

Publikationen

■ Originalarbeiten

1. Abächerli R, Twerenbold R2, Boeddinghaus J2, Nestelberger T2, Mächler P2, Sassi R3, Rivolta MW3, Roon izi EK3, Mainardi LT4, Kozhuharov N5, Rubini Giménez M2, Wildi K2, Grimm K2, Sabti Z2, Hillinger P2, Puelacher C2, Strebel I2, Cupa J2, Badertscher P2, Roux I2, Schmid R6, Leber R6, Osswald S2, Mueller C, Reichlin T. Diagnostic and prognostic values of the V-index, a novel ECG marker quantifying spatial heterogeneity of ventricular repolarization, in patients with symptoms suggestive of non-ST-elevation myocardial infarction. *Int J Cardiol*. 2017. Impact Factor 6.189

2. Aimo A, Vergaro G, Ripoli A, Bayes-Genis A, Pascual Figal DA, de Boer RA, Lassus J, Mebazaa A, Gayat E, Breidhardt T, Sabti Z, Mueller C, Brunner-La Rocca HP, Tang WH, Grodin JL, Zhang Y, Bettencourt P, Maisel AS, Passino C, Januzzi JL, Emdin M.

3. Akoudad S, Dabiri Abkenari L, Schaer BA, Sticherling C, Levy WC, Jordaens L, Theuns DA. Comparison of multivariate risk estimation models to predict prognosis in patients with implantable cardioverter defibrillators with and without cardiac resynchronization therapy. *Am J Cardiol* 2017. Impact Factor 3.398

4. Ambavane A, Lindahl B, Giannitis E, Roiz J, Mendivil J, Frankenstein L, Body R, Christ M, Bingisser R, Alquezar A, Mueller C; TRAPID-AMI investigators. Economic evaluation of the one-hour rule-out and rule-in algorithm for acute myocardial infarction using the high-sensitivity cardiac troponin T assay in the emergency department. *PLoS One*. 2017. Impact Factor 2.806

5. Asgar A, Chandrasekhar J, Mikhail G, Webb J, Lefèvre T, Tamburino C, Hildick-Smith D, Hambrecht R, Van Belle E, Widder J, Dumonteil N, Hink U, Jeger R, Linke A, Deliaris E, Gao P, Mehran R, Hengstenberg C, Anthonopoulos P, Dangas G; BRAVO-3 Investigators. Sex-based differences in outcomes with bivalirudin or unfractionated heparin for transcatheter aortic valve replacement: Results from the BRAVO-3 randomized trial. *Catheter Cardiovasc Interv*. 2017. Impact Factor 2.602

6. Bahrman P, Bertsch T, Giannitsis E, Christ M, Hofner B, Christenson R, Lindahl B, Mueller C. Quantification of Renal Function and Cardiovascular Mortality in Patients Admitted to the Emergency Department with Suspected Acute Coronary Syndromes. *Clin Lab*. 2017. Impact Factor 0.840

7. Beri N, Marston NA, Daniels LB, Nowak RM, Schreiber D, Mueller C, Jaffe A, Diercks DB, Wettersten N, DeFilippi C, Peacock WF, Limkakeng AT, Anand I, McCord J, Hollander JE, Wu AH, Apple FS, Nagurney JT, Berardi C, Cannon CM, Clopton P, Neath SX, Christenson RH, Hogan C, Vilke G, Maisel A. Necessity of hospitalization and stress testing in low risk chest pain patients. *Am J Emerg Med*. 2017. Impact Factor 1.494

8. Blum S, Muff C, Aeschbacher S, Ammann P, Erne P, Moschovitis G, Di Valentino M, Shah D, Schläpfer J, Fischer A, Merkel T, Kühne M, Sticherling C, Osswald S, Conen D. Prospective assessment of sex-related differences in symptom status and health perception among patients with atrial fibrillation. *J Am Heart Assoc* 2017. Impact Factor 4.425

9. Boeddinghaus J, Nestelberger T, Twerenbold R, Wildi K, Badertscher P, Cupa J, Bürge T, Mächler P, Corbière S, Grimm K, Giménez MR, Puelacher C, Shrestha S, Flores Widmer D, Fuhrmann J, Hillinger P, Sabti Z, Honegger U, Schaerli N, Kozhuharov N, Rentsch K, Miró Ö, López B, Martin-Sanchez FJ, Rodriguez-Adrada E, Morawiec B, Kawecki D, Ganovsk E, Parenica J, Lohrmann J, Kloos W, Buser A, Geigy N, Keller DI, Osswald S, Reichlin T, Mueller C. Direct Comparison of 4 Very Early Rule-Out Strategies for Acute Myocardial Infarction Using High-Sensitivity Cardiac Troponin I. *Circulation*. 2017 Impact Factor 19.309

10. Boeddinghaus J, Reichlin T, Nestelberger T, Twerenbold R, Meili Y, Wildi K, Hillinger P, Giménez MR, Cupa J, Schumacher L, Schuber M, Badertscher P, Corbière S, Grimm K, Puelacher C, Sabti Z, Widmer DF, Schaerli N, Kozhuharov N, Shrestha S, Bürge T, Mächler P, Büchi M, Rentsch K, Miró Ö, López B, Martin-Sanchez FJ, Rodriguez-Adrada E, Morawiec B, Kawecki D, Ganovsk E, Parenica J, Lohrmann J, Buser A, Keller DI, Osswald S, Mueller C. Early Diagnosis of Acute Myocardial Infarction in Patients with Mild Elevations of Cardiac Troponin. *Clin Res Cardiol* 2017. Impact Factor 4.760

11. Bossard M, Knecht S, Aeschbacher S, Buechel R, Hochgruber T, Zimmermann A, Kessel-Schaefer A, Stephan FP, Voellmin G, Pradella M, Sticherling C, Osswald S, Kaufmann B, Conen D, Kühne M. Conventional versus 3D-echocardiography to predict arrhythmia recurrence after atrial fibrillation ablation. *J Cardiovasc Electrophysiol* 2017. Impact Factor 3.068

12. Bossard M, Thériault S, Aeschbacher S, Schoen T, Kunz S, von Rotz M, Estis J, Todd J, Risch M, Mueller C, Risch L, Paré G, Conen D. Factors independently associated with cardiac troponin I levels in young and healthy adults from the general population. *Clin Res Cardiol* 2017. Impact Factor 4.760

13. Breidhardt T, Sabti Z, Ziller R, Rassouli F, Twerenbold R, Kozhuharov N, Gayat E, Shrestha S, Barata S, Badertscher P, Boeddinghaus J, Nestelberger T, Mueller C. Diagnostic and prognostic value of cystatin C in acute heart failure. *Clin Biochem*. 2017. Impact Factor 2.434

14. Breidhardt T, Moreno-Weidmann Z, Uthoff H, Sabti Z, Appeli S, Puelacher C, Stallone F, Twerenbold R, Wildi K, Kozhuharov N, Wussler D, Flores D, Shrestha S, Badertscher P, Boeddinghaus J, Nestelberger T, Gimenez MR, Staub D, Aschwanden M, Lohrmann J, Pfister O, Osswald S, Mueller C. How accurate is clinical assessment of neck veins in the estimation of central venous pressure in acute heart failure? Insights from a prospective study. *Eur J Heart Fail*. 2018. in press. Impact Factor 6.968

15. Breidhardt T, Weidmann ZM, Twerenbold R, Gantenbein C, Stallone F, Rentsch K, Rubini Gimenez M, Kozhuharov N, Sabti Z, Breitenbücher D, Wildi K, Puelacher C, Honegger U, Wagener M, Schumacher C, Hillinger P, Osswald S, Mueller C. Impact of Haemocentration during Acute Heart Failure Therapy on Mortality and its Relationship with Worsening Renal Function. *Eur J Heart Fail* 2017. Impact Factor 6.968

16. Brenner R, Ammann P, Yoon SI, Christen S, Hellermann J, Girod G, Knaus U, Duru F, Krasniqi N, Ramsay D, Sticherling C, Lippuner, Kühne M. Reduction of falls and fractures after permanent pacemaker implantation in elderly patients with sinus node dysfunction. *Europace* 2017. Impact Factor 4.530

17. Burri H, Müller H, Kobza R, Sticherling C, Ammann P, Zerlik H, Stettler C, Klersy C, Prinzen A, Auricchio A. Right versus left apical transvenous pacing for bradycardia: results of the RIVELA randomized study. *Ind Pacing Electrophysiol J*.

18. Burkard T, Winterhalder C, Leonardi L., Maseli A, Schoen T, Eckstein J, Vischer AS. Missed arterial hypertension by office blood pressure measurement measured according to the NICE 2011 guidelines - Results from the iPARR trial. *Journal of Hypertension* 2017. Impact Factor 4.085

19. Caobelli F*, Haaf P*, Chronis J, Haenny G, Brinkert M, Pfisterer ME, Zellweger MJ; Basel Asymptomatic High-Risk Diabetics Outcome Trial (BARDOT) Investigators. Prognostic Usefulness of Cardiac Stress Test Modalities in Patients With Type 2 Diabetes Mellitus Who Underwent Myocardial Perfusion Scintigraphy (from the Basel Asymptomatic High-Risk Diabetics Outcome Trial). *Am J Cardiol*. 2017. Impact Factor 3.398

20. Celikyurt U, Knecht S, Kuehne M, Reichlin T, Muehl A, Osswald S, Sticherling C. Incidence of new-onset atrial fibrillation after cavotricuspid isthmus ablation for atrial flutter. *Europace* 2017. Impact Factor 4.530

21. Chapman A, Anand A, Boeddinghaus J, Ferry AV, Sandeman D, Adamson PD, Andrews J, Tan S, Cheng SF, D'Souza M, Orme K, Strachan FE, Nestelberger T, Twerenbold R, Badertscher P, Reichlin T, Gray A, Shah ASV, Mueller C, Newby DE, Mills NL. Comparison of the efficacy and safety of early rule out pathways for acute myocardial infarction. *Circulation* 2017. Impact Factor 19.309

22. Chapman AR, Lee KK, McAllister DA, Cullen L, Greenslade JH, Parsonage W, Worster A, Kavsak PA, Blankenberg S, Neumann J, Sörensen NA, Westermann D, Buijs MM, Verdel GJE, Pickering JW, Than MP, Twerenbold R, Badertscher P, Sabti Z, Mueller C, Anand A, Adamson P, Strachan FE, Ferry A, Sandeman D, Gray A, Body R, Keevil B, Carlton E, Greaves K, Korley FK, Metkus TS, Sandoval Y, Apple FS, Newby DE, Shah ASV, Mills NL. Association of High-Sensitivity Cardiac Troponin I Concentration With Cardiac Outcomes in Patients With Suspected Acute Coronary Syndrome. *JAMA*. Review. Impact Factor 44.405

23. Cerino G, Gaudiello E, Muraro MG, Eckstein F, Martin I, Scherberich A, Marsano A. Engineering of an angiogenic niche by perfusion culture of adipose-derived stromal vascular fraction cells. *Sci Rep*. 2017. Impact Factor 4.259

24. Conen D, Rodondi N, Mueller A, Beer J, Auricchio A, Ammann P, Hayoz D, Kobza R, Moschovitis G, Shah D, Schlaepfer J, Novak J, di Valentino M, Erne P, Sticherling C, Bonati L, Ehret G, Roten L, Fischer U, Monsch A, Stippich C, Wuerfel J, Schwenkglens M, Kuehne M, Osswald S. Design of the Swiss Atrial Fibrillation Cohort Study (Swiss-AF): structural brain damage and cognitive decline among patients with atrial fibrillation. *Swiss Med Wkly* 2017. Impact Factor 1.654

Publikationen

25. De Boeck BW, Toma A, Kiencke S, Dehnert C, Zügel S, Siebenmann C, Auinger K, Buser PT, Maggiorini M, Kaufmann BA. Altered left ventricular geometry and torsional mechanics in high altitude-induced pulmonary hypertension: a 3D echocardiographic study. *J Am Soc Echocardiogr. Impact Factor 6.852*

26. De Maria GL, Alkhalil M, Wolfrum M, Fahrni G, Borlotti A, Gaughran L, Dawkins S, Langrish JP, Lucking AJ, Choudhury RP, Porto I, Crea F, Dall'Armellina E, Channon KM, Kharbada RK, Banning AP. The ATI score (age-thrombus burden-index of microcirculatory resistance) determined during primary percutaneous coronary intervention predicts final infarct size in patients with ST-elevation myocardial infarction: a cardiac magnetic resonance validation study. *EuroIntervention. 2017. Impact Factor 5.165*

27. De Maria GL, Patel N, Wolfrum M, Fahrni G, Kassimis G, Porto I, Dawkins S, Choudhury RP, Forfar JC, Prendergast BD, Channon KM, Kharbada RK, Garcia-Garcia HM, Banning AP. The influence of coronary plaque morphology assessed by optical coherence tomography on final microvascular function after stenting in patients with ST-elevation myocardial infarction. *Coron Artery Dis. 2017. Impact Factor 1.823*

28. De Waard GA, Fahrni G, de Wit D, Kitabata H, Williams R, Patel N, Teunissen PF, van de Ven PM, Umman S, Knaapen P, Perera D, Akasaka T, Sezer M, Kharbada RK, van Royen N. Hyperaemic microvascular resistance predicts clinical outcome and microvascular injury after myocardial infarction. *Heart. 2017. Impact Factor 6.059*

29. Dobson LE, Musa TA, Uddin A, Fairbairn TA, Bebb OJ, Swoboda PP, Haaf P, Foley J, Garg P, Fent GJ, Malkin CJ, Blackman DJ, Plein S, Greenwood JP. The impact of trans-catheter aortic valve replacement induced left-bundle branch block on cardiac reverse remodeling. *J Cardiovasc Magn Reson. Impact Factor 5.601*

30. Faggioni M, Baber U, Afshar AE, Giustino G, Sartori S, Sorrentino S, Steg PG, Stefanini GG, Windecker S, Leon MB, Stone GW, Wijns W, Serruys PW, Valgimigli M, Camenzind E, Weisz G, Smits PC, Kandzari DE, Galatius S, Von Birgelen C, Jeger RV, Mikhail GW, Itchhaporia D, Mehta L, Ortega R, Kim HS, Kastrati A, Chieffo A, Dangas GD, Morice MC, Mehran R. Effects of Body Mass Index on Clinical Outcomes in Female Patients Undergoing Percutaneous Coronary Intervention With Drug-Eluting Stents: Results From a Patient-Level Pooled Analysis of Randomized Controlled Trials. *JACC Cardiovasc Interv. 2017. Impact Factor 8.841*

31. Fahrni G, Wolfrum M, De Maria GL, Cuculi F, Dawkins S, Alkhalil M, Patel N, Forfar JC, Prendergast BD, Choudhury RP, Channon KM, Banning AP, Kharbada RK. Index of Microcirculatory Resistance at the Time of Primary Percutaneous Coronary Intervention Predicts Early Cardiac Complications: Insights From the OxAMI (Oxford Study in Acute Myocardial Infarction) Cohort. *J Am Heart Assoc. 2017. Impact Factor 5.117*

32. Ferko N, Ferrante G, Hasegawa JT, Schikorr T, Soleas IM, Hernandez JB, Sabaté M, Kaiser C, Brugaletta S, de la Torre Hernandez JM, Galatius S, Cequier A, Eberli F, de Belder A, Serruys PW, Valgimigli M. Cost-effectiveness of percutaneous coronary intervention with cobalt-chromium everolimus eluting stents versus bare metal stents: Results from a patient level meta-analysis of randomized trials. *Catheter Cardiovasc Interv. 2017. Impact Factor 2.602*

33. Fischer A, Bossard M, Aeschbacher S, Egli P, Cordewener C, Estis J, Todd J, Risch M, Risch L, Conen D., Plasma levels of endothelin-1 and renal function among young and healthy adults. *Clin Chem Lab Med 2017. Impact Factor*

34. Gaudiello E, Melly L, Cerino G, Boccardo S, Jalili-Firoozinezhad S, Xu L, Eckstein F, Martin I, Kaufmann BA, Banfi A, Marsano A. Scaffold Composition Determines the Angiogenic Outcome of Cell-Based Vascular Endothelial Growth Factor Expression by Modulating Its Microenvironmental Distribution. *Adv Healthc Mater. 2017. Impact Factor 5.110*

35. Garg P, Broadbent DA, Swoboda PP, Foley JRJ, Fent GJ, Musa TA, Ripley DP, Erhayiem B, Dobson LE, McDiarmid AK, Haaf P, Kidambi A, van der Geest RJ, Greenwood JP, Plein S. Acute Infarct Extracellular Volume Mapping to Quantify Myocardial Area at Risk and Chronic Infarct Size on Cardiovascular Magnetic Resonance Imaging. *Circ Cardiovasc Imaging. 2017. Impact Factor 6.803*

36. Garg P, Broadbent DA, Swoboda PP, Foley JRJ, Fent GJ, Musa TA, Ripley DP, Erhayiem B, Dobson LE, McDiarmid AK, Haaf P, Kidambi A, Crandon S, Chew PG, van der Geest RJ, Greenwood JP, Plein S. Extra-cellular expansion in the normal, non-infarcted myocardium is associated with worsening of regional myocardial function after acute myocardial infarction. *J Cardiovasc Magn Reson. 2017. Impact Factor 5.601*

37. Garg P, Kidambi A, Swoboda PP, Foley JR, Musa TA, Ripley DP, Erhayiem B, Dobson LE, McDiarmid AK, Fent GJ, Haaf P, Greenwood JP, Plein S. The role of left ventricular deformation in the assessment of microvascular obstruction and intramyocardial haemorrhage. *Int J Cardiovasc Imaging. 2017. Impact Factor 1.896*

38. Gayat E, Arrigo M, Littnerova S, Sato N, Parenica J, Ishihara S, Spinar J, Müller C, Harjola VP, Lassus J, Miró Ò, Maggioni AP, AlHabib KF, Choi DJ, Park JJ, Zhang Y, Zhang J, Januzzi JL Jr, Kajimoto K, Cohen-Solal A, Mebazaa A; GREAT Network. Heart failure oral therapies at discharge are associated with better outcome in acute heart failure: a propensity-score matched study. *Eur J Heart Fail 2017. Impact Factor 6.968*

39. Giustino G, Harari R, Baber U, Sartori S, Stone GW, Leon MB, Windecker S, Serruys PW, Kastrati A, Von Birgelen C, Kimura T, Stefanini GG, Dangas GD, Wijns W, Steg PG, Morice MC, Camenzind E, Weisz G, Smits PC, Sorrentino S, Sharma M, Farhan S, Faggioni M, Kandzari D, Galatius S, Jeger RV, Valgimigli M, Itchhaporia D, Mehta L, Kim HS, Chieffo A, Mehran R. Long-term Safety and Efficacy of New-Generation Drug-Eluting Stents in Women With Acute Myocardial Infarction: From the Women in Innovation and Drug-Eluting Stents (WIN-DES) Collaboration. *JAMA Cardiol. 2017*

40. Grapow M, Haug M, Tschung C, Winkler B, Banerjee P, Heinisch PP, Fassl J, Reuthebuch O, Eckstein F. Therapy options in deep sternal wound infection: Sternal plating versus muscle flap. *PLoS One. 2017. Impact Factor 2.806*

41. Greenslade JH, Adikari T, Mueller C, Sandoval Y, Nestelberger T, Parsonage W, Hawkins T, Cullen L. Characteristics and occurrence of type 2 myocardial infarction in emergency department patients: a prospective study. *Emerg Med J. 2017. Impact Factor 1.861*

42. Gualandro DM, Puelacher C, Lurati Buse G, Llobet GB, Yu PC, Cardozo FA, Glarner N, Zimmerli A, Espinola J, Corbière S, Calderaro D, Marques AC, Casella IB, de Luccia N, Oliveira MT, Lampart A, Bolliger D, Steiner L, Seeberger M, Kindler C, Osswald S, Gärke L, Caramelli B, Mueller C; GREAT network. Prediction of major cardiac events after vascular surgery. *J Vasc Surg. 2017. Impact Factor 3.545*

43. Günther F, Heidt T, Kramer M, Khanicheh E, Klivanov AL, Geibel-Zehender A, Ferrante EA, Hilgendorf I, Wolf D, Zirikli A, Reinöhl J, Bode C, Peter K, Kaufmann BA*, Mühlen CVZ*. Dual targeting improves capture of ultrasound microbubbles towards activated platelets but yields no additional benefit for imaging of arterial thrombosis. *Sci Rep. 2017. Impact Factor 4.259*

44. Haaf P, Ritter M, Grize L, Pfisterer ME, Zellweger MJ; BARDOT study group. Quality of life as predictor for the development of cardiac ischemia in high-risk asymptomatic diabetic patients. *J Nucl Cardiol. 2017. Impact Factor 3.930*

45. Hengstenberg C, Chandrasekhar J, Sartori S, Lefevre T, Mikhail G, Meneveau N, Tron C, Jeger R, Kupatt C, Vogel B, Farhan S, Sorrentino S, Sharma M, Snyder C, Husser O, Boekstegers P, Hambrecht R, Widder J, Hildick-Smith D, De Carlo M, Wijngaard P, Delargyris E, Bernstein D, Baber U, Mehran R, Anthopoulos P, Dangas G; BRAVO-3 Investigators. Impact of pre-existing or new-onset atrial fibrillation on 30-day clinical outcomes following transcatheter aortic valve replacement: Results from the BRAVO 3 randomized trial. *Catheter Cardiovasc Interv. 2017. Impact Factor 2.602*

46. Herrero-Puente P, Prieto-García B, García-García M, Llorens P, Martín-Sánchez FJ, Jacob J, Mebazaa A, Mueller C, Maisel AS, Gil V, Garcia-Hernandez P, Miró Ò. The relationship of circulating relaxin-2 concentrations with short-term prognosis in patients with acute heart failure. The RELAHF study. *Eur J Heart Fail 2017 [Epub ahead of print]. Impact Factor 6.968*

47. Hillinger P, Twerenbold R, Wildi K, Rubini Gimenez M, Jaeger C, Boeddinghaus J, Nestelberger T, Grimm K, Reichlin T, Stallone F, Puelacher C, Sabti Z, Kozuharov N, Honegger U, Ballarino P, Miro O, Denhaerynck K, Ekrem T, Kohler C, Bingisser R, Osswald S, Mueller C. Gender-specific Uncertainties in the Diagnosis of Acute Coronary Syndrome. *Clin Res Cardiol 2017. Impact factor 4.8*

48. Iglesias JF, Muller O, Zaugg S, Roffi M, Kurz DJ, Vuilliminet A, Weilenmann D, Kaiser C, Taponnier M, Heg D, Valgimigli M, Eeckhout E, Jüni P, Windecker S, Pilgrim T. A comparison of an ultrathin strut biodegradable polymer sirolimus-eluting stent with a durable polymer everolimus-eluting stent for patients with acute stsegment elevation myocardial infarction undergoing primary percutaneous coronary intervention: rationale and design of the BIOSTEMI trial. *Eurointervention 2017. Impact Factor 5.165*

49. Jacob J, Roset A, Miró Ò, Alquézar A, Herrero P, Martín-Sánchez FJ, Möckel M, Müller C, Llorens P. TROPICA-2 Study. Prognostic value of troponin in patients with acute heart failure treated in Spanish hospital emergency services. *Biomarkers 2017. Impact Factor 2.016*

50. Jatene T, Biering-Sørensen T, Nochioka K, Mangione FM, Hansen KW, Sørensen R, Jensen JS, Jørgensen PG, Jeger R, Kaiser C, Pfisterer M, Galatius S; BASKET-PROVE Investigators. Frequency of Cardiac Death and Stent Thrombosis in Patients With Chronic Obstructive Pulmonary Disease Undergoing Percutaneous Coronary Intervention (from the BASKET-PROVE I and II Trials). *Am J Cardiol 2017. Impact Factor 3.398*

Publikationen

51. Jeger JR, Pfister O, Radovanovic D, Eberli FR, Rickli H, Urban P, Pedrazzini G, Stauffer JC, Nossen J, Erne P, for the AMIS-Plus Investigators (*joint first authorship). Heart failure in patients admitted for acute coronary syndromes: A report from a large national registry. *Clin Cardiol*. 2017. Impact Factor 2.757

52. Jekova I, Krasteva V, Leber R, Schmid R, Twerenbold R, Müller C, Reichlin T, Abächerli R. A Correction Formula for the ST Segment Measurements for the AC-coupled Electrocardiograms. *IEEE Transactions on Biomedical Engineering* 2017. Impact Factor 1,29.

53. Jekova I, Krasteva V, Leber R, Schmid R, Twerenbold R, Müller C, Reichlin T, Abächerli R. *IBiomedical Signal Processing and Control* 2017; in press. Impact Factor 1.521.

54. Kaier TE, Twerenbold R, Puelacher C, Marjot J, Imambaccus N, Boeddinghaus J, Nestelberger T, Badertscher P, Sabti Z, Giménez MR, Wildi K, Hillinger P, Grimm K, Loeffel S, Shrestha S, Widmer DF, Cupa J, Kozuharov N, Miró Ó, Martín-Sánchez FJ, Morawiec B, Rentsch K, Lohrmann J, Kloos W, Osswald S, Reichlin T, Weber E, Marber M, Mueller C. Direct comparison of cardiac myosin-binding protein C to cardiac troponins for the early diagnosis of acute myocardial infarction. *Circulation* 2017. Impact Factor 19.309

55. Knecht S, Burch F, Reichlin T, Spies F, Mühl A, Altmann D, Ammann P, Schaer B, Osswald S, Sticherling C, Kühne M. First clinical experience of a dedicated irrigated-tip radiofrequency ablation catheter for the ablation of cavotricuspid isthmus-dependent atrial flutter. *Clin Res Cardiol* 2017. Impact Factor 4.760

56. Knecht S, Pradella M, Reichlin T, Mühl A, Bossard M, Stieltjes B, Conen D, Bremerich J, Osswald S, Kühne M, Sticherling C. Left atrial anatomy, atrial fibrillation burden and P-wave duration - relationships and predictors for single procedure success after pulmonary vein isolation. *Europace* 2017. Impact Factor 4.521

57. Knecht S, Sticherling C, Reichlin T, Mühl A, Pavlovic N, Schaer B, Osswald S, Kühne M. Reliability of luminal oesophageal temperature monitoring during radiofrequency ablation of atrial fibrillation: insights from probe visualization and oesophageal reconstruction using magnetic resonance imaging. *Europace* 2017. Impact Factor 4.521

58. Kofler T, Thériault S, Bossard M, Aeschbacher S, Bernet S, Krisai P, Blum S, Risch M, Risch L, Albert CM, Paré G, Conen D. Relationships of Measured and Genetically Determined Height With the Cardiac Conduction System in Healthy Adults. *Circ Arrhythm Electrophysiol*, 2017. Impact Factor

59. Koskinas KC, Taniwaki M, Rigamonti F, Heg D, Roffi M, Tüller D, Muller O, Vuillomenet A, Cook S, Weilenmann D, Kaiser C, Jams-hidi P, Jüni P, Windecker S, Pilgrim T. Impact of Patient and Lesion Complexity on Long-Term Outcomes Following Coronary Revascularization With New-Generation Drug-Eluting Stents. *Am J Cardiol*. 2017. Impact Factor 3.398

60. Krivoshei L, Weber S, Burkard T, Maseli A, Brasier N, Kühne M, Conen D, Huebner T, Seeck A and Eckstein J. Smart detection of atrial fibrillation. *Europace*. 2017. Impact Factor 4.530

61. Laribi S, Pemberton CJ, Kirwan L, Nouira S, Turkdogan K, Yilmaz MB, Troughton RW, Gayat E, Rivas-Lasarte M, Sadoune M, Sabti Z, Hansconrad E, Motiejunaite J, Plaisance P, Beshiri A, Chen W, Collet C, FitzGerald JM, Mueller C, Launay JM, Richards M, Mebazaa A; GREAT (Global Research on Acute Conditions Team) Network. Mortality and acute exacerbation of COPD: a pilot study on the influence of myocardial injury. *Eur Respir J*. 2017. Impact Factor 10.569

62. Legrand M, Ludes PO, Massy Z, Rossignol P, Parenica J, Park JJ, Ishihara S, AlHabib KF, Maggioni A, Miró Ó, Sato N, Cohen-Solal A, Fairman E, Lassus J, Harjola VP, Mueller C, Peacock FW, Choi DJ, Plaisance P, Spinar J, Kosiborod M, Mebazaa A, Gayat E; GREAT (Global Research on Acute Conditions Team) Network and INI-CRCT (Investigation Network Initiative-Cardiovascular and Renal Clinical Trialists) network. Association between hypo- and hyperkalemia and outcome in acute heart failure patients: the role of medications. *Clin Res Cardiol*. 2017 [Epub ahead of print]. Impact Factor 4.760

63. Lindahl B, Jernberg T, Badertscher P, Boeddinghaus J, Eggers KM, Frick M, Rubini Gimenez M, Linder R, Ljung L, Martinsson A, Melki D, Nestelberger T, Rentsch K, Reichlin T, Sabti Z, Schubera M, Svensson P, Twerenbold R, Wildi K, Mueller C. An algorithm for rule-in and rule-out of acute myocardial infarction using a novel Troponin I assay. *Heart* 2017. Impact Factor 6.059

64. Liu D, Borlotti A, Viliani D, Jerosch-Herold M, Alkhalil M, De Maria GL, Fahrni G, Dawkins S, Wijesurendra R, Francis J, Ferreira V, Piechnik S, Robson MD, Banning A, Choudhury R, Neubauer S, Channon K, Kharbanda R, Dall'Armellina E. CMR Native T1 Mapping Allows Differentiation of Reversible Versus Irreversible Myocardial Damage in ST-Segment-Elevation Myocardial Infarction: An OxAMI Study (Oxford Acute Myocardial Infarction). *Circ Cardiovasc Imaging*. 2017. Impact Factor 6.803

65. Maier A, Plaza-Heck P, Meixner F, Guenther F, Kaufmann BA, Kramer M, Heidt T, Zirlik A, Hilgendorf I, Reinöhl J, Stachon P, Bronsert P, Birkemeyer R, Neudorfer I, Peter K, Bode C, von Zur Mühlen C. A molecular intravascular ultrasound contrast agent allows detection of activated platelets on the surface of symptomatic human plaques. *Atherosclerosis*. 2017. Impact factor 4.239

66. Maseli A, Aeschbacher S, Schoen T, Fischer A, Jung M, Risch M, Risch L, Conen D. Healthy Lifestyle and Blood Pressure Variability in Young Adults. *Am J Hypertens*, 2017. Impact Factor

67. Mangione FM, Biering-Sørensen T, Nochioka K, Jatene T, Silvestre OM, Hansen KW, Sørensen R, Jensen JS, Jorgensen PG, Jeger R, Kaiser C, Pfisterer M, Galatius S. Second generation drug-eluting stents versus bare-metal stents for percutaneous coronary intervention of the proximal left anterior descending artery: An analysis of the BASKET-PROVE I and II trials. *Catheter Cardiovasc Interv*. 2017. [Epub ahead of print] Impact Factor 2.602

68. Martín-Sánchez FJ, Rodríguez-Adrada E, Mueller C, Vidán MT, Christ M, Peacock WF, Rizzi MA, Alquezar A, Piñera P, Lázaro Aragues P, Llorens P, Herrero P, Jacob J, Fernández C, Miró Ó. The effect of frailty on 30-day mortality risk in older patients with acute heart failure attended in the Emergency Department. *Acad Emerg Med J*. 2017. Impact Factor 1.861

69. Matt P, Banerjee P, Grapow M, Rueter F, Schurr U, Siegemund M, Fassl J, Reuthebuch O, Eckstein F. Modified frozen elephant trunk for acute type A aortic dissection: a comparative study with standard repair technique. *Eur J Cardiothorac Surg*. 2017. Impact Factor 3.759

70. Mueller-Hennesen M, Mueller C, Giannitsis E, Biener M, Vafaie M, deFilippi CR, Christ M, Ordóñez-Llanos J, Panteghini M, Plebani M, Verschuren F, Melki D, French JK, Christenson RH, Body R, McCord J, Dinkel C, Katus HA, Lindahl B for the TRAPID-AMI Investigators. Serial Sampling of High-Sensitivity Cardiac Troponin T May Not Be Required for Prediction of Acute Myocardial Infarction Diagnosis in Chest Pain Patients with Highly Abnormal Concentrations at Presentation. *Clin Chemistry* 2017. Impact Factor 8.008

71. McCord J, Cabrera R, Lindahl B, Giannitsis E, Evans K, Nowak R, Frisoli T, Body R, Christ M, deFilippi CR, Christenson RH, Jacobsen F, Alquezar A, Panteghini M, Melki D, Plebani M, Verschuren F, French J, Bendig G, Weiser S, Mueller C; TRAPID-AMI Investigators Prognostic Utility of a Modified HEART Score in Acute Chest Pain Patients. *Circulation: Cardiovascular Quality & Outcomes* 2017. Impact Factor 4.282

72. Miró Ó, González de la Presa B B, Herrero P, Fernández Bonifacio R, Möckel M, Mueller C, Casals G, Sandalinas S, Llorens P, Martín-Sánchez FJ, Jacob J, Bedini JL, Gil V. The GALA study: Relationship between galectin-3 serum levels and short- and long-term outcomes of patients with acute heart failure. *Biomarkers* 2017. [Epub ahead of print]. Impact Factor 2.016

73. Mochizuki M, Lorenz V, Ivanek R, Della Verde G, Gaudiello E, Marsano A, Pfister O, Kuster GM. Polo-like kinase 2 is dynamically regulated to coordinate proliferation and early lineage specification downstream of yes-associated protein 1 in cardiac progenitor cells. *J Am Heart Assoc*. 2017. Impact Factor 5.117

74. Musa TA, Uddin A, Swoboda PP, Fairbairn TA, Dobson LE, Singh A, Garg P, Steadman CD, Erhayiem B, Kidambi A, Ripley DP, McDiarmid AK, Haaf P, Blackman DJ, Plein S, McCann GP, Greenwood JP. Cardiovascular magnetic resonance evaluation of symptomatic severe aortic stenosis: association of circumferential myocardial strain and mortality. *J Cardiovasc Magn Reson*. 2017. Impact Factor 5.601

75. Nazerian P, Mueller C, de Matos Soeiro A, Leidel BA, Salvadeo SAT, Giachino F, Vanni S, Grimm K, Oliveira MT Jr, Pivetta EE, Lupia E, Grifoni S, Morello F; ADVISED Investigators. Diagnostic Accuracy of the Aortic Dissection Detection Risk Score Plus D-Dimer for Acute Aortic Syndromes: The ADVISED Prospective Multicenter Study. *Circulation*. Impact Factor 19.309

76. Nestelberger T, Boeddinghaus J, Badertscher P, Twerenbold R, Wildi K, Breitenbücher D, Sabti Z, Puelacher C, Rubini Giménez M, Kozuharov N, Strebel I, Szargy L, Schneider D, Jann J, du Fay de Lavallaz J, Miró Ó, Martín-Sánchez FJ, Morawiec B, Kawecky D, Muzyk P, Keller DI, Geigy N, Osswald S, Reichlin T, Mueller C; APACE Investigators. Effect of Definition on Incidence and Prognosis of Type 2 Myocardial Infarction *Journal of the American College of Cardiology* 2017. Impact Factor 19.896

77. Ng LL, Squire IB, Jones DJ, Cao TH, Chan DC, Sandhu JK, Quinn PA, Davies JE, Struck J, Hartmann O, Bergmann A, Mebazaa A, Gayat E, Arrigo M, Akiyama E, Sabti Z, Lohrmann J, Twerenbold R, Herrmann T, Schumacher C, Kozuharov N, Mueller C. Proenkephalin, prediction of renal dysfunction and short and longer term prognosis in acute heart failure - a GREAT network study. *J Am Coll Cardiol* 2017. Impact Factor 19.896

Publikationen

78. Noble S, Stortecky S, Heg D, Tueller D, Jeger R, Toggweiler S, Ferrari E, Nietlispach F, Taramasso M, Maisano F, Grünenfelder J, Jüni P, Huber C, Carrel T, Windecker S, Wenaweser P, Roffi M. Comparison of procedural and clinical outcomes with Evolut R versus Medtronic CoreValve: a Swiss TAVI registry analysis. *EuroIntervention*. 2017. Impact Factor 5.165

79. Nochioka K, Biering-Sørensen T, Hansen KW, Sørensen R, Pedersen S, Jørgensen PG, Iversen A, Shimokawa H, Jeger R, Kaiser C, Pfisterer M, Galatus S; BASKET-PROVE Investigators. Long-term outcomes in patients with rheumatologic disorders undergoing percutaneous coronary intervention: a BAseL Stent Kosten-Effektivitäts Trial-PROspective Validation Examination (BASKET-PROVE) sub-study. *Eur Heart J Acute Cardiovasc Care*. 2017

80. Nowak R, Mueller C, Giannitsis E, Christ M, Ordóñez-Llanos J, DeFilippi C, McCord J, Body R, Panteghini M, Jernberg T, Plebani M, Verschuren F, French J, Christenson, Jacobsen G, Dinkel C, Lindahl B.. High sensitivity cardiac troponin T in patients not having an acute coronary syndrome: Results from the TRAPID-AMI study. *Biomarkers* 2017. Impact Factor 2.006

81. Pedrazzini GB, Ferrari E, Zellweger M, Genoni M. Heart Team: Joint Position of the Swiss Society of Cardiology and the Swiss Society of Cardiac Surgery. *Thorac Cardiovasc Surg*. 2017. Impact Factor 4.446

82. Pickering JW, Than MP, Cullen L, Aldous S, Ter Avest E, Body R, Carlton EW, Collinson P, Dupuy AM, Ekelund U, Eggers KM, Florkowski CM, Freund Y, George P, Goodacre S, Greenslade JH, Jaffe AS, Lord SJ, Mokhtari A, Mueller C, Munro A, Mustapha S, Parsons W, Peacock WF, Pemberton C, Richards AM, Sanchis J, Staub LP, Troughton R, Twerenbold R, Wildi K, Young J. Rapid Rule-out of Myocardial Infarction with a High-sensitivity Cardiac Troponin T measurement below the limit of detection: A collaborative meta-analysis. *Ann Intern Med* 2017. [Epub ahead of print]. Impact Factor 17.135

83. Pilgrim T, Franzone A, Stortecky S, Nietlispach F, Haynes AG, Tueller D, Toggweiler S, Muller O, Ferrari E, Noble S, Maisano F, Jeger R, Roffi M, Grünenfelder J, Huber C, Wenaweser P, Windecker S. Predicting Mortality After Transcatheter Aortic Valve Replacement: External Validation of the Transcatheter Valve Therapy Registry Model. *Circ Cardiovasc Interv*. 2017. Impact Factor 7.198

84. Puelacher C, Lurati Buse G, Seeberger D, Szgary 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, for the BASEL-PMI Investigators. Perioperative myocardial injury after non-cardiac surgery: incidence, mortality and characterization. *Circulation* 2017. [Epub ahead of print.] Impact Factor 19.309

85. Puelacher C, Wagener M, Abächerli R, Honegger U, Lhasam N, Schaerli N, Prêtre G, Strebel I, Twerenbold R, Boeddinghaus J, Nestelberger T, Rubini Giménez M, Hillinger P, Wildi K, Sabti Z, Badertscher P, Cupa J, Kozuharov N, du Fay de Lavallaz J, Freese M, Roux I, Lohrmann J, Leber R, Osswald S, Wild D, Zellweger MJ, Mueller C, Reichlin T. Diagnostic value of ST-segment deviations during cardiac exercise stress testing: Systematic comparison of different ECG leads and time-points. *Int J Cardiol* 2017. Impact Factor 6.189

86. Puelacher C, Wagener M, Honegger U, Assadian M, Schaerli N, Mueller D, Strebel I, Twerenbold R, Boeddinghaus J, Nestelberger T, Wildi K, Sabti Z, Szgary L, Badertscher P, du Fay de Lavallaz J, Marbot S, Kaiser C, Wild D, Zellweger MJ, Reichlin T, Mueller C. Combining high-sensitivity cardiac troponin and B-type natriuretic peptide in the detection of inducible myocardial ischemia. *Clin Biochem*. 2017. Impact Factor 2.434.

87. Remy MM, Sahin M, Flatz L, Regen T, Xu L, Kreuzfeldt M, Fallet B, Doras C, Rieger T, Bestmann L, Hanisch UK, Kaufmann BA, Merkler D, Pinschewer DD. Interferon-Driven iNOS: A Molecular Pathway to Terminal Shock in Arenavirus Hemorrhagic Fever. *Cell Host Microbe*. 2017. Impact Factor 14.946.

88. Reusser A, Blum S, Aeschbacher S, Eggimann L, Ammann P, Erne P, Moschovitis G, Di Valentino M, Shah D, Schläpfer J, Manser S, Reichlin T, Kühne M, Sticherling C, Osswald S, Conen D. QTc interval, cardiovascular events and mortality in patients with atrial fibrillation. *Int J Cardiol* 2018, Epub 2017. Impact Factor 6.189

89. Rickenbacher P, Kaufmann BA, Maeder MT, Bernheim A, Goetschalckx K, Pfister O, Pfisterer M, Brunner-La Rocca HP; TIME-CHF Investigators. Heart failure with mid-range ejection fraction: a distinct clinical entity? Insights from the Trial of Intensified versus standard Medical therapy in Elderly patients with Congestive Heart Failure (TIME-CHF). *Eur J Heart Fail*. 2017. Impact Factor 6.968.

90. Rigamonti F, Fahrni G, Maeder M, Cook S, Weilenmann D, Wenaweser P, Röthlisberger C, Corti R, Rickli H, Kaiser C, Roffi M. Switzerland: coronary and structural heart interventions from 2010 to 2015. *EuroIntervention*. 2017. Impact Factor 5.165

91. Schoen T, Aeschbacher S, Leuppi JD, Miedinger D, Werthmüller U, Estis J, Todd J, Risch M, Risch L, Conen D. Subclinical sleep apnoea and plasma levels of endothelin-1 among young and healthy adults. *Open Heart* 2017. Impact Factor

92. Shahinian JH, Mayer B, Tholen S, Brehm K, Biniossek ML, Füllgraf H, Kiefer S, Heizmann U, Heilmann C, Rüter F, Grapow M, Reuthebuch OT, Eckstein F, Beyersdorf F, Schilling O, Siepe M. Proteomics highlights decrease of matricellular proteins in left ventricular assist device therapy. *Eur J Cardiothorac Surg*. 2017. Impact Factor 1.101

93. Spies F, Kühne M, Reichlin T, Osswald S, Sticherling C, Knecht S. A quantitative comparison of the electrical and anatomical definition of the pulmonary vein ostium. *Pacing Clin Electrophysiol*. 2017. Impact Factor 1.486

94. Sticherling C, Arendacka B, Hastrup Svendsen J, Wijers S, Friede T, Stockinger J, Dommasch M, Merkely B, Willems R, Lubinski A, Scharfe M, Braunschweig F, Svetlosak M, Zürn CS, Huikuri H, Flevari P, Lund-Andersen C, Schaer BA, Tuinenburg AE, Bergau L, Schmidt G, Szeplaki G, Vanderberk B, Kowalczyk E, Eick C, Juntilla J, Conen D, Zabel M for the EU-CERT ICD investigators. Sex differences in outcomes of primary prevention ICD therapy: combined registry data from eleven European countries. *Europace* 2017. Impact Factor 4.530

95. Stauber A, Wey C, Greutmann M, Tobler D, Wustmann K, Wahl A, Valsangiacomo Buechel ER, Wilhelm M, Schwerzmann M. Left ventricular outflow tract obstruction and its impact on systolic ventricular function and exercise capacity in adults with a subaortic right ventricle. *Int J Cardiol*. 2017. Impact Factor 6.189

96. Staubli SM, Cerino G, Gonzalez De Torre I, Alonso M, Oertli D, Eckstein F, Glatz K, Rodríguez Cabello JC, Marsano A. Control of angiogenesis and host response by modulating the cell adhesion properties of an Elastin-Like Recombinamer-based hydrogel. *Biomaterials*. 2017;135:30-41. Impact factor 8.401

97. Thiele H, Akin I, Sandri M, Fuernau G, de Waha S, Meyer-Saraei R, Nordbeck P, Geisler T, Landmesser U, Skurk C, Fach A, Lapp H, Piek JJ, Noc M, Goslar T, Felix SB, Maier LS, Stepinska J, Oldroyd K, Serpytis P, Montalescot G, Barthelemy O, Huber K, Windecker S, Savonitto S, Torremante P, Vrints C, Schneider S, Desch S, Zeymer U; CULPRIT-SHOCK Investigators (Jeger R Collaborator). PCI Strategies in Patients with Acute Myocardial Infarction and Cardiogenic Shock. *N Engl J Med*. 2017. Impact Factor 72.406

98. Tobler D, Bouchardy J, Reto E, Heg D, Müller C, Frenk A, Gabriel H, Schwitzer J, Rutz T, Buechel RR, Willhelm M, Trachsel L, Freese M, Greutmann M, Schwerzmann M; SERVE trial. Effect of phosphodiesterase-5 inhibition with Tadalafil on SystEmic Right VEntricular size and function - A multi-center, double-blind, randomized, placebo-controlled clinical trial - SERVE trial - Rational and design. *Int J Cardiol*. 2017. Impact Factor 6.189

99. Tobler D, Schwerzmann M, Bouchardy J, Engel R, Stambach D, Attenhofer Jost C, Wustmann K, Schwitz F, Rutz T, Gabriel H, Kuen HP, Auf der Maur C, Oxenius A, Seeliger T, Santos Lopes B, Bonassin F, Greutmann M. Swiss Adult Congenital Heart disease Registry (SACHER) - rationale, design and first results. *Swiss Med Wkly*. 2017. Impact Factor 1.654

100. Toma A, Stähli BE, Gick M, Gebhard C, Kaufmann BA, Mas-hayekhi K, Ferenc M, Buettner HJ, Neumann FJ. Comparison of Benefit of Successful Percutaneous Coronary Intervention for Chronic Total Occlusion in Patients With Versus Without Reduced ($\leq 40\%$) Left Ventricular Ejection Fraction. *Am J Cardiol*. 2017. Impact Factor 3.398

101. Twerenbold R, Badertscher P, Boeddinghaus J, Nestelberger T, Wildi K, Puelacher C, Sabti Z, Rubini Gimenez M, Tschirky S, du Fay de Lavallaz J, Kozuharov N, Szgary L, Mueller D, Breidthardt T, Strebel I, Flores Widmer D, Shrestha S, Miró Ò, Martín-Sánchez FJ, Morawiec B, Parenica J, Geigy N, Keller DI, Rentsch K, von Eckardstein A, Osswald S, Reichlin T, Mueller C. 0/1-Hour Triage Algorithm for Myocardial Infarction in Patients with Renal Dysfunction. *Circulation* 2017. Impact Factor 19.309

102. Twerenbold R, Badertscher P, Boeddinghaus J, Nestelberger T, Wildi K, Rubini Gimenez M, Miró Ò, Martín-Sánchez FJ, Reichlin T, Mueller C. Effect of the FDA Regulatory Approach on the 0/1-h Algorithm for Rapid Diagnosis of MI. *Journal of the American College of Cardiology* 2017. Impact Factor 19.896

Publikationen

103. Van der Linden N, Cornelis T, Kimenai DM, Klinkenberg LJJ, Hilderink JM, Lück S, Litjens EJR, Peeters FECM, Streng AS, Breidhardt T, van Loon LJC, Bekers O, Kooman JP, Westermarck PO, Mueller C, Meex SJR. The Origin of Cardiac Troponin T Elevations in Chronic Kidney Disease. *Circulation* 2017. Impact Factor 19.309

104. Vischer AS, Winterhalder C, Leonardi L, Maseli A, Eckstein J, Burkard T. Is office blood pressure measurement reliable for individual decision making? – Results of the iPARR trial. *Journal of Hypertension* 2017. Impact Factor 4.085

105. Vischer AS and Burkard T. Principles of Blood Pressure Measurement - Current Techniques, Office vs Ambulatory Blood Pressure Measurement. *Adv Exp Med Biol*. 2017. Impact Factor 1.881

106. Wagener M, Abächerli R, Honegger U, Schaerli N, Prêtre G, Twerenbold R, Puelacher C, Sunier G, Reddiss P, Rubini Gimenez M, Wildi K, Boeddinghaus J, Nestelberger T, Badertscher P, Sabti Z, Schmid R, Leber R, Widmer DF, Shrestha S, Strebel I, Wild D, Osswald S, Zellweger M, Mueller C, Reichlin T. Diagnostic and prognostic value of lead aVR during exercise testing in patients suspected of having myocardial ischemia. *Am J Cardiol* 2017. Impact Factor 3.398

107. Walter JE, Honegger U, Puelacher C, Mueller D, Wagener M, Schaerli N, Strebel I, Twerenbold R, Boeddinghaus J, Nestelberger T, Szgary L, Marbot S, de Lavallaz JDF, Kaiser C, Osswald S, Wild D, Rentsch K, Zellweger M, Reichlin T, Mueller C. Prospective Validation of a Biomarker-Based Rule Out Strategy for Functionally Relevant Coronary Artery Disease. *Clin Chem*. 2017. Impact Factor 8.008

108. Wein B, Coslovsky M, Jabbari R, Galatius S, Pfisterer M, Kaiser C. Prasugrel vs. clopidogrel in contemporary Western European patients with acute coronary syndromes receiving drug-eluting stents: Comparative cost-effectiveness analysis from the BASKET-PROVE cohorts. *Int J Cardiol*. 2017. Impact Factor 6.189

109. Wienbergen H, Pfister O, Hochadel M, Michel S, Bruder O, Rempis BA, Maeder MT, Strasser R, von Scheidt W, Pauschinger M, Senges J, Hambrecht R; RAID-HF (Registry Analysis of Iron Deficiency-Heart Failure) REGISTRY Study Group (*joint first authorship). Usefulness of iron deficiency correction in management of patients with heart failure (from the Registry Analysis of Iron Deficiency-Heart Failure (RAID-HF) Registry. *Am J Cardiol*. 2016 Impact Factor 3.398

110. Wildi K, Cullen L, Twerenbold R, Greenslade JH, Parsonage W, Boeddinghaus J, Nestelberger T, Sabti Z, Rubini-Giménez M, Puelacher C, Cupa J, Schumacher L, Badertscher P, Grimm K, Kozuharov N, Stelzig C, Freese M, Rentsch K, Lohrmann J, Kloos W, Buser A, Reichlin T, Pickering JW, Than M, Mueller C. Direct Comparison of two Rule-out Strategies for Acute Myocardial Infarction: 2h-Accelerated Diagnostic Protocol versus 2h-Algorithm. *Clin Chemistry* 2017. Impact Factor 8.008

111. Yang H, Bouma BJ, Mulder BJM. Is Initiating NOACs for Atrial Arrhythmias Safe in Adults with Congenital Heart Disease? *Cardiovascular Drugs Ther*. 2017. Impact Factor 2.820

112. Zbinden R, von Felten S, Wein B, Tueller D, Kurz DJ, Reho I, Galatius S, Alber H, Conen D, Pfisterer M, Kaiser C, Eberli FR. Impact of stent diameter and length on in-stent restenosis after DES vs BMS implantation in patients needing large coronary stents - a clinical and health-economic evaluation. *Cardiovasc Ther*. 2017. Impact Factor 2.478

113. Zellweger MJ, Haaf P, Maraun M, Osterhues HH, Keller U, Müller-Brand J, Jeger R, Pfister O, Brinkert M, Burkard T, Pfisterer M; BARDOT Investigators. Predictors and prognostic impact of silent coronary artery disease in asymptomatic high-risk patients with diabetes mellitus. *Int J Cardiol*. 2017. Impact Factor 6.189

114. Zimny M, Blum S, Ammann P, Erne P, Moschovitis G, Di Valentino M, Shah D, Schläpfer J, Vogt C, Tabor A, Kühne M, Sticherling C, Osswald S, Conen D. Uptake of non-vitamin K antagonist oral anti coagulants in patients with atrial fibrillation - a prospective cohort study. *Swiss Med Wkly* 2017. Impact Factor 1.654

■ Reviews

1. Celikyurt I, Meier CR, Kühne M, Schaer B. Safety and interactions of direct oral anticoagulants with antiarrhythmic drugs. *Drug Saf* 2017. Impact Factor 3.439

2. Garg P, Morris P, Fazlanie AL, Vijayan S, Dancso B, Dastidar AG, Plein S, Mueller C, Haaf P. Cardiac biomarkers of acute coronary syndrome: from history to high-sensitivity cardiac troponin. *Intern Emerg Med*. 2017. Epub 2017. Review. Impact Factor 2.340

3. Gorenek B, Bax J, Boriani G, Chen SA, Dagres N, Glotzer TV, Healey JS, Israel CW, Kudaiberdieva G, Levin LA, Lip GYH, Martin D, Okumura K, Svendsen JH, Tse HF, Botto GL; Document Reviewers: Sticherling C (Reviewer Coordinator), Linde C, Kutiyfa V, Bernat R, Scherr D, Lau CP, Iturralde P, P Morin D, Savelieva I. Device-detected subclinical atrial tachyarrhythmias: definition, implications and management – an European Heart Rhythm Association (EHRA) consensus document. *Europace* 2017. Impact Factor 4.210

4. Harjola VP, Mullens W, Banaszewski M, Bauersachs J, Brunner-La Rocca HP, Chioncel O, Collins SP, Doehner W, Filippatos GS, Flammer AJ, Fuhrmann V, Lainscak M, Lassus J, Legrand M, Masip J, Mueller C, Papp Z, Parissis J, Platz E, Rudiger A, Ruschitzka F, Schäfer A, Seferovic PM, Skouri H, Yilmaz MB, Mebazaa A. Organ dysfunction, injury and failure in acute heart failure: from pathophysiology to diagnosis and management. A review on behalf of the Acute Heart Failure Committee of the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). *Eur J Heart Fail*. 2017. Impact Factor 6.968

5. Ibanez B, James S, Agewall S, Antunes MJ, Bucciarelli-Ducci C, Bueno H, Caforio ALP, Crea F, Goudevanos JA, Halvorsen S, Hindricks G, Kastrati A, Lenzen MJ, Prescott E, Roffi M, Valgimigli M, Varenhorst C, Vranckx P, Widimský P; ESC Scientific Document Group. 2017 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation: The Task Force for the management of acute myocardial infarction in patients presenting with ST-segment elevation of the European Society of Cardiology (ESC). *Eur Heart J*. 2017 [Epub ahead of print] Impact Factor 19.651

6. Lip GYH, Collet JP, Caterina R, Fauchier L, Lane DA, Larsen TB, Marin F, Morais J, Narasimhan C, Olshansky B, Pierard L, Potpara T, Sarrafzadegan N, Sliwa K, Varela G, Vilahur G, Weiss T, Boriani G, Rocca B, Gorenek B, Savelieva I, Sticherling C, Kudaiberdieva G, Chao TF, Violi F, Nair M, Zimmerman L, Piccini J, Storey R, Halvorsen S, Gorog D, Rubboli A, Chin A, Scott-Millar R. Antithrombotic therapy in atrial fibrillation associated with valvular heart disease: a joint consensus document from the European Heart Rhythm Association (EHRA) and European Society of Cardiology Working Group on Thrombosis, endorsed by the ESC Working Group on Valvular Heart Disease, Cardiac Arrhythmia Society of Southern Africa (CASSA), Heart Rhythm Society (HRS), Asia Pacific Heart Rhythm Society (APHRS), South African Heart (SA Heart) Association and Sociedad Latinoamericana de Estimulación Cardíaca y Electrofisiología (SOLEACE) *Europace* 2017. Impact Factor 4.530

7. Mair J, Lindahl B, Giannitsis E, Huber K, Thygesen K, Plebani M, Möckel M, Müller C, Jaffe AS; Biomarker Study Group of the European Society of Cardiology Acute Cardiovascular Care Association. Will sacubitril-valsartan diminish the clinical utility of B-type natriuretic peptide testing in acute cardiac care? *Eur Heart J Acute Cardiovasc Care*. 2017.

8. Mair J, Lindahl B, Müller C, Giannitsis E, Huber K, Möckel M, Plebani M, Thygesen K, Jaffe AS; Biomarker Study Group of the European Society of Cardiology Acute Cardiovascular Care Association. What to do when you question cardiac troponin values? *Eur Heart J Acute Cardiovasc Care*. 2017.

9. Mair J, Lindahl B, Müller C, Giannitsis E, Huber K, Möckel M, Plebani M, Thygesen K, Jaffe AS. What to do when you question cardiac troponin values. *Eur Heart J Acute Cardiovasc Care*. 2017

10. Mairesse GH, Moran P, Van Gelder IC, Elsner C, Rosenqvist M, Mant J, Banerjee A, Gorenek B, Brachmann J, Varman N, Glotz de Lima G, Kalman J, Claes N, Lobban T, Lane D, Lip GYH, Boriani G; Collaborators: Fauchier L, Jung W, Savelieva I, Freedman B, Chen SA, Isa R, Turakhia M, Sapp JL, Lip G, Gorenek B, Sticherling C, Fauchier L, Goette A, Jung W, Vos MA, Brignole M, Elsner C, Dan GA, Marin F, Boriani G, Lane D, Lundqvist CB, Savelieva I. Screening for atrial fibrillation: a European Heart Rhythm Association (EHRA) consensus document endorsed by the Heart Rhythm Society (HRS), Asia Pacific Heart Rhythm Society (APHRS), and Sociedad Latinoamericana de Estimulación Cardíaca y Electrofisiología (SOLEACE). *Europace*. Impact Factor 4.521

11. Miro O, Peacock FW, Christ M, Cowie M, Cullen L, Maisel AS, Masip J, Miro O, McMurray J, Peacock FW, Price S, DiSomma S, Bueno H, Zeymer U, Mebazaa A, Mueller C. European Society of Cardiology - Acute Cardiovascular Care Association position paper on safe discharge of acute heart failure patients from the emergency department. *European Heart Journal: Acute Cardiovascular Care* 2017

12. Mont L, Pelliccia A, Sharma S, Biffi A, Borjesson M, Brugada Terradellas J, Carré F, Guasch E, Heidbuchel H, La Gerche A, Lampert R, McKenna W, Papadakis M, Priori SG, Scanavacca M, Thompson P, Sticherling C, Viskin S, Wilson M, Corrado D; Reviewers., Lip GY, Gorenek B, Blomström Lundqvist C, Merkely B, Hindricks G, Hernández-Madrid A, Lane D, Boriani G, Narasimhan C, Marquez MF, Haines D, Mackall J, Manuel Marques-Vidal P, Corra U, Halle M, Tiberi M, Niebauer J, Piepoli M. Pre-participation cardiovascular evaluation for athletic participants to prevent sudden cardiac death: Position paper from the EHRA and the EAPCR, branches of the ESC. Endorsed by APHRS, HRS and SOLACE. *Eur J Prev Cardiol* 2017. Impact Factor 3.606. *Europace* 2017. Impact Factor 4.530

Publikationen

13. Möckel M, Giannitsis E, Mueller C, Huber K, Jaffe AS, Mair J, Plebani M, Thygesen K, Lindahl B; Biomarker Study Group of the European Society of Cardiology Acute Cardiovascular Care Association. Rule-in of acute myocardial infarction: Focus on troponin. *Eur Heart J Acute Cardiovasc Care*. 2017

14. Mueller C, Giannitsis E, Möckel M, Huber K, Mair J, Plebani M, Thygesen K, Jaffe AS, Lindahl B; Biomarker Study Group of the ESC Acute Cardiovascular Care Association. Rapid rule out of acute myocardial infarction: novel biomarker-based strategies. *Eur Heart J Acute Cardiovasc Care*. 2017

15. Müller C, Möckel M, Giannitsis E, Huber K, Plebani M, Thygesen K, Jaffe AS, Mair J, Lindahl B; Biomarker Study Group of the European Society of Cardiology Acute Cardiovascular Care Association. Use of copeptin for rapid rule-out of acute myocardial infarction. *Eur Heart J Acute Cardiovasc Care*. 2017

16. Müller C, Stefan Windecker, Marco Roffi für die ESC 2015 NSTEMI-ACS Task Force. Akutes Koronarsyndrom ohne ST-Hebungen: ESC-Richtlinien 2015. *J CARDIOVASC MED* 2017. Impact Factor 1.613

17. Price S, Platz E, Cullen L, Tavazzi G, Christ M, Cowie M, Maisel A, Masip J, Miro O, McMurray J, Peacock WF, Martin-Sanchez FJ, Di Somma S, Bueno H, Zeymer U, Mueller C. The use of echocardiography and lung ultrasound in the assessment and management of patients with acute heart failure. *Nature Reviews Cardiol* 2017. Impact Factor 14.299

18. Reek S, Burri H, Roberts PR, Perings C, Epstein AE, Klein HU, Lip G, Goronek B, Sticherling C, Fauchier L, Goette A, Jung W, Vos MA, Brignole M, Elsner C, Dan GA, Marin f, Boriani G, Lane D, Lundqvist CB, Savelieva I. The wearable cardioverter-defibrillator: current technology and evolving indications. *Europace* 2017. Impact Factor 4.530

19. Roos-Hesselink JW, Tobler D, Warnes C. The 2017 Seventh World Congress of Pediatric Cardiology & Cardiac Surgery: week in review - adults with CHD. *Cardiol Young*. 2017. Impact Factor 0.905

20. Sabti Z, Jeger R. Vollständig resorbierbare Stents – eine neue Ära in der Behandlung der koronaren Herzkrankheit? *Praxis* (Bern 1994). 2017. Impact Factor 0.06

21. Sarkozy A, De Potter T, Heidebuchel H, Ernst S, Kosiuk J, Vano E, Picano E, Arbelo E, Tedrow U, Y H Lip G, Bajers F, Blomström Lundqvist C, Mandrola J, Lane DA, Dagnes N, Chung MK, Wunderle KA, Lip G, Gorenek B, Sticherling C, Fauchier L, Goette A, Jung W, Vos MA, Brignole M, Elsner C, Dan GA, Marin F, Boriani G, Lane D, Lundqvist CB, Savelieva I. Occupational radiation exposure in the electrophysiology laboratory with a focus on personnel with reproductive potential and during pregnancy: A European Heart Rhythm Association (EHRA) consensus document endorsed by the Heart rhythm Society (HRS). *Europace* 2017. Impact Factor 4.530

22. Stämpfli SF, Erhart L, Hagenbuch N, Stähli BE, Gruner C, Greutmann M, Niemann M, Kaufmann BA, Jenni R, Held L, Tanner FC. Prognostic power of NT-proBNP in left ventricular non-compaction cardiomyopathy. *Int J Cardiol*. 2017. Impact Factor 6.189

23. Timmermanns Y, Meine M, Zitron E, Widdershoven J, Kimman G, Prevot S, Rauwolf T, Anselme F, Szendey I, Roldan J, Mabo P, Schaefer B, Denollet J, Versteeg H. The patient perspective on remote monitoring of patients with an implantable cardioverter defibrillator: Narrative review and future directions. *Pacing Clin Electrophysiol* 2017. Impact Factor 1.486

24. Twerenbold R, Jasper Boeddinghaus, Thomas Nestelberger, Karin Wildi, Maria Rubini Gimenez, Patrick Badertscher, Mueller C. Clinical use of high-sensitivity cardiac troponin in patients with suspected myocardial infarction. *J Am Coll Cardiol*. 2017. Impact Factor 19.896

25. Zellweger MJ. The complex principle of cause and effect. *J Nucl Cardiol*. 2017. Impact Factor 3.930

■ Editorials

1. Cleland JG, Mueller C. What can we learn from SOCRATES: more questions than answers? *Eur Heart J*. 2017. Impact Factor 19.651

2. Haaf P, Buser PT. Map to the future of cardiac magnetic resonance in myocarditis. *Eur Heart J Cardiovasc Imaging*. 2017. Impact Factor 5.990

3. Haaf P. Lowering the bar of high-sensitivity cardiac troponin: more than limbo dancing? *J Lab Precis Med* 2017.

4. Kühne M, Knecht S, Sticherling C. Editorial: Cryoballoon ablation: the pure and simple truth about the left common ostium? *Heart Rhythm* 2017. Impact Factor 4.866

5. Mueller C. Clinical utility of biomarkers in heart failure. *Eur J Heart Fail*. 2017. [Epub ahead of print]. Impact Factor 6.968

6. Sticherling C, Kühne M. Editorial: Pulmonary vein isolation without assessing pulmonary vein potentials – not there yet. *Heart Rhythm* 2017. Impact Factor 4.866

■ Letters to the editor

1. Badertscher P, du Fay de Lavallaz J, Mueller C. Prevalence of pulmonary embolism among patients hospitalized for syncope. *N Engl J Med* 2017. Impact factor 72.406

2. Badertscher P, Kuehne M, Schaefer B, Sticherling C, Osswald S, Reichlin T. Electrical storm during induced hypothermia in a patient with early repolarization. *BMC Cardiovasc Disord* 2017. Impact Factor 1.832

3. Badertscher P, Nestelberger T, Boeddinghaus J, Twerenbold R, Wildi K, Rubini Gimenez M, Mueller C. High sensitive cardiac troponin T: Testing the test. *Int J Cardiol* 2017. Impact Factor 6.189

4. Flores D, Sabti Z, Kozhuharov N, Mueller C. Sacubitril/valsartan in PARADIGM-HF. *Lancet Diabetes Endocrinol*. 2017. Impact Factor 19.742

5. Kühne M. Vorhofflimmern 2017 – die neuen ESC-Guidelines helfen, aber es bleiben offene Fragen. *Praxis* (Bern 1994) 2017. Impact Factor 0.06

6. Mueller C, Roffi M, on behalf of the ESC NSTEMI-ACS Guidelines. Assessment of the European Society of Cardiology 0 hour/1hour algorithm to rule-out and rule-in acute myocardial infarction. *Circulation* 2017. Impact factor 19.309

■ Case reports

1. Knecht S, Spies F, Altmann D, Reichlin T, Sticherling C, Kühne M. Electroanatomic mapping of atrial tachycardia – manual vs automated annotation. *HeartRhythm Case Rep*. 2017. Impact Factor 4.866

2. Spies F, Knecht S, Reichlin T, Kühne M, Sticherling C. Remotely navigated ablation of RVOT tachycardia. *Cardiovasc Med* 2017. Impact Factor 1.613

3. Zutter A, Hauri K, Evers KS, Uhde S, Fassel J, Reuthebuch OT, Berset A, Kühne M, Donner BC. "Chaotic Arrhythmia" During Successful Resuscitation After Ingestion of Yew (*Taxus baccata*) Needles. *Pediatr Emerg Care*. [Epub ahead of print]. Impact Factor 1.034

■ Books / Book chapters

1. Greutmann M, Tobler D (2017) Supportive and Palliative Care for End-Stage adult congenital heart disease in: Gatzoulis, M; Webb, G; Daubney, P. (eds) *Diagnosis and Management of Congenital Heart Disease*, 3rd edition. Elsevier Verlag ISBN 9780702069291, © 2017

2. Greutmann M., Tobler D. (2017) Cyanotic lesions in: In: Roos-Hesselink J., Johnson M. (eds) *Pregnancy and Congenital Heart Disease. Congenital Heart Disease in Adolescents and Adults*. Springer, Cham. https://doi.org/10.1007/978-3-319-38913-4_16

3. Mannhardt I, Marsano A, Teuschl A. Perfusion Bioreactors for Prevascularization Strategies in Cardiac Tissue Engineering in Vascularization for Tissue Engineering and Regenerative Medicine, Springer International Publishing, 2017 pp 1-14. doi:10.1007/978-3-319-21056-8_14-1.

4. Mueller C. Other Biomarkers and the Evaluation of Patients With Suspected Myocardial Acute Myocardial Infarction. in *Morrow: Myocardial Infarction A Companion to Braunwald's Heart Disease*, 2017; 1e. Chapter 8.

5. Oechslin E, Greutmann M, Tobler D, Colman J (2017) Selected Terms Used in Adult Congenital Heart Disease in: Gatzoulis, M; Webb, G; Daubney, P. (eds) *Diagnosis and Management of Congenital Heart Disease*, 3rd edition. Elsevier Verlag ISBN 9780702069291, © 2017

6. Tobler D., Greutmann M. (2017) Transposition of the great arteries. In: Roos-Hesselink J., Johnson M. (eds) *Pregnancy and Congenital Heart Disease. Congenital Heart Disease in Adolescents and Adults*. Springer, Cham. https://doi.org/10.1007/978-3-319-38913-4_8

7. Tobler D., Jimenez-Juan L., Crean A.M., Wald R.M. (2017) Tricuspid Valve Abnormalities in: *Medical Radiology*. Springer, Berlin, Heidelberg. https://doi.org/10.1007/174_2017_108