Brabant G, Fassnacht M, Christ-Crain M: **A Copeptin-Based Approach in the Diagnosis of Diabetes Insipidus.** *The New England journal of medicine* 2018, 379(5):428-439. IF 79.3

Friedli N, Stanga Z, Culkin A, Crook M, Laviano A, Sobotka L, Kressig RW, Kondrup J, Mueller B, Schuetz P: **Management and prevention of refeeding syndrome in medical inpatients: An evidence-based and consensus-supported algorithm.** *Nutrition* 2018, 47:13-20. IF 3.7

Kempf J, Schmitz A, Meier A, Delfs N, Mueller B, Fandino J, Schuetz P, Berkmann S: **Adenoma size and postoperative IGF-1 levels predict surgical outcomes in acromegaly patients: results of the Swiss Pituitary Registry (SwissPit).** *Swiss medical weekly* 2018, 148:w14653. IF 1.9

Meier MA, Branche A, Neeser OL, Wirz Y, Haubitz S, Bouadma L, Wolff M, Luyt CE, Chastre J, Tubach F, Christ-Crain M, Corti C, Jensen JS, Deliberato RO, Kristoffersen KB, Damas P, Nobre V, Oliveira CF, Shehabi Y, Stolz D, Tamm M, Mueller B, Schuetz P: **Procalcitonin-guided antibiotic treatment in patients with positive blood cultures: A patient-level meta-analysis of randomized trials.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America* 2018. IF 9.1

Ottiger M, Nickler M, Steuer C, Bernasconi L, Huber A, Christ-Crain M, Henzen C, Hoess C, Thomann R, Zimmerli W, Mueller B, Schuetz P: **Gut, microbiota-dependent trimethylamine-N-oxide is associated with long-term all-cause mortality in patients with exacerbated chronic obstructive pulmonary disease.** *Nutrition* 2018, 45:135-141 e131. IF 3.7

BEREICH MEDIZIN

- 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.** *The Journal of clinical endocrinology and metabolism* 2018. IF 5.8
- Schuetz P, Bolliger R, Merker M, Christ-Crain M, Stolz D, Tamm M, Luyt CE, Wolff M, Schroeder S, Nobre V, Reinhart K, Branche A, Damas P, Nijsten M, Deliberato RO, Verduri A, Beghe B, Cao B, Shehabi Y, Jensen JS, Beishuizen A, de Jong E, Briel M, Welte T, Mueller B: **Procalcitonin-guided antibiotic therapy algorithms for different types of acute respiratory infections based on previous trials.** *Expert review of anti-infective therapy* 2018, 16(7):555-564. IF 3.1
- Schuetz P, Branche A, Mueller B: **Low procalcitonin, community acquired pneumonia, and antibiotic therapy – Authors' reply.** *The Lancet Infectious diseases* 2018, 18(5):497-498. IF 25.1
- Schuetz P, Wirz Y, Mueller B: **Procalcitonin Testing to Guide Antibiotic Therapy in Acute Upper and Lower Respiratory Tract Infections.** *Jama* 2018, 319(9):925-926. IF 47.7
- Schuetz P, Wirz Y, Mueller B: **Reassessment of a meta-analysis of procalcitonin-guided antibiotic therapy for lower respiratory tract infections – Authors' reply.** *The Lancet Infectious diseases* 2018, 18(2):141. IF 25.1
- Schuetz P, Wirz Y, Sager R, Christ-Crain M, Stolz D, Tamm M, Bouadma L, Luyt CE, Wolff M, Chastre J, Tubach F, Kristoffersen KB, Burkhardt O, Welte T, Schroeder S, Nobre V, Wei L, Bucher HC, Annane D, Reinhart K, Falsey AR, Branche A, Damas P, Nijsten M, de Lange DW, Deliberato RO, Oliveira CF, Maravic-Stojkovic V, Verduri A, Beghe B, Cao B, Shehabi Y, Jensen JS, Corti C, van Oers JAH, Beishuizen A, Girbes ARJ, de Jong E, Briel M, Mueller B: **Effect of procalcitonin-guided antibiotic treatment on mortality in acute respiratory infections: a patient level meta-analysis.** *The Lancet Infectious diseases* 2018, 18(1):95-107. IF 25.1
- Struja T, Eckart A, Kutz A, Huber A, Neyer P, Kraenzlin M, Mueller B, Meier C, Bernasconi L, Schuetz P: **Metabolomics for Prediction of Relapse in Graves' Disease: Observational Pilot Study.** *Front Endocrinol (Lausanne)* 2018, 9:623. IF 3.5
- Wirz Y, Meier MA, Bouadma L, Luyt CE, Wolff M, Chastre J, Tubach F, Schroeder S, Nobre V, Annane D, Reinhart K, Damas P, Nijsten M, Shajiei A, deLange DW, Deliberato RO, Oliveira CF, Shehabi Y, van Oers JAH, Beishuizen A, Girbes ARJ, de Jong E, Mueller B, Schuetz P: **Effect of procalcitonin-guided antibiotic treatment on clinical outcomes in intensive care unit patients with infection and sepsis patients: a patient-level meta-analysis of randomized trials.** *Critical care* 2018, 22(1):191. IF 5.4
- Zurauskaite G, Meier M, Voegeli A, Koch D, Haubitz S, Kutz A, Bernasconi L, Huber A, Bargetzi M, Mueller B, Schuetz P: **Biological pathways underlying the association of red cell distribution width and adverse clinical outcome: Results of a prospective cohort study.** *PLoS one* 2018, 13(1):e0191280. IF 2.8
- Zurfluh S, Baumgartner T, Meier MA, Ottiger M, Voegeli A, Bernasconi L, Neyer P, Mueller B, Schuetz P: **The role of metabolomic markers for patients with infectious diseases: implications for risk stratification and therapeutic modulation.** *Expert review of anti-infective therapy* 2018, 16(2):133-142. IF 3.5
- Zurfluh S, Nickler M, Ottiger M, Steuer C, Kutz A, Christ-Crain M, Zimmerli W, Thomann R, Hoess C, Henzen C, Bernasconi L, Huber A, Mueller B, Schuetz P: **Association of adrenal hormone metabolites and mortality over a 6-year follow-up in COPD patients with acute exacerbation.** *Clinical chemistry and laboratory medicine* 2018, 56(4):669-680. IF 3.6
- Zurfluh S, Nickler M, Ottiger M, Steuer C, Kutz A, Christ-Crain M, Zimmerli W, Thomann R, Hoess C, Henzen C, Bernasconi L, Huber A, Mueller B, Schuetz P, pro Hsg: **Dihydrotestosterone is a predictor for mortality in males with community-acquired pneumonia: results of a 6-year follow-up study.** *Respiratory research* 2018, 19(1):240. IF 3.8

Angiologie

- Walker UA, Jaeger VK, Bruppacher KM, Dobrota R, Arlettaz L, Banyai M, Beron J, Chizzolini C, Groechenig E, Mueller RB, Spertini F, Villiger PM, Distler O: **Prospective evaluation of the capillaroscopic skin ulcer risk index in systemic sclerosis patients in clinical practice: a longitudinal, multicentre study.** *Arthritis research & therapy* 2018, 20(1):239. IF 4.3t
- Groechenig E, Grumann T, Kieback A, Kucher N, Righini M: **Panta rhei.** *Schweiz Med Forum* 2018;18(0102):6-8

Dermatologie und Allergologie

- 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.** *Journal of the European Academy of Dermatology and Venereology : JEADV* 2018. IF 4.3

BEREICH MEDIZIN

Maul LV, Streit M, Grabbe J: **Ephedrine-induced maculopapular rash.** *Contact Dermatitis* 2018, 79(3):193-194. IF 4.3

Pereira MP, Steinke S, Zeidler C, Forner C, Riepe C, Augustin M, Bobko S, Dalgard F, Elberling J, Garcovich S, Gieler U, Goncalo M, Halvorsen JA, Leslie TA, Metz M, Reich A, Savk E, Schneider G, Serra-Baldrich E, Stander HF, Streit M, Wallengren J, Weller K, Wollenberg A, Bruland P, Soto-Rey I, Storck M, Dugas M, Weisshaar E, Szepletowski JC, Legat FJ, Stander S, members ETFPg: **European academy of dermatology and venereology European prurigo project: expert consensus on the definition, classification and terminology of chronic prurigo.** *Journal of the European Academy of Dermatology and Venereology : JEADV* 2018, 32(7):1059-1065. IF 4.3

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, Szepletowski JC, Wallengren J, Weisshaar E, Stander S, Pruritus ETF: **Position Statement: Linear prurigo is a subtype of chronic prurigo.** *Journal of the European Academy of Dermatology and Venereology : JEADV* 2018. IF 4.3

Steinke S, Zeidler C, Riepe C, Bruland P, Soto-Rey I, Storck M, Augustin M, Bobko S, Garcovich S, Legat FJ, Lvov A, Misery L, Osada N, Reich A, Savk E, Serra-Baldrich E, Streit M, Szepletowski JC, Weger W, Dugas M, Stander S: **Humanistic burden of chronic pruritus in patients with inflammatory dermatoses: Results of the European Academy of Dermatology and Venereology Network on Assessment of Severity and Burden of Pruritus (PruNet) cross-sectional trial.** *Journal of the American Academy of Dermatology* 2018, 79(3):457-463 e455. IF 6.3

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, Szepletowski JC, Yosipovitch G, Chen SC, Dugas M, Stander S: **Cross-European validation of the ItchyQoL in pruritic dermatoses.** *Journal of the European Academy of Dermatology and Venereology : JEADV* 2018. IF 4.3

Endokrinologie, Diabetologie und Metabolismus

Aeberhard C, Mayer C, Meyer S, Mueller SA, Schuetz P, Stanga Z, Giger R: **Effect of preoperative immunonutrition on postoperative short-term outcomes of patients with head and neck squamous cell carcinoma.** *Head & neck* 2018, 40(5):1057-1067. IF 2.5

Aubry E, Friedli N, Schuetz P, Stanga Z: **Refeeding syndrome in the frail elderly population: prevention, diagnosis and management.** *Clin Exp Gastroenterol* 2018, 11:255-264. IF 4.0

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.** *Clinical chemistry and laboratory medicine* 2018. IF 3.6

Baumgartner T, Zurauskaite G, Wirz Y, Meier M, Steuer C, Bernasconi L, Huber A, Christ-Crain M, Henzen C, Hoess C, Thomann R, Zimmerli W, Mueller B, Schuetz P: **Association of the Tyrosine/Nitrotyrosine pathway with death or ICU admission within 30 days for patients with community acquired pneumonia.** *BMC Infect Dis* 2018, 18(1):423. IF 2.6

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.** *Clinical endocrinology* 2018. IF 5.5

Bolliger R, Merker M, Schuetz P: **Use of antibiotics in the ambulance for sepsis patients: is earlier really better?** *Journal of thoracic disease* 2018, 10(3):1239-1241. IF 2.4

Bolliger R, Merker M, Wirz Y, Mueller B, Schuetz P: **Is Procalcitonin-Guided Antibiotic Therapy Working in Emergency Department Outpatients?** *Annals of emergency medicine* 2018, 72(2):226-228. IF 5.4

Conca A, Gabele A, Reutlinger B, Schuetz P, Kutz A, Haubitz S, Faessler L, Batschwaroff M, Schild U, Caldara Z, Regez K, Schirlo S, Vossler G, Kahles T, Nedeltchev K, Keller A, Huber A, De Geest S, Buergi U, Tobias P, Louis Simonet M, Mueller B, Schafer-Keller P: **Prediction of post-acute care demand in medical and neurological inpatients: diagnostic assessment of the post-acute discharge score – a prospective cohort study.** *BMC health services research* 2018, 18(1):111. IF 1.8

Ebrahimi F, Giaglis S, Hahn S, Blum CA, Baumgartner C, Kutz A, van Breda SV, Mueller B, Schuetz P, Christ-Crain M, Hasler P: **Markers of neutrophil extracellular traps predict adverse outcome in community-acquired pneumonia: secondary analysis of a randomised controlled trial.** *The European respiratory journal* 2018, 51(4). IF 12.2

Ebrahimi F, Urwyler SA, Straumann S, Doerpfeld S, Bernasconi L, Neyer P, Schuetz P, Mueller B, Donath MY, Christ-Crain M: **IL-1 Antagonism in Men With Metabolic Syndrome and Low Testosterone: A Randomized Clinical Trial.** *The Journal of clinical endocrinology and metabolism* 2018, 103(9):3466-3476. IF 5.5

BEREICH MEDIZIN

- Ebrahimi F, Wolffenbuttel 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 Randomized Controlled Trials.** *The European respiratory journal* 2018. IF 12.2
- Eckart A, Hausfater P, Amin D, Amin A, Haubitz S, Bernard M, Baumgartner A, Struja T, Kutz A, Christ-Crain M, Huber A, Mueller B, Schuetz P: **Hyponatremia and activation of vasopressin secretion are both independently associated with 30-day mortality: results of a multicenter, observational study.** *Journal of internal medicine* 2018. IF 6.1
- Friedli N, Stanga Z, Culkun A, Crook M, Laviano A, Sobotka L, Kressig RW, Kondrup J, Mueller B, Schuetz P: **Management and prevention of refeeding syndrome in medical inpatients: An evidence-based and consensus-supported algorithm.** *Nutrition* 2018, 47:13-20. IF 3.7
- Gomes F, Schuetz P, Bounoure L, Austin P, Ballesteros-Pomar M, Cederholm T, Fletcher J, Laviano A, Norman K, Poulia KA, Ravasco P, Schneider SM, Stanga Z, Weekes CE, Bischoff SC: **ESPEN guidelines on nutritional support for polymorbid internal medicine patients.** *Clinical nutrition* 2018, 37(1):336-353. IF 5.5
- Isenschmid C, Kalt J, Gamp M, Tondorf T, Becker C, Tisljar K, Locher S, Schuetz P, Marsch S, Hunziker S: **Routine blood markers from different biological pathways improve early risk stratification in cardiac arrest patients: Results from the prospective, observational COMMUNICATE study.** *Resuscitation* 2018, 130:138-145. IF 5.9
- Isenschmid C, Luescher T, Rasiah R, Kalt J, Tondorf T, Gamp M, Becker C, Tisljar 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* 2018. IF 5.9
- Kempf J, Schmitz A, Meier A, Delfs N, Mueller B, Fandino J, Schuetz P, Berkmann S: **Adenoma size and postoperative IGF-1 levels predict surgical outcomes in acromegaly patients: results of the Swiss Pituitary Registry (SwissPit).** *Swiss medical weekly* 2018, 148:w14653. IF 1.9
- Meier MA, Branche A, Neeser OL, Wirz Y, Haubitz S, Bouadma L, Wolff M, Luyt CE, Chastre J, Tubach F, Christ-Crain M, Corti C, Jensen JS, Deliberato RO, Kristoffersen KB, Damas P, Nobre V, Oliveira CF, Shehabi Y, Stolz D, Tamm M, Mueller B, Schuetz P: **Procalcitonin-guided antibiotic treatment in patients with positive blood cultures: A patient-level meta-analysis of randomized trials.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America* 2018. IF 9.1
- Merker M, Bolliger R, Schuetz P: **Procalcitonin-guided decision-making results in a significant reduction of antibiotic therapy and hospital stay in neonates with suspected early-onset sepsis.** *BMJ Evid Based Med* 2018, 23(4):154-155.
- Nigro N, Winzeler B, Suter-Widmer I, Schuetz P, Arici B, Bally M, Refardt J, Betz M, Gashi G, Urwyler SA, Burget L, Blum CA, Bock A, Huber A, Muller B, Christ-Crain M: **Copeptin levels and commonly used laboratory parameters in hospitalised patients with severe hypernatraemia – the «Co-MED study».** *Critical care* 2018, 22(1):33. IF 6.4
- Ottiger M, Nickler M, Steuer C, Bernasconi L, Huber A, Christ-Crain M, Henzen C, Hoess C, Thomann R, Zimmerli W, Mueller B, Schuetz P: **Gut, microbiota-dependent trimethylamine-N-oxide is associated with long-term all-cause mortality in patients with exacerbated chronic obstructive pulmonary disease.** *Nutrition* 2018, 45:135-141 e131. IF 3.7
- Schuetz P, Beardmore RE: **Antibiotic strategies in critical care: back to square one?** *The Lancet Infectious diseases* 2018, 18(4):360-361. IF 25.1
- Schuetz P, Bolliger R, Merker M, Christ-Crain M, Stolz D, Tamm M, Luyt CE, Wolff M, Schroeder S, Nobre V, Reinhart K, Branche A, Damas P, Nijsten M, Deliberato RO, Verduri A, Beghe B, Cao B, Shehabi Y, Jensen JS, Beishuizen A, de Jong E, Briel M, Welte T, Mueller B: **Procalcitonin-guided antibiotic therapy algorithms for different types of acute respiratory infections based on previous trials.** *Expert review of anti-infective therapy* 2018, 16(7):555-564. IF 3.5
- Schuetz P, Branche A, Mueller B: **Low procalcitonin, community acquired pneumonia, and antibiotic therapy - Authors' reply.** *The Lancet Infectious diseases* 2018, 18(5):497-498. IF 25.1
- Schuetz P, Falsey AR: **Procalcitonin in patients with fever: one approach does not fit all.** *Clin Microbiol Infect* 2018, 24(12):1229-1230. IF 5.4
- Schuetz P, Wirz Y, Mueller B: **Procalcitonin Testing to Guide Antibiotic Therapy in Acute Upper and Lower Respiratory Tract Infections.** *Jama* 2018, 319(9):925-926. IF 47.7
- Schuetz P, Wirz Y, Mueller B: **Reassessment of a meta-analysis of procalcitonin-guided antibiotic therapy for lower respiratory tract infections – Authors' reply.** *The Lancet Infectious diseases* 2018, 18(2):141. IF 25.1

BEREICH MEDIZIN

Schuetz P, Wirz Y, Sager R, Christ-Crain M, Stolz D, Tamm M, Bouadma L, Luyt CE, Wolff M, Chastre J, Tubach F, Kristoffersen KB, Burkhardt O, Welte T, Schroeder S, Nobre V, Wei L, Bucher HC, Annane D, Reinhart K, Falsey AR, Branche A, Damas P, Nijsten M, de Lange DW, Deliberato RO, Oliveira CF, Maravic-Stojkovic V, Verduri A, Beghe B, Cao B, Shehabi Y, Jensen JS, Corti C, van Oers JAH, Beishuizen A, Girbes ARJ, de Jong E, Briel M, Mueller B: **Effect of procalcitonin-guided antibiotic treatment on mortality in acute respiratory infections: a patient level meta-analysis.** *The Lancet Infectious diseases* 2018, 18(1):95-107. IF 25.1

Schuetz P, Zurfluh S, Stanga Z: **Mortality due to refeeding syndrome? You only find what you look for, and you only look for what you know.** *European journal of clinical nutrition* 2018, 72(2):307-308. IF 3.1

Struja T, Eckart A, Kutz A, Huber A, Neyer P, Kraenzlin M, Mueller B, Meier C, Bernasconi L, Schuetz P: **Metabolomics for Prediction of Relapse in Graves' Disease: Observational Pilot Study.** *Front Endocrinol (Lausanne)* 2018, 9:623. IF 3.5

Wirz Y, Meier MA, Bouadma L, Luyt CE, Wolff M, Chastre J, Tubach F, Schroeder S, Nobre V, Annane D, Reinhart K, Damas P, Nijsten M, Shajiei A, deLange DW, Deliberato RO, Oliveira CF, Shehabi Y, van Oers JAH, Beishuizen A, Girbes ARJ, de Jong E, Mueller B, Schuetz P: **Effect of procalcitonin-guided antibiotic treatment on clinical outcomes in intensive care unit patients with infection and sepsis patients: a patient-level meta-analysis of randomized trials.** *Critical care* 2018, 22(1):191. IF 6.4

Zurauskaite G, Meier M, Voegeli A, Koch D, Haubitz S, Kutz A, Bernasconi L, Huber A, Bargetzi M, Mueller B, Schuetz P: **Biological pathways underlying the association of red cell distribution width and adverse clinical outcome: Results of a prospective cohort study.** *PLoS one* 2018, 13(1):e0191280. IF 2.8

Zurfluh S, Baumgartner T, Meier MA, Ottiger M, Voegeli A, Bernasconi L, Neyer P, Mueller B, Schuetz P: **The role of metabolomic markers for patients with infectious diseases: implications for risk stratification and therapeutic modulation.** *Expert review of anti-infective therapy* 2018, 16(2):133-142. IF 3.5

Zurfluh S, Nickler M, Ottiger M, Steuer C, Kutz A, Christ-Crain M, Zimmerli W, Thomann R, Hoess C, Henzen C, Bernasconi L, Huber A, Mueller B, Schuetz P, pro Hsg: **Dihydrotestosterone is a predictor for mortality in males with community-acquired pneumonia: results of a 6-year follow-up study.** *Respiratory research* 2018, 19(1):240. IF 3.8

Zurfluh S, Nickler M, Ottiger M, Steuer C, Kutz A, Christ-Crain M, Zimmerli W, Thomann R, Hoess C, Henzen C, Bernasconi L, Huber A, Mueller B, Schuetz P: **Association of adrenal hormone metabolites and mortality over a 6-year follow-up in COPD patients with acute exacerbation.** *Clinical chemistry and laboratory medicine* 2018, 56(4):669-680. IF 3.6

Hämatologie und Transfusionsmedizin / Onkologie

Bargetzi M, Baumann R, Cogliatti S, Dietrich PY, Duchosal M, Goede J, Hitz F, Konermann C, Lohri A, Mey U, Novak U, Papachristofilou A, Stenner F, Taverna C, Zander T, Renner C: **Diagnosis and treatment of follicular lymphoma: an update.** *Swiss medical weekly* 2018, 148:w14635. IF 1.9

Drexler B, Passweg JR, Tzankov A, Bigler M, Theocharides APA, 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 2 study SAKK 33/14.** *Haematologica* 2018. IF 9.1

Driessen C, Muller R, Novak U, Cantoni N, Betticher D, Mach N, Rufer A, Mey U, Samaras P, Ribi K, Besse L, Besse A, Berset C, Rondeau S, Hawle H, Hitz F, Pabst T, Zander T: **Promising activity of nelfinavir-bortezomib-dexamethasone in proteasome inhibitor-refractory multiple myeloma.** *Blood* 2018, 132(19):2097-2100. IF 15.1

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 ≥ 65 years of age undergoing high-dose therapy and autologous stem cell transplantation: a multicentric observational registry study.** *Bone marrow transplantation* 2018. IF 4.5

Hatalova A, Schwarz J, Gotic M, Penka M, Hrubisko M, Kusec R, Egyed M, Griesshammer M, Podolak-Dawidziak M, Hellmann A, Klymenko S, Niculescu-Mizil E, Petrides PE, Grosicki S, Sever M, Cantoni N, Thiele J, Wolf D, Gisslinger H: **Recommendations for the diagnosis and treatment of patients with polycythaemia vera.** *European journal of haematology* 2018. IF 2.6

BEREICH MEDIZIN

- 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: **PAX5 P80R mutation identifies a novel subtype of B-cell precursor acute lymphoblastic leukemia with favorable outcome.** *Blood* 2018. IF 15.1
- Passweg JR, Baldomero H, Ansari M, Baerlocher GM, Bargetzi M, Chalandon Y, Duchosal MA, Gerull S, Gungor T, Halter JP, Heim D, Hess U, Leibundgut K, Masouridi-Levrat S, Muller A, Nair G, Pabst T, Renner C, Schmidt A, Stussi G, Nicoloso de Faveri G, Schanz U, For The Swiss Blood Stem Cell Transplantation Group S: **Haematopoietic cell transplantation in Switzerland, changes and results over 20 years: a report from the Swiss Blood Stem Cell Transplantation Working Group for Blood and Marrow Transplantation registry 1997-2016.** *Swiss medical weekly* 2018, 148:w14589. IF 1.9
- Rothermundt C, Thurneysen C, Cathomas R, Muller B, Mingrone W, Hirschi-Blickenstorfer A, Wehrhahn T, Ruf C, Rothschild S, Seifert B, Terbuch A, Grassmugg T, Woelky R, Fankhauser C, Kunit T, Fischer N, Inauen R, Kamradt J, Ziegler K, Haynes A, Juni P, Gillessen S: **Baseline characteristics and patterns of care in testicular cancer patients: first data from the Swiss Austrian German Testicular Cancer Cohort Study (SAG TCCS).** *Swiss medical weekly* 2018, 148:w14640. IF 1.9
- Samaras P, Rutti MF, Seifert B, Bachmann H, Schanz U, Eisenring M, Renner C, Susanne Muller AM, Schmidt A, Mischo A, Fuchs I, Bargetzi M, Manz MG, Stupp R, Petrusch U, Stenner-Liewen F: **Mobilization of Hematopoietic Progenitor Cells with Standard- or Reduced-Dose Filgrastim after Vinorelbine in Multiple Myeloma Patients: A Randomized Prospective Single-Center Phase II Study.** *Biology of blood and marrow transplantation : journal of the American Society for Blood and Marrow Transplantation* 2018, 24(4):694-699. IF 4.5
- Sarinayova S, Heizmann M: **Direkte orale Antikoagulanzen bei Krebspatienten: Sind wir so weit?** *Praxis* 2018, 107(3):145-151.
- Schnegg-Kaufmann A, Feller A, Baldomero H, Rovo A, Manz MG, Gregor M, Efthymiou A, Bargetzi M, Hess U, Spertini O, Chalandon Y, Passweg JR, Stussi G, Arndt V, Bonadies N, Group NW: **Improvement of relative survival in elderly patients with acute myeloid leukaemia emerging from population-based cancer registries in Switzerland between 2001 and 2013.** *Cancer epidemiology* 2018, 52:55-62. IF 2.9
- 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.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology* 2018;JCO1801314. IF 26.3
- Sigle JP, Mihm B, Suna R, Bargetzi M: **Extending shelf life of dithiothreitol-treated panel RBCs to 28 days.** *Vox sanguinis* 2018, 113(4):397-399. IF 2.1
- Vollmer K, Mamot C: **Nachsorge beim diffusen grosszelligen B-Zell-Lymphom - Evidenz und Empfehlung.** *Praxis* 2018, 107(1):31-34.
- Wehrhahn T, Bargetzi M, Buitrago-Tellez C, Cantelmi G: **Toothache as the initial symptom of plasma cell myeloma.** *European journal of dentistry* 2018, 12(3):443-445.
- Zurauskaitė G, Meier M, Voegeli A, Koch D, Haubitz S, Kutz A, Bernasconi L, Huber A, Bargetzi M, Mueller B, Schuetz P: **Biological pathways underlying the association of red cell distribution width and adverse clinical outcome: Results of a prospective cohort study.** *PLoS one* 2018, 13(1):e0191280. IF 2.8

Infektiologie und Spitalhygiene

- Bouatou Y, Gayet Ageron A, Bernasconi E, Battagay M, Hoffmann M, Staehelin C, Merz L, Kovari H, Fux C, de Seigneux S, Calmy A, Swiss HIVCS: **Lipodystrophy Increases the Risk of CKD Development in HIV-Positive Patients in Switzerland: The LIPOKID Study.** *Kidney Int Rep* 2018, 3(5):1089-1099. IF 0.4
- 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.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America* 2018. IF 9.1

BEREICH MEDIZIN

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.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America* 2018. IF 9.1

Damonti L, Erard V, Garbino J, Schrenzel J, Zimmerli S, Muhlethaler K, Imhof A, Zbinden R, Fehr J, Boggian K, Bruderer T, Fluckiger U, Frei R, Orasch C, Conen A, Khanna N, Bregenzer T, Bille J, Lamoth F, Marchetti O, Bochud PY, Fungal Infection Network of Switzerland: **Correction to: Catheter retention as a consequence rather than a cause of unfavorable outcome in candidemia.** *Intensive care medicine* 2018, 44(3):405-407. IF 15.0

Kritikos A, Neofytos D, Khanna N, Schreiber PW, Boggian K, Bille J, Schrenzel J, Muhlethaler K, Zbinden R, Bruderer T, Goldenberger D, Pfyffer G, Conen A, Van Delden C, Zimmerli S, Sanglard D, Bachmann D, Marchetti O, Lamoth F, Fungal Infection Network of S: **Accuracy of Sensititre YeastOne echinocandins epidemiological cut-off values for identification of FKS mutant *Candida albicans* and *Candida glabrata*: a ten year national survey of the Fungal Infection Network of Switzerland (FUNGINOS).** *Clin Microbiol Infect* 2018, 24(11):1214 e1211-1214 e1214. IF 5.4

Mujagic E, Marti WR, Coslovsky M, Soysal SD, Mechera R, von Strauss M, Zeindler J, Saxer F, Mueller A, Fux CA, Kindler C, Gurke L, Weber WP: **Associations of Hospital Length of Stay with Surgical Site Infections.** *World journal of surgery* 2018, 42(12):3888-3896. IF 2.8

Orasch C, Mertz D, Garbino J, van Delden C, Emonet S, Schrenzel J, Zimmerli S, Damonti L, Muhlethaler K, Imhof A, Ruef C, Fehr J, Zbinden R, Boggian K, Bruderer T, Fluckiger U, Conen A, Khanna N, Frei R, Bregenzer T, Lamoth F, Erard V, Bochud PY, Calandra T, Bille J, Marchetti O, Fungal Infection Network of S: **Fluconazole non-susceptible breakthrough candidemia after prolonged low-dose prophylaxis: a prospective FUNGINOS study.** *J Infect* 2018, 76(5):489-495. IF 4.6

Kardiologie (Herzzentrum Aargau)

Pilgrim T, Piccolo R, Heg D, Roffi M, Tuller D, Muller O, Moarof I, Siontis GCM, Cook S, Weilenmann D, Kaiser C, Cuculi F, Hunziker L, Eberli FR, Juni P, Windecker S: **Ulthin-strut, biodegradable-polymer, sirolimus-eluting stents versus thin-strut, durable-polymer, everolimus-eluting stents for percutaneous coronary revascularisation: 5-year outcomes of the BIOSCIENCE randomised trial.** *Lancet* 2018, 392(10149):737-746. IF 53.3

Nephrologie, Dialyse und Transplantation

Arrigo M, Vodovar N, Von Moos S, Masson E, Segerer S, Cippa PE, Mebazaa A: **High accuracy of proximity extension assay technology for the quantification of plasma brain natriuretic peptide.** *J Clin Lab Anal* 2018, 32(8):e22574. IF 1.3

Arrigo M, Von Moos S, Gerritsen K, Sadoune M, Tangvoraphonkchai K, Davenport A, Mebazaa A, Segerer S, Cippa PE: **Soluble CD146 and B-type natriuretic peptide dissect overhydration into functional components of prognostic relevance in haemodialysis patients.** *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association – European Renal Association* 2018, 33(11):2035-2042. IF 4.6

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 7.5

Dhayat NA, Faller N, Bonny O, Mohebbi N, Ritter A, Pellegrini L, Bedino G, Schonholzer C, Venzin RM, Husler C, Koneth I, Del Giorno R, Gabutti L, Amico P, Mayr M, Odermatt U, Buchkremer F, Hernandez T, Stoermann-Chopard C, Teta D, Rintelen F, Roumet M, Irincheeva I, Trelle S, Tamo L, Roth B, Vogt B, Fuster DG: **Efficacy of standard and low dose hydrochlorothiazide in the recurrence prevention of calcium nephrolithiasis (NOSTONE trial): protocol for a randomized double-blind placebo-controlled trial.** *BMC nephrology* 2018, 19(1):349. IF 2.4

Gerber JS, Berney-Meyer L, Segerer S: **Clostridium Ramosum-A Rare Cause of Peritoneal Dialysis-Related Peritonitis.** *Peritoneal dialysis international : journal of the International Society for Peritoneal Dialysis* 2018, 38(3):231-232. IF 1.6

Nigro N, Winzler B, Suter-Widmer I, Schuetz P, Arici B, Bally M, Refardt J, Betz M, Gashi G, Urwyler SA, Burget L, Blum CA, Bock A, Huber A, Muller B, Christ-Crain M: **Copeptin levels and commonly used laboratory parameters in hospitalised patients with severe hyponatraemia – the «Co-MED study».** *Critical care* 2018, 22(1):33. IF 6.4

BEREICH MEDIZIN

Seeger H, Lindenmeyer MT, Cohen CD, Jaeckel C, Nelson PJ, Chen J, Edenhofer I, Kozakowski N, Regele H, Boehmig G, Brandt S, Wuethrich RP, Heikenwalder M, Fehr T, Segerer S: **Lymphotoxin expression in human and murine renal allografts.** *PloS one* 2018, 13(1):e0189396. IF 2.8

Seleznik GM, Reding T, Peter L, Gupta A, Steiner SG, Sonda S, Verbeke CS, Dejardin E, Khatkov I, Segerer S, Heikenwalder M, Graf R: **Development of autoimmune pancreatitis is independent of CDKN1A/p21-mediated pancreatic inflammation.** *Gut* 2018, 67(9):1663-1673. IF 17.0

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* 2018. IF 3.8

Sievi NA, Brack T, Brutsche MH, Frey M, Irani S, Leuppi JD, Thurnheer R, Kohler M, Clarenbach CF: **Physical activity declines in COPD while exercise capacity remains stable: A longitudinal study over 5 years.** *Respiratory medicine* 2018, 141:1-6. IF 3.2

Klinik für Rheumatologie

Ebrahimi F, Giaglis S, Hahn S, Blum CA, Baumgartner C, Kutz A, van Breda SV, Mueller B, Schuetz P, Christ-Crain M, Hasler P: **Markers of neutrophil extracellular traps predict adverse outcome in community-acquired pneumonia: secondary analysis of a randomised controlled trial.** *The European respiratory journal* 2018, 51(4). IF 12.2

Veraar C, Hasler P, Schirmer M: **A Multidisciplinary Delphi Consensus-Based Checklist to Define Clinical Documentation Tools for Both Routine and Research Purposes.** *Health Serv Res Manag Epidemiol* 2018, 5:2333392817754161. IF 1.8

Vokalova L, van Breda SV, Ye XL, Huhn EA, Than NG, Hasler P, Lapaire O, Hoesli I, Rossi SW, Hahn S: **Excessive Neutrophil Activity in Gestational Diabetes Mellitus: Could It Contribute to the Development of Preeclampsia?** *Front Endocrinol (Lausanne)* 2018, 9:542. IF 3.5

Klinik für Neurologie

Bègue I, Massa H, Steffen H, Gschwind M: **Needle in a haystack – A case of functional eye convergence insufficiency.** *Swiss Arch Neurol Psychiatr Psychother.* 2018;169(06):185-189.

Conca A, Gabele A, Reutlinger B, Schuetz P, Kutz A, Haubitz S, Faessler L, Batschwaroff M, Schild U, Caldara Z, Regez K, Schirlo S, Vossler G, Kahles T, Nedeltchev K, Keller A, Huber A, De Geest S, Buergi U, Tobias P, Louis Simonet M, Mueller B, Schafer-Keller P: **Prediction of post-acute care demand in medical and neurological inpatients: diagnostic assessment of the post-acute discharge score – a prospective cohort study.** *BMC health services research* 2018, 18(1):111. IF 1.8

Diem L, Nedeltchev K, Kahles T, Achtnichts L, Findling O: **Long-term evaluation of NEDA-3 status in relapsing-remitting multiple sclerosis patients after switching from natalizumab to fingolimod.** *Ther Adv Neurol Disord* 2018, 11:1756286418791103. IF 4.8

Findling O, Rust H, Yaldizli O, Timmermans DPH, Scheltinga A, Allum JHJ: **Balance Changes in Patients With Relapsing-Remitting Multiple Sclerosis: A Pilot Study Comparing the Dynamics of the Relapse and Remitting Phases.** *Frontiers in neurology* 2018, 9:686. IF 3.5

Findling O, van der Logt R, Nedeltchev K, Achtnichts L, Allum JHJ: **A comparison of balance control during stance and gait in patients with inflammatory and non-inflammatory polyneuropathy.** *PloS one* 2018, 13(2):e0191957. IF 2.8

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* 2018. IF 3.5

Gruber P, Garcia-Esperon C, Berberat J, Kahles T, Hlavica M, Anon J, Diepers M, Nedeltchev K, Remonda L: **Neuro Elutax SV drug-eluting balloon versus Wingspan stent system in symptomatic intracranial high-grade stenosis: a single-center experience.** *J Neurointerv Surg* 2018, 10(12):e32. IF 3.5

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* 2018:1591019918808777. IF 0.7

BEREICH MEDIZIN

Gruber P, Zeller S, Garcia-Esperon C, Berberat J, Anon J, Diepers M, Nedelchev K, Flottmann F, Fiehler J, Remonda L, Kahles T: **Embolus Retriever with Interlinked Cages versus other stent retrievers in acute ischemic stroke: an observational comparative study.** *J Neurointerv Surg* 2018, 10(12):e31. IF 3.5

Gschwind M, Seeck M: **Interiktale Quellenlokalisation und Vorteile des High-density-EEG.** *Zeitschrift für Epileptologie* 2018, 31(3):185-191. IF 0.1

Gschwind M, van Mierlo P, Ruegg S: **Little effort with big effect – implementing the new IFCN 2017 recommendations on standard EEGs.** *Clin Neurophysiol* 2018, 129(11):2433-2434. IF 3.6

Kamm CP, Muehl S, Mircsof D, Muller S, Czaplinski A, Achtnichts L, Stellmes P, Di Virgilio G: **Role of Family Planning in Women With Multiple Sclerosis in Switzerland: Results of the Women With Multiple Sclerosis Patient Survey.** *Frontiers in neurology* 2018, 9:821. IF 3.5

Kappos L, Bar-Or A, Cree BAC, Fox RJ, Giovannoni G, Gold R, Vermersch P, Arnold DL, Arnould S, Scherz T, Wolf C, Wallstrom E, Dahlke F: **Siponimod versus placebo in secondary progressive multiple sclerosis (EXPAND): a double-blind, randomised, phase 3 study.** *Lancet* 2018, 391(10127):1263-1273. IF 53.2

Kasner SE, Swaminathan B, Lavados P, Sharma M, Muir K, Veltkamp R, Ameriso SF, Endres M, Lutsep H, Messe SR, Spence JD, Nedelchev K, Perera K, Santo G, Olavarria V, Lindgren A, Bangdiwala S, Shoamanesh A, Berkowitz SD, Mundl H, Connolly SJ, Hart RG, Investigators NE: **Rivaroxaban or aspirin for patent foramen ovale and embolic stroke of undetermined source: a prespecified subgroup analysis from the NAVIGATE ESUS trial.** *Lancet Neurol* 2018, 17(12):1053-1060. IF 27.1

Lamartine SMM, Lascano AM, Meunier Carus Vincent N, Seebach JD, Lalive PH, Gschwind M: **AQP4 antibody-positive NMO spectrum disorder associated with Takayasu arteritis.** *Journal of the neurological sciences* 2019, 396:130-132. IF 2.4

Schegk E, Beiser I, Wicki A, Achtnichts L, Bertschi M: **Slowly progressive anti-Ca/ARHGAP26 autoantibody-associated cerebellar ataxia over 27 years without immunosuppressive treatment.** *Mov Disord Vol. 33, Suppl. 2, P649* IF 8.3

Scheidegger O, Leupold D, Sauter R, Findling O, Rosler KM, Hundsberger T: **36-Months follow-up assessment after cessation and resuming of enzyme replacement therapy in late onset Pompe disease: data from the Swiss Pompe Registry.** *Journal of neurology* 2018, 265(12):2783-2788. IF 3.8

Zecca C, Roth S, Findling O, Perriard G, Bachmann V, Pless ML, Baumann A, Kamm CP, Lalive PH, Czaplinski A: **Real-life long-term effectiveness of fingolimod in Swiss patients with relapsing-remitting multiple sclerosis.** *European journal of neurology* 2018, 25(5):762-767. IF 4.6

BEREICH CHIRURGIE

Universitäres Zentrum für Gefässchirurgie Aarau/Basel

Mujagic E, Marti WR, Coslovsky M, Zeindler J, Staubli S, Marti R, Mechera R, Soysal SD, Gurke L, Weber WP: **The role of preoperative blood parameters to predict the risk of surgical site infection.** *American journal of surgery* 2018, 215(4):651-657. IF 2.1

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* 2018. IF 3.8

Traumatologie

Born K, Amsler F, Gross T: **Prospective evaluation of the Quality of Life after Brain Injury (QOLIBRI) score: minor differences in patients with major versus no or mild traumatic brain injury at one-year follow up.** *Health Qual Life Outcomes* 2018, 16(1):136. IF 2.3

Braken P, Amsler F, Gross T: **Simple modification of trauma mechanism alarm criteria published for the Trauma-Network DGU((R)) may significantly improve overtriage – a cross sectional study.** *Scand J Trauma Resusc Emerg Med* 2018, 26(1):32. IF 2.3

BEREICH CHIRURGIE

Bundi M, Meier L, Amsler F, Gross T: **[Impact of weather, time of day and season on the admission and outcome of major trauma patients]**. *Der Unfallchirurg* 2018, 121(1):10-19. IF 0.7

Candrian G, Muller A, Dall'Acqua P, Kompatsiari K, Baschera GM, Mica L, Simmen HP, Glaab R, Fandino J, Schwendinger M, Meier C, Ulbrich EJ, Johannes S: **Longitudinal study of a NoGo-P3 event-related potential component following mild traumatic brain injury in adults**. *Annals of physical and rehabilitation medicine* 2018, 61(1):18-26. IF 3.4

Gross T, Amsler F: **One-year outcome following brain injury: a comparison of younger versus elderly major trauma patients**. *Archives of orthopaedic and trauma surgery* 2018, 138(10):1375-1387. IF 2.0

Gross T, Braken P, Amsler F: **Trauma center need: the American College of Surgeons' definition in contrast to Swiss highly specialized medicine regulations-a Swiss trauma center perspective**. *European journal of trauma and emergency surgery : official publication of the European Trauma Society* 2018. IF 1.7

Gross T, Morell S, Amsler F: **Longer-term quality of life following major trauma: age only significantly affects outcome after the age of 80 years**. *Clin Interv Aging* 2018, 13:773-785. IF 2.5

Gross T: **[Patient- vs Physician-Reported Implementation of and Compliance to Anti-Osteoporotic Medication One Year after Sustained Fragility Fracture]**. *Praxis* 2018, 107(11):573-584.

Morell S, Gross T: **Körperliches Training zur Vorbeugung oder Behandlung der Osteoporose**. *Schweiz Med Forum* 2018; 18(05):99-104

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**. *American journal of surgery* 2019, 217(1):17-23. IF 2.1

Viszeralchirurgie

Campa D, Pastore M, Capurso G, Hackert T, Di Leo M, Izbicki JR, Khaw KT, Gioffreda D, Kupcinskas J, Pasquali C, Macinga P, Kaaks R, Stigliano S, Peeters PH, Key TJ, Talar-Wojnarowska R, Vodicka P, Valente R, Vashist YK, Salvia R, Papaconstantinou I, Shimizu Y, Valsuani C, Zambon CF, Gazouli M, Valantiene I, Niesen W, Mohelnikova-Duchonova B, Hara K, Soucek P, Malecka-Panas E, Bueno-de-Mesquita HBA, Johnson T, Brenner H, Tavano F, Fogar P, Ito H, Sperti C, Butterbach K, Latiano A, Andriulli A, Cavestro GM, Busch ORC, Dijk F, Greenhalf W, Matsuo K, Lombardo C, Strobel O, Konig AK, Cuk K, Strothmann H, Katzke V, Cantore M, Mambri A, Oliverius M, Pezzilli R, Landi S, Canzian F: **Do pancreatic cancer and chronic pancreatitis share the same genetic risk factors? A PANcreatic Disease Research (PANDORA) consortium investigation**. *International journal of cancer* 2018, 142(2):290-296. IF 7.4

Lapshyn H, Bolm L, Nitschke M, Luebke AM, Izbicki JR, Vashist YK, Keck T, Wellner UF: **Kidney Transplantation after Extended Multivisceral Resection for Pancreatic Ductal Adenocarcinoma**. *Case Rep Transplant* 2018, 2018:3757382.

von Strauss Und Torney M, Aghlmandi S, Zeindler J, Nowakowski D, Nebiker CA, Kettelhack C, Rosenthal R, Drosler RA, Soysal SD, Hoffmann H, Mechera R: **High-resolution standardization reduces delay due to workflow disruptions in laparoscopic cholecystectomy**. *Surg Endosc* 2018, 32(12):4763-4771. IF 3.1

Nebiker CA, Staubli S, Schafer J, Bingisser R, Christ-Grain M, Dell-Kuster S, Mueller C, Scamardi K, Viehl CT, Kollet D, von Holzen U, Oertli D, Rosenthal R: **Cortisol Outperforms Novel Cardiovascular, Inflammatory, and Neurohumoral Biomarkers in the Prediction of Outcome in Acute Pancreatitis**. *Pancreas* 2018, 47(1):55-64 IF 2.9

Augenklinik

Boye D, Montali M, Miller NR, Pircher A, Gruber P, Killer HE, Remonda L, Berberat J: **Flow dynamics of cerebrospinal fluid between the intracranial cavity and the subarachnoid space of the optic nerve measured with a diffusion magnetic resonance imaging sequence in patients with normal tension glaucoma**. *Clinical & experimental ophthalmology* 2018, 46(5):511-518. IF 3.2

Danieli L, Montali M, Remonda L, Killer HE, Colosimo C, Cianfoni A: **Clinically Directed Neuroimaging of Ophthalmoplegia**. *Clinical neuroradiology* 2018, 28(1):3-16. IF 2.8

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* 2018. IF 4.0

Fleischman D, Killer HE: **Measurement and Associations of the Optic Nerve Subarachnoid Space in Normal Tension Glaucoma and Primary Open-Angle Glaucoma**. *American journal of ophthalmology* 2018, 190:198-199. IF 4.8

BEREICH CHIRURGIE

Killer HE, Hou R, Wostyn P, Meyer P, Pircher A: **Pressure and velocity in intraocular and subarachnoid space fluid chambers: an inseparable couple.** *Eye* 2018. IF 2.5

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* 2018. IF 3.1

Pircher A, Montali M, Pircher J, Berberat J, Remonda L, Killer HE: **Periopic Cerebrospinal Fluid Dynamics in Idiopathic Intracranial Hypertension.** *Frontiers in neurology* 2018, 9:506. IF 3.5

Pircher A, Montali M, Wostyn P, Pircher J, Berberat J, Remonda L, Killer HE: **Impaired cerebrospinal fluid dynamics along the entire optic nerve in normal-tension glaucoma.** *Acta ophthalmologica* 2018, 96(5):e562-e569. IF 3.3

Plattner KD, Tschopp M, Todorova MG: **Skin Ulceration of Eyelids in Atopic Dermatitis.** *Klinische Monatsblätter für Augenheilkunde* 2018, 235(4):445-447. IF 0.9

Trachsler S, Baston AE, Menke MN: **Intra- and interdevice deviation of optical coherence tomography angiography.** *Klinische Monatsblätter für Augenheilkunde* 2018 IF 0.9

Tschopp M, Krueger J, Conedera FM, Todorova MG, Hasler PW, Tappeiner C: **A Rare Case of Postoperative Iris Pigment Epithelium Detachment.** *Klinische Monatsblätter für Augenheilkunde* 2018. IF 0.9

Wostyn P, De Groot V, Van Dam D, Audenaert K, De Deyn PP, Killer HE: **Letter to the Editor. Low ICP and normal tension glaucoma: optic nerve damage due to barotraumatic factors, failure of CSF dynamics, or both?** *Journal of neurosurgery* 2018, 129(4):1100-1103. IF 4.1

Wostyn P, De Groot V, Van Dam D, Audenaert K, De Deyn PP, Killer HE: **The First Histologic Evidence of a Paravascular Pathway Within the Optic Nerve.** *Investigative ophthalmology & visual science* 2018, 59(5):1717. IF 3.4

Klinik für Hand-, Plastische und Chirurgie der peripheren Nerven

Greminger M, Pasternak I, Hug U: **The hand injury caused by cutting avocado in 18 patients.** *The Journal of hand surgery, European volume* 2018, 43(4):447-448. IF 2.6

Klar AS, Michalak-Micka K, Biedermann T, Simmen-Meuli C, Reichmann E, Meuli M: **Characterization of M1 and M2 polarization of macrophages in vascularized human dermo-epidermal skin substitutes in vivo.** *Pediatric surgery international* 2018, 34(2):129-135. IF 1.5

Klar AS, Michalak-Micka K, Biedermann T, Simmen-Meuli C, Reichmann E, Meuli M: **Characterization of M1 and M2 polarization of macrophages in vascularized human dermo-epidermal skin substitutes in vivo.** *Pediatric surgery international* 2018, 34(2):129-135. IF 1.4

Koelbl T, Bernhard S, Egger B, Meuli-Simmen C, Ly T: **Fulminant wound infection with Clostridium perfringens and Bacillus cereus in a healthy five year old boy.** *Journal of Pediatric Surgery Case Reports, Volume 38* (2018), Pages 64-65 IF 0.1

Mauler F, Beaulieu JY: **Morphological Associations between the Distal Radioulnar Joint and the Lunate.** *J Wrist Surg* 2018, 7(2):148-155.

Meuli M, Meuli-Simmen C, Mazzone L, Tharakan SJ, Zimmermann R, Ochsenbein N, Moehrlen U: **In utero Plastic Surgery in Zurich: Successful Use of Distally Pedicled Random Pattern Transposition Flaps for Definitive Skin Closure during Open Fetal Spina Bifida Repair.** *Fetal diagnosis and therapy* 2018, 44(3):173-178.

Klinik für HNO-Krankheiten, Hals- und Gesichtschirurgie

Müller M: **Tumor der Nasenhaupthöhle und mittleren Schädelgrube.** *Laryngo-Rhino-Otol* 2018, 97(11):791-792. IF 0.9

Speth MM, Gaudin RA, Hoehle LP, Phillips KM, Caradonna DS, Gray ST, Sedaghat AR: **Reciprocal Predictive Accuracy of Sinonasal Symptom Severity, Nasal Endoscopy, and Frequency of Past Chronic Rhinosinusitis Exacerbations.** *Otolaryngol Head Neck Surg* 2018, 159(4):766-773. IF 2.4

Speth MM, Hoehle LP, Phillips KM, Caradonna DS, Gray ST, Sedaghat AR: **Changes in chronic rhinosinusitis symptoms differentially associate with improvement in general health-related quality of life.** *Annals of allergy, asthma & immunology : official publication of the American College of Allergy, Asthma, & Immunology* 2018, 121(2):195-199. IF 3.2

Speth MM, Hoehle LP, Phillips KM, Caradonna DS, Gray ST, Sedaghat AR: **Treatment history and association between allergic rhinitis symptoms and quality of life.** *Irish journal of medical science* 2018. IF 1.0

BEREICH CHIRURGIE

Weiss A, Kuonen R, Brockmeier H, Grotzer M, Candreia C, Maire R, Senn P, Stieger C, Rosenfeld J, Veraguth D, Kompis M, Scheinemann K, Kuehni CE, Swiss Pediatric Oncology G: **Audiological monitoring in Swiss childhood cancer patients.** *Pediatric blood & cancer* 2018, 65(3). IF 2.6

Klinik für Kinderchirurgie

Kessler U, Hau EM, Kordasz M, Haefeli S, Tsai C, Klimek P, Cholewa D, Nelle M, Pavlovic M, Berger S: **Congenital Heart Disease Increases Mortality in Neonates With Necrotizing Enterocolitis.** *Frontiers in pediatrics* 2018, 6:312. IF 2.3

Vuille-dit-Bille RN, Leu S, R. Delcont M, Ulf Kessler, Zeino M, Klimek P: **Urethral Duplications in Children – A Case Series.** *Clin Surg.* 2018; 3: 2099. IF 1.8

Klinik für Mund-, Kiefer- und Gesichtschirurgie

Abazi S, Harnik B, Wiesli MG, Leiggenger CS, Augello M: **Uncommon infection of an Epidermoid Cyst in the face with *Peptoniphilus harei* – a systematic review of the literature regarding treatment strategy.** *Austin Journal of Surgery*, 5 (9): id1155, 2018 IF 3.0

Augello M, Baetscher C, Segesser M, Zeilhofer HF, Cattin P, Juergens P: **Performing partial mandibular resection, fibula free flap reconstruction and midfacial osteotomies with a cold ablation and robot-guided Er:YAG laser osteotome (CARLO((R))) – A study on applicability and effectiveness in human cadavers.** *Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery* 2018, 46(10):1850-1855. IF 1.9

Augello M, Deibel W, Nuss K, Cattin P, Jurgens P: **Comparative microstructural analysis of bone osteotomies after cutting by computer-assisted robot-guided laser osteotome and piezoelectric osteotome: an in vivo animal study.** *Lasers in medical science* 2018, 33(7):1471-1478. IF 1.9

Rabuffetti A, Augello M, Husner A, Ghazal G, Leiggenger CS: **An uncommon cause for a non-healing cutaneous fistula in the parotid gland area – A case report.** *Ann Med Surg (Lond)* 2018, 33:36-39. IF 0.9

Roehling S, Schlegel KA, Woelfler H, Gahlert M: **Performance and outcome of zirconia dental implants in clinical studies: A meta-analysis.** *Clinical oral implants research* 2018, 29 Suppl 16:135-153. IF 4.3

Klink für Neurochirurgie und Hirntumorzentrum

Barth M, Weiss C, Bouma GJ, Bostelmann R, Kursumovic A, Fandino J, Thome C: **Endplate changes after lumbar discectomy with and without implantation of an annular closure device.** *Acta neurochirurgica* 2018, 160(4):855-862. IF 1.9

Candrian G, Muller A, Dall'Acqua P, Kompatsiari K, Baschera GM, Mica L, Simmen HP, Glaab R, Fandino J, Schwendinger M, Meier C, Ulbrich EJ, Johannes S: **Longitudinal study of a NoGo-P3 event-related potential component following mild traumatic brain injury in adults.** *Annals of physical and rehabilitation medicine* 2018, 61(1):18-26. IF 3.4

Coluccia D, Roth T, Marbacher S, Fandino J: **Impact of Laterality on Surgical Outcome of Glioblastoma Patients: A Retrospective Single-Center Study.** *World neurosurgery* 2018, 114:e121-e128. IF 1.9

Eisele G, Roelcke U, Conen K, Huber F, Weiss F, Hofer S, Heese O, Westphal M, Hertler C, Roth P, Weller M: **Complementary and alternative medicine use by glioma patients in Switzerland.** *Neuro-Oncology Practice*, npy035, <https://doi.org/10.1093/nop/npy035> IF 3.2

Gruber P, Schwyzer L, Klinger E, Burn F, Diepers M, Anon J, Fathi A, Fandino J, Remonda L, Roelcke U, Berberat J: **Longitudinal Imaging of Tumor Volume, Diffusivity, and Perfusion After Preoperative Endovascular Embolization in Supratentorial Hemispheric Meningiomas.** *World neurosurgery* 2018, 120:e357-e364. IF 1.9

Gruter BE, Mendelowitsch I, Diepers M, Remonda L, Fandino J, Marbacher S: **Combined Endovascular and Microsurgical Treatment of Arteriovenous Malformations in the Hybrid Operating Room.** *World neurosurgery* 2018, 117:e204-e214. IF 1.9

Gruter BE, Strange F, Burn F, Remonda L, Diepers M, Fandino J, Marbacher S: **Hybrid Operating Room Settings for Treatment of Complex Dural Arteriovenous Fistulas.** *World neurosurgery* 2018, 120:e932-e939. IF 1.9

Hamarat Y, Bartusis L, Deimantavicius M, Siaudvytyte L, Januleviciene I, Ragauskas A, Bershad EM, Fandino J, Kienzler J, Remonda E, Matijosaitis V, Rastenyte D, Petrikonis K, Berskiene K, Zakelis R: **Graphical and statistical analyses of the oculocardiac reflex during a non-invasive intracranial pressure measurement.** *PLoS one* 2018, 13(4):e0196155. IF 2.8

BEREICH CHIRURGIE

Huang RY, Unadkat P, Linda Bi W, George E, Preusser M, McCracken DJ, Keen JR, Read WL, Olson JJ, Seystahl K, Le Rhun E, Roelcke U, Koeppen S, Furtner J, Weller M, Raizer JJ, Schiff D, Wen PY: **Response Assessment of Meningioma: 1D, 2D and Volumetric Criteria for Treatment Response and Tumor Progression.** *Neuro-oncology* 2018, doi: 10.1093/neuonc/noy126. [Epub ahead of print]. IF 9.4

Kempf J, Schmitz A, Meier A, Delfs N, Mueller B, Fandino J, Schuetz P, Berkmann S: **Adenoma size and postoperative IGF-1 levels predict surgical outcomes in acromegaly patients: results of the Swiss Pituitary Registry (SwissPit).** *Swiss medical weekly* 2018, 148:w14653.1 IF 1.9

Maldaner N, Burkhardt JK, Stienen MN, Goldberg J, Bervini D, Bijlenga P, Croci D, Zumofen D, D'Alonzo D, Marbacher S, Maduri R, Daniel RT, Serra C, Esposito G, Neidert MC, Bozinov O, Regli L: **Decision-making and neurosurgeons' agreement in the management of aneurysmal subarachnoid haemorrhage based on computed tomography angiography.** *Acta neurochirurgica* 2018, 160(2):253-260. IF 1.9

Marbacher S, Gruter BE, Schopf S, Croci D, Nevzati E, D'Alonzo D, Lattmann J, Roth T, Bircher B, Wolfert C, Muroi C, Dutilh G, Widmer HR, Fandino J: **Systematic Review of In Vivo Animal Models of Subarachnoid Hemorrhage: Species, Standard Parameters, and Outcomes.** *Translational stroke research* 2018, doi: 10.1007/s12975-018-0657-4. [Epub ahead of print]. IF 8.3

Marbacher S, Mendelowitsch I, Gruter BE, Diepers M, Remonda L, Fandino J: **Comparison of 3D intraoperative digital subtraction angiography and intraoperative indocyanine green video angiography during intracranial aneurysm surgery.** *Journal of neurosurgery* 2018:1-8. doi: 10.3171/2018.1.JNS172253. [Epub ahead of print] IF 4.3

Marbacher S, Spiessberger A, Diepers M, Remonda L, Fandino J: **Early Intracranial Aneurysm Recurrence after Microsurgical Clip Ligation: Case Report and Review of the Literature.** *Journal of neurological surgery reports* 2018, 79(4):e93-e97. IF 1.1

Neidert MC, Maldaner N, Stienen MN, Roethlisberger M, Zumofen DW, D'Alonzo D, Marbacher S, Maduri R, Hostettler IC, Schatlo B, Schneider MM, Seule MA, Schoni D, Goldberg J, Fung C, Arrighi M, Valsecchi D, Bijlenga P, Schaller K, Bozinov O, Regli L, Burkhardt JK, Swiss SOSsg: **The Barrow Neurological Institute Grading Scale as a Predictor for Delayed Cerebral Ischemia and Outcome After Aneurysmal Subarachnoid Hemorrhage: Data From a Nationwide Patient Registry (Swiss SOS).** *Neurosurgery* 2018, 83(6):1286-1293. IF 4.5

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 SOSsg: **Impact of Aneurysm Multiplicity on Treatment and Outcome After Aneurysmal Subarachnoid Hemorrhage.** *Neurosurgery* 2018, nyy331. IF 4.5

Roethlisberger M, Achermann R, Bawarjan S, Stienen MN, Fung C, D'Alonzo D, Maldaner N, Ferrari A, Corniola MV, Schoni D, Valsecchi D, Maduri R, Seule MA, Burkhardt JK, Marbacher S, Bijlenga P, Blackham KA, Bucher HC, Mariani L, Guzman R, Zumofen DW, Swiss SOSsg: **Predictors of Occurrence and Anatomic Distribution of Multiple Aneurysms in Patients with Aneurysmal Subarachnoid Hemorrhage.** *World neurosurgery* 2018, 111:e199-e205. IF 1.9

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.** *Clinical neuroradiology* 2018, doi: 10.1007/s00062-018-0686-0. [Epub ahead of print]. IF 2.8

Spiessberger A, Baumann F, Hausler M, Ruhli F, Fandino J, Muroi C: **A Posterior Oblique Approach to the Lumbar Disk Spaces, Vertebral Bodies, and Lumbar Plexus: A Cadaveric Feasibility Study.** *Clinical spine surgery* 2018, 31(1):E8-E12. IF 2.0

Spiessberger A, Baumann F, Kothbauer KF, Aref M, Marbacher S, Fandino J, Nevzati E: **Bony Dehiscence of the Horizontal Petrous Internal Carotid Artery Canal: An Anatomic Study with Surgical Implications.** *World neurosurgery* 2018, 114:e1174-e1179. IF 1.9

Spiessberger A, Baumann F, Stauffer A, Marbacher S, Kothbauer KF, Fandino J, Bernhard Moriggl B. Extended exposure of the petroclival junction: **The combined anterior transpetrosal and subtemporal/transcavernous approach.** *Surgical Neurology International* 2018, 9, 259. IF 1.4

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.** *Journal of clinical neuroscience* 2018 pii: S0967-5868(18)31657-6. doi: 10.1016/j.jocn.2018.11.044. [Epub ahead of print]. IF 1.6

Spiessberger A, Strange F, Fandino J, Marbacher S: **Microsurgical Clipping of Basilar Apex Aneurysms: A Systematic Historical Review of Approaches and their Results.** *World neurosurgery* 2018, 114:305-316. IF 1.9

BEREICH CHIRURGIE

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 CADClsg: **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* 2018, doi: 10.1093/neuros/nyy155. [Epub ahead of print]. IF 4.5

Stienen MN, Germans M, Burkhardt JK, Neidert MC, Fung C, Bervini D, Zumofen D, Rothlisberger M, Marbacher S, Maduri R, Robert T, Seule MA, Bijlenga P, Schaller K, Fandino J, Smoll NR, Maldaner N, Finkenstadt S, Esposito G, Schatlo B, Keller E, Bozinov O, Regli L, Swiss SOSSG: **Predictors of In-Hospital Death After Aneurysmal Subarachnoid Hemorrhage: Analysis of a Nationwide Database (Swiss SOS [Swiss Study on Aneurysmal Subarachnoid Hemorrhage]).** *Stroke* 2018, 49(2):333-340. IF 6.2

Stienen MN, Smoll NR, Fung C, Goldberg J, Bervini D, Maduri R, Chiappini A, Robert T, May A, Bijlenga P, Zumofen D, Roethlisberger M, Seule MA, Marbacher S, Fandino J, Schatlo B, Schaller K, Keller E, Bozinov O, Regli L; Swiss SOS Study Group: **Home-Time as a Surrogate Marker for Functional Outcome After Aneurysmal Subarachnoid Hemorrhage.** *Stroke* 2018, (12):3081-3084. IF 6.2

Thome C, Klassen PD, Bouma GJ, Kursumovic A, Fandino J, Barth M, Arts M, van den Brink W, Bostelmann R, Hege-ward A, Heidecke V, Vajkoczy P, Frohlich S, Wolfs J, Assaker R, Van de Kelft E, Kohler HP, Jadik S, Eustacchio S, Hes R, Martens F, Annular Closure RCTSG: **Annular closure in lumbar microdiscectomy for prevention of reherniation: a randomized clinical trial.** *The Spine Journal* 2018, 18(12):2278-2287. IF 2.8

Wirsching HG, Tabatabai G, Roelcke U, Hottinger AF, Jorger F, Schmid A, Plasswilm L, Schimpf D, Mancao C, Capper D, Conen K, Hundsberger T, Caparrotti F, von Moos R, Riklin C, Felsberg J, Roth P, Jones DTW, Pfister S, Rushing EJ, Abrey L, Reifenberger G, Held L, von Deimling A, Ochsenbein A, Weller M: **Bevacizumab plus hypofractionated radiotherapy versus radiotherapy alone in elderly patients with glioblastoma: the randomized, open-label, phase II ARTE trial.** *Annals of oncology : official journal of the European Society for Medical Oncology* 2018, 29(6):1423-1430. IF 13.9

Zumofen DW, Roethlisberger M, Achermann R, Bawarjan S, Stienen MN, Fung C, D'Alonzo D, Maldaner N, Ferrari A, Corniola MV, Schoeni D, Goldberg J, Valsecchi D, Robert T, Maduri R, Seule M, Burkhardt JK, Marbacher S, Bijlenga P, Blackham KA, Bucher HC, Mariani L, Guzman R, Swiss SOSSG: **Factors associated with clinical and radiological status on admission in patients with aneurysmal subarachnoid hemorrhage.** *Neurosurgical review* 2018, 41(4):1059-1069. IF 2.3

Orthopädie-Zentrum KSA-KSB

Kaniewska M, de Beus JM, Ahlhelm F, Mameghani A, Eid K, Kubik-Huch RA, Anderson SE: **Whole spine localizers of magnetic resonance imaging detect unexpected vertebral fractures.** *Acta radiologica* 2018:284185118796673. IF 1.8

Kaniewska M, Schenkel M, Eid K, Buhler T, Kubik-Huch RA, Anderson SE: **Anatomy-based MRI assessment of the iliopsoas muscle complex after pertrochanteric femoral fracture.** *Skeletal Radiol* 2018. IF 1.6

Kaniewska M, Steinbach LS, Neurauder U, Anderson SE: **Lipidus migrans-a radiology imaging feature after ankle injury.** *Skeletal Radiol* 2018, 47(12):1709-1715. IF 1.6

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* 2018:300060518813506. IF 1.0

de Koning HJ, Gulati R, Moss SM, Hugosson J, Pinsky PF, Berg CD, Auvinen A, Andriole GL, Roobol MJ, Crawford ED, Nelen V, Kwiatkowski M, Zappa M, Lujan M, Villers A, de Carvalho TM, Feuer EJ, Tsodikov A, Mariotto AB, Heijnsdijk EAM, Etzioni R: **The efficacy of prostate-specific antigen screening: Impact of key components in the ERSPC and PLCO trials.** *Cancer* 2018, 124(6):1197-1206. IF 6.5

Heijnsdijk EAM, Bangma CH, Borras JM, de Carvalho TM, Castells X, Eklund M, Espinas JA, Graefen M, Gronberg H, Lansdorp-Vogelaar I, Leeuwen PJV, Nelen V, Recker F, Roobol MJ, Vandenbulcke P, de Koning HJ: **Summary statement on screening for prostate cancer in Europe.** *International journal of cancer* 2018, 142(4):741-746. IF 7.4

Locherbach F, Grimsehl P, Sauer A, Wyler S, Kwiatkowski M: **Ureteral Rupture Caused by Accidental Intubation of the Ureter with a Foley-Catheter during Ureterorenoscopy.** *Case Rep Urol* 2018, 2018:9738265

Locherbach F, Wolfgruber P, Wyler S, Kwiatkowski M: **Single-system orthotopic ureterocele with calculus masquerading as a bladder tumour – A case report and review of literature.** *Urology case reports* 2018, 21:64-66. IF 0.5

Omlin A, Spahn M, Beyer J, Eberli D, Gillissen S, Jochum W, Kueng M, Nitzsche E, Rentsch CA, Roggero E, Schmid HP, Stenner F, Templeton AJ, Wild D, Wyler S, Zwahlen D, Cathomas R: **[Treatment of Advanced Prostate Carcinoma – an Interdisciplinary Recommendation].** *Praxis* 2018, 107(19):1043-1051.

BEREICH FRAUEN UND KINDER

Frauenklinik

Weber WP, Tausch C, Hayoz S, Fehr MK, Ribi K, Hawle H, Lupatsch JE, Matter-Walstra K, Chiesa F, Dedes KJ, Berclaz G, Lelievre L, Hess T, Guth U, Pioch V, Sarlos D, Leo C, Canonica C, Gabriel N, Zeindler J, Cassoly E, Andrieu C, Soysal SD, Ruhstaller T, Fehr PM, Knauer M, Swiss Group for Clinical Cancer R: **Impact of a Surgical Sealing Patch on Lymphatic Drainage After Axillary Dissection for Breast Cancer: The SAKK 23/13 Multicenter Randomized Phase III Trial.** *Annals of surgical oncology* 2018, 25(9):2632-2640. IF 3.9

Klinik für Kinder und Jugendliche

Bieri A, von Siebenthal C, Köhler H: **Vegetarische und vegane Ernährung bei Kindern und Jugendlichen.** *Swiss Medical Forum* 2018;18(18):393-398

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* 2018. IF 3.3

Dierig A, Berger C, Agyeman PKA, Bernhard-Stirnemann S, Giannoni E, Stocker M, Posfay-Barbe KM, Niederer-Loher A, Kahlert CR, Donas A, Hasters P, Rely C, Riedel T, Aebi C, Schlapbach LJ, Heining U: **Time-to-Positivity of Blood Cultures in Children With Sepsis.** *Frontiers in pediatrics* 2018, 6:222. IF 2.3

Drozdov D, Bonaventure A, Nakata K, Suttrop M, Belot A: **Temporal trends in the proportion of «cure» in children, adolescents, and young adults diagnosed with chronic myeloid leukemia in England: A population-based study.** *Pediatric blood & cancer* 2018, 65(12):e27422. IF 2.7

Giannoni E, Agyeman PKA, Stocker M, Posfay-Barbe KM, Heining U, Spycher BD, Bernhard-Stirnemann S, Niederer-Loher A, Kahlert CR, Donas A, Leone A, Hasters P, Rely C, Riedel T, Kuehni C, Aebi C, Berger C, Schlapbach LJ: **Neonatal Sepsis of Early Onset, and Hospital-Acquired and Community-Acquired Late Onset: A Prospective Population-Based Cohort Study.** *The Journal of pediatrics* 2018, 201:106-114.e104. IF 3.6

Koelbl T, Bernhard S, Egger B, Meuli-Simmen C, Ly T: **Fulminant wound infection with Clostridium perfringens and Bacillus cereus in a healthy five year old boy.** *Journal of Pediatric Surgery Case Reports, Volume 38* (2018), Pages 64-65 IF 0.1

Konstantinou G, Kreis C, Ammann RA, Niggli F, Kuehni CE, Spycher BD: **Spatial clustering of childhood cancers in Switzerland: a nationwide study.** *Cancer causes & control : CCC* 2018, 29(3):353-362. IF 2.7

Korten I, Liechti M, Singer F, Hafen G, Rochat I, Anagnostopoulou P, Muller-Suter D, Usemann J, Moeller A, Frey U, Latzin P, Casaulta C: **Lower exhaled nitric oxide in infants with Cystic Fibrosis compared to healthy controls.** *Journal of cystic fibrosis : official journal of the European Cystic Fibrosis Society* 2018, 17(1):105-108. IF 3.8

Mader L, Roser K, Baenziger J, Vetsch J, Winther JF, Scheinemann 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* 2018. IF 3.5

Ott M, Scheinemann K: **Surveillance imaging for high-grade childhood brain tumors: What to do 10 years after completion of treatment?** *Pediatric blood & cancer* 2018, 65(11):e27311. IF 2.6

Schmidt S, Hafner P, Klein A, Rubino-Nacht D, Gocheva V, Schroeder J, Naduvilekoot Devasia A, Zuesli S, Bernert G, Laugel V, Bloetzer C, Steinlin M, Capone A, Gloor M, Tobler P, Haas T, Bieri O, Zumbunn T, Fischer D, Bonati U: **Timed function tests, motor function measure, and quantitative thigh muscle MRI in ambulant children with Duchenne muscular dystrophy: A cross-sectional analysis.** *Neuromuscular disorders: NMD* 2018, 28(1):16-23. IF 2.5

Sommer G, Konrad D, Kuhlmann B, L'Allemande D, Phan-Hug F, Hauschild M, Schwitzgebel V, Tonella P, Hess M, Zumbunn U, Lauber-Biason A, Flück C: **Kinder und Jugendliche mit Varianten in der Geschlechtsentwicklung.** *Swiss Med Forum.* 2018;18(42):858-864

Weiss A, Kuonen R, Brockmeier H, Grotzer M, Candrea C, Maire R, Senn P, Stieger C, Rosenfeld J, Veraguth D, Kompis M, Scheinemann K, Kuehni CE, Swiss Pediatric Oncology G: **Audiological monitoring in Swiss childhood cancer patients.** *Pediatric blood & cancer* 2018, 65(3). IF 2.6

Weiss A, Sommer G, Schindera C, Wengenroth L, Karow A, Diezi M, Michel G, Kuehni CE: **Hearing loss and quality of life in survivors of paediatric CNS tumours and other cancers.** *Qual Life Res* 2018. IF 2.4

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* 2018. IF 5.4

Filipovic M, Kindler C, Walder B: **Perioperative kardiale Abklärung und Therapie im Vorfeld nicht-herzchirurgischer Eingriffe: Die Rolle der Biomarker.** *Swiss Med Forum* 2018; 18: 1078-80

Mujagic E, Marti WR, Coslovsky M, Soysal SD, Mechera R, von Strauss M, Zeindler J, Saxer F, Mueller A, Fux CA, Kindler C, Gurke L, Weber WP: **Associations of Hospital Length of Stay with Surgical Site Infections.** *World journal of surgery* 2018, 42(12):3888-3896. IF 2.8

Puelacher C, Lurati Buse G, Seeberger D, Szargy L, Marbot S, Lampart A, Espinola J, Kindler C, Hammerer A, Seeberger E, Strebel I, Wildi K, Twerenbold R, du Fay de Lavallaz J, Steiner L, Gurke L, Breidthardt T, Rentsch K, Buser A, Gualandro DM, Osswald S, Mueller C, Investigators B-P: **Perioperative Myocardial Injury After Noncardiac Surgery: Incidence, Mortality, and Characterization.** *Circulation* 2018, 137(12):1221-1232. IF 18.9

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.** *Clinical chemistry and laboratory medicine* 2018. IF 3.6

Baumgartner T, Zurauskaite G, Wirz Y, Meier M, Steuer C, Bernasconi L, Huber A, Christ-Crain M, Henzen C, Hoess C, Thomann R, Zimmerli W, Mueller B, Schuetz P: **Association of the Tyrosine/Nitrotyrosine pathway with death or ICU admission within 30 days for patients with community acquired pneumonia.** *BMC Infect Dis* 2018, 18(1):423. IF 2.6

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.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America* 2018. 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.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America* 2018. IF 9.1

Conca A, Gabele A, Reutlinger B, Schuetz P, Kutz A, Haubitz S, Faessler L, Batschwaroff M, Schild U, Caldara Z, Regez K, Schirlo S, Vossler G, Kahles T, Nedeltchev K, Keller A, Huber A, De Geest S, Buergi U, Tobias P, Louis Simonet M, Mueller B, Schäfer-Keller P: **Prediction of post-acute care demand in medical and neurological inpatients: diagnostic assessment of the post-acute discharge score – a prospective cohort study.** *BMC Health Services Research* 2018; 18(1): 111 IF 1.8

Damonti L, Erard V, Garbino J, Schrenzel J, Zimmerli S, Mühlethaler K, Imhof A, Zbinden R, Fehr J, Boggian K, Bruderer T, Flückiger U, Frei R, Orasch C, Conen A, Khanna N, Bregenzer T, Bille J, Lamoth F, Marchetti O, Bochud PY: Fungal Infection Network of Switzerland (FUNGINOS). **Correction to: Catheter retention as a consequence rather than a cause of unfavorable outcome in candidemia.** *Intensive Care Medicine* 2018; 44(3): 405-407 IF 15.0

Ebrahimi F, Urwyler SA, Straumann S, Doerpfeld S, Bernasconi L, Neyer P, Schuetz P, Mueller B, Donath MY, Christ-Crain M: **IL-1 Antagonism in Men With Metabolic Syndrome and Low Testosterone: A Randomized Clinical Trial.** *The Journal of clinical endocrinology and metabolism* 2018, 103(9):3466-3476. IF 5.8

Eckart A, Hausfater P, Amin D, Amin A, Haubitz S, Bernard M, Baumgartner A, Struja T, Kutz A, Christ-Crain M, Huber A, Müller B, Schütz P: **Hyponatremia and activation of vasopressin secretion are both independently associated with 30-day mortality: results of a multicenter, observational study.** *Journal of Internal Medicine* 2018; 284(3): 270-281 IF 6.8

BEREICH ZENTRALE MEDIZINISCHE DIENSTE

- Ellison G, Ahdesmäki M, Luke S, Waring PM, Wallace A, Wright R, Röthlisberger B, Ludin K, Merkelbach-Bruse S, Heydt C, Ligtenberg MJL, Mensenkamp AR, Castro DG, Jones T, Vivancos A, Kondrashova O, Pauwels P, Weyn C, Hahnen E, Hauke J, Soong R, Lai Z, Dougherty B, Carr TH, Johnson J, Mills J, Barrett JC: **An evaluation of the challenges to developing tumour BRCA1 and BRCA2 testing methodologies for clinical practice.** *Human Mutation* 2018; 39(3): 394-405 IF 5.4
- 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.** *Journal of immunological methods* 2018. IF 2.2
- Lhermitte L, Mejstrikova E, van der Sluijs-Gelling AJ, Grigore GE, Sedek L, Bras AE, Gaipa G, Sobral da Costa E, Novakova M, Sonneveld E, Buracchi C, de Sa Bacelar T, Te Marvelde JG, Trinquand A, Asnafi V, Szczepanski T, Matarraz S, Lopez A, Vidriales B, Balsa J, Hrusak O, Kalina T, Lecrevisse Q, Martin Ayuso M, Bruggemann M, Verde J, Fernandez P, Burgos L, Paiva B, Pedreira CE, van Dongen JJM, Orfao A, van der Velden VHJ: **Automated database-guided expert-supervised orientation for immunophenotypic diagnosis and classification of acute leukemia.** *Leukemia* 2018, 32(4):874-881. IF 10.0
- 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* 2018:1-5. IF 1.6
- Nigro N, Winzeler B, Suter-Widmer I, Schuetz P, Arici B, Bally M, Refardt J, Betz M, Gashi G, Urwyler SA, Burget L, Blum CA, Bock A, Huber A, Müller B, Christ-Crain M: **Copeptin levels and commonly used laboratory parameters in hospitalised patients with severe hypernatraemia – the «Co-MED study».** *Critical Care* 2018; 22(1): 33 IF 6.4
- Orasch C, Mertz D, Garbino J, van Delden C, Emonet S, Schrenzel J, Zimmerli S, Damonti L, Mühlethaler K, Imhof A, Ruef C, Fehr J, Zbinden R, Boggian K, Bruderer T, Flückiger U, Conen A, Khanna N, Frei R, Bregenzer T, Lamoth F, Erard V, Bochud PY, Calandra T, Bille J, Marchetti O: Fungal Infection Network of Switzerland (FUNGINOS). **Fluconazole non-susceptible breakthrough candidemia after prolonged low-dose prophylaxis: a prospective FUNGINOS study.** *Journal of Infection* 2018; 76(5): 489-495 IF 4.6
- Ottiger M, Nickler M, Steuer C, Bernasconi L, Huber A, Christ-Crain M, Henzen C, Hoess C, Thomann R, Zimmerli W, Mueller B, Schuetz P: **Gut, microbiota-dependent trimethylamine-N-oxide is associated with long-term all-cause mortality in patients with exacerbated chronic obstructive pulmonary disease.** *Nutrition* 2018, 45:135-141 e131. IF 3.6
- Puelacher C, Lurati Buse G, Seeberger D, Sazgary L, Marbot S, Lampart A, Espinola J, Kindler C, Hammerer A, Seeberger E, Strebel I, Wildi K, Twerenbold R, du Fay de Lavallaz J, Steiner L, Gurke L, Breidthardt T, Rentsch K, Buser A, Gualandro DM, Osswald S, Mueller C, Investigators B-P: **Perioperative Myocardial Injury After Noncardiac Surgery: Incidence, Mortality, and Characterization.** *Circulation* 2018, 137(12):1221-1232. IF 18.9
- 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* 2018. IF 4.5
- 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.** *The Journal of clinical endocrinology and metabolism* 2018. IF 5.8
- Struja T, Eckart A, Kutz A, Huber A, Neyer P, Kraenzlin M, Mueller B, Meier C, Bernasconi L, Schuetz P: **Metabolomics for Prediction of Relapse in Graves' Disease: Observational Pilot Study.** *Front Endocrinol (Lausanne)* 2018, 9:623. IF 3.5
- Von Wolff M, Nakas CT, Tobler M, Merz TM, Hilty MP, Veldhuis JD, Huber AR, Pichler Hefti J: **Adrenal, thyroid and gonadal axes are affected at high altitude.** *Endocrine Connections* 2018; 7(10): 1081-1089 IF 3.0
- Zurauskaite G, Meier M, Voegeli A, Koch D, Haubitz S, Kutz A, Bernasconi L, Huber A, Bargetzi M, Mueller B, Schuetz P: **Biological pathways underlying the association of red cell distribution width and adverse clinical outcome: Results of a prospective cohort study.** *PloS one* 2018, 13(1):e0191280. IF 2.8
- Zurfluh S, Baumgartner T, Meier MA, Ottiger M, Voegeli A, Bernasconi L, Neyer P, Mueller B, Schuetz P: **The role of metabolomic markers for patients with infectious diseases: implications for risk stratification and therapeutic modulation.** *Expert review of anti-infective therapy* 2018, 16(2):133-142. IF 3.1
- Zurfluh S, Nickler M, Ottiger M, Steuer C, Kutz A, Christ-Crain M, Zimmerli W, Thomann R, Hoess C, Henzen C, Bernasconi L, Huber A, Mueller B, Schuetz P, pro Hsg: **Dihydrotestosterone is a predictor for mortality in males with community-acquired pneumonia: results of a 6-year follow-up study.** *Respiratory research* 2018, 19(1):240. IF 3.8

BEREICH ZENTRALE MEDIZINISCHE DIENSTE

Zurfluh S, Nickler M, Ottiger M, Steuer C, Kutz A, Christ-Crain M, Zimmerli W, Thomann R, Hoess C, Henzen C, Bernasconi L, Huber A, Mueller B, Schuetz P: **Association of adrenal hormone metabolites and mortality over a 6-year follow-up in COPD patients with acute exacerbation.** *Clinical chemistry and laboratory medicine* 2018, 56(4):669-680. IF 3.6

Institut für Pathologie

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* 2018. IF 3.8

Grobholz R: **[Digital pathology : The time has come!].** *Pathologe* 2018, 39(3):228-235. IF 0.6

Grobholz R: **Digitale Pathologie: Die Zeit ist reif.** *Win Klin Mag* 2018, 21(6):270-279. IF 1.0

Muller DC, Ramo M, Naegele K, Ribi S, Wetterauer C, Perrina V, Quagliata L, Vlajnic T, Ruiz C, Balitzki B, Grobholz R, Gosert R, Ajuh ET, Hirsch HH, Bubendorf L, Rentsch CA: **Donor-derived, metastatic urothelial cancer after kidney transplantation associated with a potentially oncogenic BK polyomavirus.** *The Journal of pathology* 2018, 244(3):265-270. IF 6.3

Institut für Radiologie

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* 2018:300060518813506. IF 1.0

Heilmaier C, Treier R, Merkle EM, Alkadhi H, Weishaupt D, Schindera S: **National survey on dose data analysis in computed tomography.** *European radiology* 2018, 28(12):5044-5050. IF 4.0

Viry A, Aberle C, Racine D, Knebel JF, Schindera ST, Schmidt S, Becce F, Verdun FR: **Effects of various generations of iterative CT reconstruction algorithms on low-contrast detectability as a function of the effective abdominal diameter: A quantitative task-based phantom study.** *Phys Med* 2018, 48:111-118. IF 2.2

Neuroradiologie

Boye D, Montali M, Miller NR, Pircher A, Gruber P, Killer HE, Remonda L, Berberat J: **Flow dynamics of cerebrospinal fluid between the intracranial cavity and the subarachnoid space of the optic nerve measured with a diffusion magnetic resonance imaging sequence in patients with normal tension glaucoma.** *Clinical & experimental ophthalmology* 2018, 46(5):511-518. IF 3.2

Campbell BCV, Majoie C, Albers GW, Menon BK, Yassi N, Sharma G, van Zwam WH, van Oostenbrugge RJ, Demchuk AM, Guillemin F, White P, Davalos A, van der Lugt A, Butcher KS, Cherifi A, Marquering HA, Cloud G, Macho Fernandez JM, Madigan J, Oppenheim C, Donnan GA, Roos Y, Shankar J, Lingsma H, Bonafe A, Raoult H, Hernandez-Perez M, Bharatha A, Jahan R, Jansen O, Richard S, Levy EI, Berkhemer OA, Soudant M, Aja L, Davis SM, Krings T, Tisserand M, San Roman L, Tomasello A, Beumer D, Brown S, Liebeskind DS, Bracard S, Muir KW, Dippel DWJ, Goyal M, Saver JL, Jovin TG, Hill MD, Mitchell PJ: **Penumbra imaging and functional outcome in patients with anterior circulation ischaemic stroke treated with endovascular thrombectomy versus medical therapy: a meta-analysis of individual patient-level data.** *Lancet Neurol* 2019, 18(1):46-55. IF 27.1

Campbell BCV, van Zwam WH, Goyal M, Menon BK, Dippel DWJ, Demchuk AM, Bracard S, White P, Davalos A, Majoie C, van der Lugt A, Ford GA, de la Ossa NP, Kelly M, Bourcier R, Donnan GA, Roos Y, Bang OY, Nogueira RG, Devlin TG, van den Berg LA, Clarencon F, Burns P, Carpenter J, Berkhemer OA, Yavagal DR, Pereira VM, Ducrocq X, Dixit A, Quesada H, Epstein J, Davis SM, Jansen O, Rubiera M, Urra X, Micard E, Lingsma HF, Naggara O, Brown S, Guillemin F, Muir KW, van Oostenbrugge RJ, Saver JL, Jovin TG, Hill MD, Mitchell PJ: **Effect of general anaesthesia on functional outcome in patients with anterior circulation ischaemic stroke having endovascular thrombectomy versus standard care: a meta-analysis of individual patient data.** *Lancet Neurol* 2018, 17(1):47-53. IF 27.1

Chepelev L, Wake N, Ryan J, Althobaity W, Gupta A, Arribas E, Santiago L, Ballard DH, Wang KC, Weadock W, Ionita CN, Mitsouras D, Morris J, Matsumoto J, Christensen A, Liacouras P, Rybicki FJ, Sheikh A: **Radiological Society of North America (RSNA) 3D printing Special Interest Group (SIG): guidelines for medical 3D printing and appropriateness for clinical scenarios.** *3D printing in medicine* 2018, 4(1):11.

Danieli L, Montali M, Remonda L, Killer HE, Colosimo C, Cianfoni A: **Clinically Directed Neuroimaging of Ophthalmoplegia.** *Clinical neuroradiology* 2018, 28(1):3-16. IF 2.8

BEREICH ZENTRALE MEDIZINISCHE DIENSTE

- 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* 2018. IF 3.5
- Gruber P, Garcia-Esperon C, Berberat J, Kahles T, Hlavica M, Anon J, Diepers M, Nedeltchev K, Remonda L: **Neuro Elutax SV drug-eluting balloon versus Wingspan stent system in symptomatic intracranial high-grade stenosis: a single-center experience.** *J Neurointerv Surg* 2018, 10(12):e32. IF 3.5
- 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* 2018:1591019918808777. IF 1.0
- Gruber P, Schwyzer L, Klinger E, Burn F, Diepers M, Anon J, Fathi A, Fandino J, Remonda L, Roelcke U, Berberat J: **Longitudinal Imaging of Tumor Volume, Diffusivity, and Perfusion After Preoperative Endovascular Embolization in Supratentorial Hemispheric Meningiomas.** *World neurosurgery* 2018, 120:e357-e364. IF 1.9
- Gruber P, Zeller S, Garcia-Esperon C, Berberat J, Anon J, Diepers M, Nedeltchev K, Flottmann F, Fiehler J, Remonda L, Kahles T: **Embolus Retriever with Interlinked Cages versus other stent retrievers in acute ischemic stroke: an observational comparative study.** *J Neurointerv Surg* 2018, 10(12):e31. IF 3.5
- Gruter BE, Mendelowitsch I, Diepers M, Remonda L, Fandino J, Marbacher S: **Combined Endovascular and Microsurgical Treatment of Arteriovenous Malformations in the Hybrid Operating Room.** *World neurosurgery* 2018, 117:e204-e214. IF 1.9
- Gruter BE, Strange F, Burn F, Remonda L, Diepers M, Fandino J, Marbacher S: **Hybrid Operating Room Settings for Treatment of Complex Dural Arteriovenous Fistulas.** *World neurosurgery* 2018, 120:e932-e939. IF 1.9
- Hamarat Y, Bartusis L, Deimantavicius M, Siaudvytyte L, Januleviciene I, Ragauskas A, Bershada EM, Fandino J, Kienzler J, Remonda E, Matijosaitis V, Rastenyte D, Petrikonis K, Berskiene K, Zakelis R: **Graphical and statistical analyses of the oculocardiac reflex during a non-invasive intracranial pressure measurement.** *PloS one* 2018, 13(4):e0196155. IF 2.8
- 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)* 2018. IF 1.7
- Marbacher S, Mendelowitsch I, Gruter BE, Diepers M, Remonda L, Fandino J: **Comparison of 3D intraoperative digital subtraction angiography and intraoperative indocyanine green video angiography during intracranial aneurysm surgery.** *Journal of neurosurgery* 2018:1-8. IF 4.3
- Marbacher S, Spiessberger A, Diepers M, Remonda L, Fandino J: **Early Intracranial Aneurysm Recurrence after Microsurgical Clip Ligation: Case Report and Review of the Literature.** *J Neurol Surg Rep* 2018, 79(4):e93-e97. IF 3.5
- Pircher A, Montali M, Pircher J, Berberat J, Remonda L, Killer HE: **Periopic Cerebrospinal Fluid Dynamics in Idiopathic Intracranial Hypertension.** *Frontiers in neurology* 2018, 9:506. IF 3.5
- Pircher A, Montali M, Wostyn P, Pircher J, Berberat J, Remonda L, Killer HE: **Impaired cerebrospinal fluid dynamics along the entire optic nerve in normal-tension glaucoma.** *Acta ophthalmologica* 2018, 96(5):e562-e569. IF 3.3
- Roethlisberger M, Achermann R, Bawarjan S, Stienen MN, Fung C, D'Alonzo D, Maldaner N, Ferrari A, Corniola MV, Schoni D, Valsecchi D, Maduri R, Seule MA, Burkhardt JK, Marbacher S, Bijlenga P, Blackham KA, Bucher HC, Mariani L, Guzman R, Zumofen DW: **Predictors of Occurrence and Anatomic Distribution of Multiple Aneurysms in Patients with Aneurysmal Subarachnoid Hemorrhage.** *World neurosurgery* 2018, 111:e199-e205. IF 1.9
- Roman LS, Menon BK, Blasco J, Hernandez-Perez M, Davalos A, Majoie C, Campbell BCV, Guillemin F, Lingsma H, Anxionnat R, Epstein J, Saver JL, Marquering H, Wong JH, Lopes D, Reimann G, Desal H, Dippel DWJ, Coutts S, du Mesnil de Rochemont R, Yavagal D, Ferre JC, Roos Y, Liebeskind DS, Lenthall R, Molina C, Al Ajlan FS, Reddy V, Dowlathshahi D, Sourour NA, Oppenheim C, Mitha AP, Davis SM, Weimar C, van Oostenbrugge RJ, Cobo E, Kleinig TJ, Donnan GA, van der Lugt A, Demchuk AM, Berkhemer OA, Boers AMM, Ford GA, Muir KW, Brown BS, Jovin T, van Zwam WH, Mitchell PJ, Hill MD, White P, Bracard S, Goyal M: **Imaging features and safety and efficacy of endovascular stroke treatment: a meta-analysis of individual patient-level data.** *Lancet Neurol* 2018, 17(10):895-904. IF 27.1
- 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.** *Clinical neuroradiology* 2018. IF 2.8

BEREICH ZENTRALE MEDIZINISCHE DIENSTE

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* 2018. IF 3.8

Omlin A, Spahn M, Beyer J, Eberli D, Gillessen S, Jochum W, Kueng M, Nitzsche E, Rentsch CA, Roggero E, Schmid HP, Stenner F, Templeton AJ, Wild D, Wyler S, Zwahlen D, Cathomas R: **[Treatment of Advanced Prostate Carcinoma – an Interdisciplinary Recommendation].** *Praxis* 2018, 107(19):1043-1051.

Radio-Onkologie-Zentrum KSA-KSB

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* 2018. IF 5.6

Datta NR, Stutz E, Rogers S, Bodis S: **Clinical estimation of alpha/beta values for prostate cancer from isoeffective phase III randomized trials with moderately hypofractionated radiotherapy.** *Acta Oncol* 2018, 57(7):883-894. IF 5.5

Dressel S, Gosselin MC, Capstick MH, Carrasco E, Weyland MS, Scheidegger S, Neufeld E, Kuster N, Bodis S, Rohrer Bley C: **Novel hyperthermia applicator system allows adaptive treatment planning: Preliminary clinical results in tumour-bearing animals.** *Vet Comp Oncol* 2018, 16(2):202-213. IF 2.3

ZENTRUM FÜR NOTFALLMEDIZIN

Notfallzentrum KSA

Conca A, Gabele A, Reutlinger B, Schuetz P, Kutz A, Haubitz S, Faessler L, Batschwaroff M, Schild U, Caldara Z, Regez K, Schirlo S, Vossler G, Kahles T, Nedeltchev K, Keller A, Huber A, De Geest S, Buergi U, Tobias P, Louis Simonet M, Mueller B, Schafer-Keller P: **Prediction of post-acute care demand in medical and neurological inpatients: diagnostic assessment of the post-acute discharge score – a prospective cohort study.** *BMC health services research* 2018, 18(1):111. IF 1.8