

Institut für Labormedizin

Publikationen 2020

Hammerer-Lercher A, Namdar M, Vuilleumier N. Emerging biomarkers for cardiac arrhythmias. *Clin Biochem.* 2020; 75: 1-6 (IF 2019: 2.573)

Langlois MR, Nordestgaard BG, Langsted A, Chapman MJ, Aakre KM, Baum H, Borén J, Bruckert E, Catapano A, Cobbaert C, Collinson P, Descamps OS, Duff CJ, von Eckardstein A, **Hammerer-Lercher A**, Kamstrup PR, Kolovou G, Kronenberg F, Mora S, Pulkki K, Remaley AT, Rifai N, Ros E, Stankovic S, Stavljenic-Rukavina A, Sypniewska G, Watts GF, Wiklund O, Laitinen P; European Atherosclerosis Society (EAS) and the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Joint Consensus Initiative. Quantifying atherogenic lipoproteins for lipid-lowering strategies: consensus-based recommendations from EAS and EFLM. *Clin Chem Lab Med.* 2020; 58(4): 496-517 (IF 2019: 3.595)

Prause LW, Manka L, Millan C, Lang E, Wyler SF, Grobholz R, **Hammerer-Lercher A**, Sulser T, Recker F, Kwiatkowski M, Eberli D. Influence of regular aspirin intake on PSA values, prostate cancer incidence and overall survival in a prospective screening trial (ERSPC Aarau). *World J Urol.* 2020; 38(10): 2485-2491 (IF 2019: 3.217)

Nordestgaard BG, Langlois MR, Langsted A, Chapman MJ, Aakre KM, Baum H, Borén J, Bruckert E, Catapano A, Cobbaert C, Collinson P, Descamps OS, Duff CJ, von Eckardstein A, **Hammerer-Lercher A**, Kamstrup PR, Kolovou G, Kronenberg F, Mora S, Pulkki K, Remaley AT, Rifai N, Ros E, Stankovic S, Stavljenic-Rukavina A, Sypniewska G, Watts GF, Wiklund O, Laitinen P; European Atherosclerosis Society (EAS) and the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Joint Consensus Initiative. Quantifying atherogenic lipoproteins for lipid-lowering strategies: Consensus-based recommendations from EAS and EFLM. *Atherosclerosis.* 2020; 294: 46-61 (IF 2019: 3.919)

De Wolf HA, Langlois MR, Suvisaari J, Aakre KM, Baum H, Collinson P, Duff CJ, Gruson D, **Hammerer-Lercher A**, Pulkki K, Stankovic S, Stavljenic-Rukavina A, Laitinen P; EFLM Task Group on Cardiac Markers. How well do laboratories adhere to recommended guidelines for dyslipidaemia management in Europe? The CArdiac MARker Guideline Uptake in Europe (CAMARGUE) study. *Clin Chim Acta.* 2020; 508: 267-272 (IF 2019: 2.615)

Bernasconi L, Oberle M, Gisler V, Ottiger C, Fankhauser H, Schuetz P, Fux CA, Hammerer-Lercher A. Diagnostic performance of a SARS-CoV-2 IgG/IgM lateral flow immuno-chromatography assay in symptomatic patients presenting to the emergency department. *Clin Chem Lab Med.* 2020; 58(9): e159-e161 (IF 2019: 3.595)

Gregoriano C, Koch D, Haubitz S, Conen A, Fux CA, Mueller B, **Bernasconi L, Hammerer-Lercher A, Oberle M**, Burgermeister S, Reiter H, Kutz A, Schuetz P. Characteristics, predictors and outcomes among 99 patients hospitalised with COVID-19 in a tertiary care centre in Switzerland: an observational analysis. *Swiss Med Wkly.* 2020; 150: w20316 (IF 2019: 1.822)

Amplatz B, Sarg B, Fasel K, **Hammerer-Lercher A**, Mair J, Lindner HH. Exposing the High Heterogeneity of Circulating Pro B-Type Natriuretic Peptide Fragments in Healthy Individuals and Heart Failure Patients. *Clin Chem.* 2020; 66(9): 1200-1209 (IF 2019: 7.292)



Hammerer-Lercher A, Gruson D, Stankovic S, Collinson P, Suvisaari J, Pulkki K, Duff CJ, Baum H, Stavljenic-Rukavina A, Aakre KM, Langlois MR, Laitinen P; EFILM Task Group Cardiac Markers. Update on current practice in laboratory medicine in respect of natriuretic peptide testing for heart failure diagnosis and management in Europe. The CARDiac MArker guideline Uptake in Europe (CARMAGUE) study. *Clin Chim Acta.* 2020; 511: 59-66 (IF 2019: 2.615)

Puelacher C, Gualandro DM, Lurati Buse G, Bolliger D, Marbot S, Kindler C, **Hammerer-Lercher A**, Gürke L, Steiner L, Mueller C. Etiology of Peri-Operative Myocardial Infarction/Injury After Noncardiac Surgery and Associated Outcome. *J Am Coll Cardiol.* 2020; 76(16): 1910-1912 (IF 2019: 20.589)

Lurati Buse GAL, Puelacher C, Menosi Gualandro D, Genini AS, Hidvegi R, Bolliger D, Arslani K, Steiner LA, Kindler C, Mueller C; BASEL-PMI Investigators. Association between self-reported functional capacity and major adverse cardiac events in patients at elevated risk undergoing noncardiac surgery: a prospective diagnostic cohort study. *Br J Anaesth.* 2021; 126(1): 102-110 (IF 2019: 6.88)

Mayer-Rollnik S, Harms C, **Bernasconi L**, **Hammerer A**, Reiss E, Girard T, Bolliger D. Evaluation of autologous retransfusion from a closed suction drainage system for patient blood management in elective total hip and knee replacement: A two cohort study. *Eur J Anaesth.* 2020; 37(3): 180-186 (IF 2019: 4.5)

Neyer P, **Bernasconi L**, Fuchs JA, Allenspach MD, Steuer C. Derivatization-free determination of short-chain volatile amines in human plasma and urine by headspace gas chromatography-mass spectrometry. *J Clin Lab Anal.* 2020; 34(2): e23062 (IF 2019: 1.54)

Boerlin A, Luescher T, Becker C, Perrig S, Thommen E, Widmer M, Beck K, Vincent A, Tisljar K, **Bernasconi L**, **Neyer P**, Schuetz P, Sutter R, Marsch S, Hunziker S. Low Plasma Sphingomyelin Levels Show a Weak Association with Poor Neurological Outcome in Cardiac Arrest Patients: Results from the Prospective, Observational COMMUNICATE Trial. *J Clin Med.* 2020; 9(4): 897

Widmer M, Thommen EB, Becker C, Beck K, Vincent AM, Perrig S, Keller A, **Bernasconi L**, **Neyer P**, Marsch S, Pargger H, Sutter R, Tisljar K, Hunziker S. Association of acyl carnitines and mortality in out-of-hospital-cardiac-arrest patients: Results of a prospective observational study. *J Crit Care.* 2020; 58: 20-26 (IF 2019: 2.685)

Herzog N, Laager R, Thommen E, Widmer M, Vincent AM, Keller A, Becker C, Beck K, Perrig S, **Bernasconi L**, **Neyer P**, Marsch S, Schuetz P, Sutter R, Tisljar K, Hunziker S. Association of Taurine with In-Hospital Mortality in Patients after Out-of-Hospital Cardiac Arrest: Results from the Prospective, Observational COMMUNICATE Study. *J Clin Med.* 2020; 9(5): 1405

Hochstrasser SR, Metzger K, Vincent AM, Becker C, Keller AKJ, Beck K, Perrig S, Tisljar K, Sutter R, Schuetz P, **Bernasconi L**, **Neyer P**, Marsch S, Hunziker S. Trimethylamine-N-oxide (TMAO) predicts short- and long-term mortality and poor neurological outcome in out-of-hospital cardiac arrest patients. *Clin Chem Lab Med.* 2020; 59(2): 393-402 (IF 2019: 3.595)

Keller A, Becker C, Nienhaus K, Beck K, Vincent A, Sutter R, Tisljar K, Schuetz P, **Bernasconi L**, **Neyer P**, Pargger H, Marsch S, Hunziker S. Arginine and Arginine/ADMA Ratio



Predict 90-Day Mortality in Patients with Out-of-Hospital Cardiac Arrest-Results from the Prospective, Observational COMMUNICATE Trial. *J Clin Med.* 2020; 9(12): 3815

Boehlen R, **Fernandez P**, Bargetzi M, Sigle JP. A new protocol for improving efficiency of autologous peripheral blood stem cell collection in patients with high white blood cell counts. *J Clin Apher.* 2020; 35(3): 217-223 (IF 2019: 1.629)

Bras AE, Osmani Z, de Haas V, Jongen-Lavencic M, Te Marvelde JG, Zwaan CM, Mejstrikova E, **Fernandez P**, Szczeplanski T, Orfao A, van Dongen JJM, van der Velden VHJ. Standardised immunophenotypic analysis of myeloperoxidase in acute leukaemia. *Br J Haematol.* 2020. Online ahead of print (IF 2019: 5.518)

Muñoz-García N, Jara-Acevedo M, Caldas C, Bárcena P, López A, Puig N, Alcoceba M, **Fernández P**, Villamor N, Flores-Montero JA, Gómez K, Lemes MA, Hernández JC, Álvarez-Twose I, Guerra JL, González M, Orfao A, Almeida J. STAT3 and STAT5B Mutations in T/NK-Cell Chronic Lymphoproliferative Disorders of Large Granular Lymphocytes (LGL): Association with Disease Features. *Cancers (Basel).* 2020; 12(12): 3508 (IF 2019: 6.3)

Nickler M, Haubitz S, **Méndez A**, Gissler M, Stierli P, Kieback A. Phlegmasia cerulea dolens - an uncommon but alarming manifestation of deep vein thrombosis. *Vasa.* 2020; 49(5): 422-426 (IF 2019: 1.831)

Wyss G, Berger S, Haubitz S, **Fankhauser H**, Buergi U, Mueller B, Schuetz P, Fux CA, Conen A. The Shapiro-Procalcitonin algorithm (SPA) as a decision tool for blood culture sampling: validation in a prospective cohort study. *Infection.* 2020; 48(4): 523-533 (IF 2019: 3.04)

Bertisch B, Brezzi M, Negro F, Müllhaupt B, **Ottiger C**, Künzler-Heule P, Schmid P, Giudici F, Clerc O, Moriggia A, Roelens M, Marinucci F, Zehnder C, Moradpour D, Keiser O; Swiss Hepatitis C Cohort Study. Very Low Hepatitis C Viral Loads in Treatment-naïve Persons: Do They Compromise Hepatitis C Virus Antigen Testing? *Clin Infect Dis.* 2020; 70(4): 653-659 (IF 2019: 8.313)

Haubitz S, Bartlomé N, Bucheli Laffer E, Spelters C, **Fankhauser H**, Fux CA. Outcome of Clostridioides difficile infections treated in a Swiss tertiary care hospital: an observational study. *Swiss Med Wkly.* 2020; 150: w20173 (IF 2019: 1.822)

Légeret C, Rüttimann C, Furlano RI, Ruf T, Poppert S, **Fankhauser H**, Köhler H. Blasto-cystis in Swiss children: a practical approach. *Eur J Pediatr.* 2020; 179(6): 979-984 (IF 2019: 2.305)

Gisler V, Dürr S, Irincheeva I, Limacher A, Droz S, Carrel T, Englberger L, Sendi P. Duration of Pre-Operative Antibiotic Treatment and Culture Results in Patients With Infective Endocarditis. *J Am Coll Cardiol.* 2020; 76(1): 31-40 (IF 2019: 20.589)

Speidel V, Conen A, **Gisler V**, Fux CA, Haubitz S. Lung Assessment with Point-of-Care Ultrasound in Respiratory Coronavirus Disease (COVID-19): A Prospective Cohort Study. *Ultrasound Med Biol.* 2020; S0301-5629(20)30576-7. Online ahead of print (IF 2019: 2.514)

Aune ET, Diepeveen LE, Laarakkers CM, Klaver S, Armitage AE, Bansal S, Chen M, Fillet M, Han H, Herkert M, Itkonen O, van de Kerkhof D, Krygier A, Lefebvre T, **Neyer P**, Rieke M, Tomosugi N, Weykamp CW, Swinkels DW. Optimizing hepcidin measurement with a



proficiency test framework and standardization improvement. Clin Chem Lab Med. 2020; 59(2): 315-323 (IF 2019: 3.595)

Speth MM, Singer-Cornelius T, **Oberle M**, Gengler I, Brockmeier SJ, Sedaghat AR. Olfactory Dysfunction and Sinonasal Symptomatology in COVID-19: Prevalence, Severity, Timing, and Associated Characteristics. Otolaryngol Head Neck Surg. 2020; 163(1): 114-120 (IF 2019: 2.341)

Speth MM, Singer-Cornelius T, **Oberle M**, Gengler I, Brockmeier SJ, Sedaghat AR. Mood, Anxiety and Olfactory Dysfunction in COVID-19: Evidence of Central Nervous System Involvement? Laryngoscope. 2020; 130(11): 2520-2525 (IF 2019: 2.465)

