

# Publikationen 2020

## Originalarbeiten

1. Aeschbacher S, Blum S, Meyre PB, Coslovsky M, Vischer AS, Sinnecker T, Rodondi N, Beer JH, Moschovitis G, Moutzouri E, Hunkeler C, Burkard T, Eken C, Roten L, Zuern CS, Sticherling C, Wuerfel J, Bonati LH, Conen D, Osswald S, Kühne M; Swiss-AF Investigators. Blood Pressure and Brain Lesions in Patients With Atrial Fibrillation. **Hypertension**. 2020. Impact Factor 7.713
2. Albert C, Zapf A, Haase M, Röver C, Pickering JW, Albert A, Bellomo R, Breidhardt T, Camou F, Chen Z, Chocron S, Cruz D, de Geus HRH, Devarajan P, Di Somma S, Doi K, Endre ZH, Garcia-Alvarez M, Hjortrup PB, Hur M, Karaolanis G, Kavalci C, Kim H, Lentini P, Liebetau C, Lipcsey M, Mårtensson J, Müller C, Nanas S, Nickolas TL, Pipili C, Ronco C, Rosa-Diez GJ, Ralib A, Soto K, Braun-Dullaes RC, Heinz J, Haase-Fielitz A. Neutrophil Gelatinase-Associated Lipocalin Measured on Clinical Laboratory Platforms for the Prediction of Acute Kidney Injury and the Associated Need for Dialysis Therapy: A Systematic Review and Meta-analysis. **Am J Kidney Dis**. 2020. Impact Factor 6.618
3. Alkhalil M, Borlotti A, De Maria GL, Wolfrum M, Dawkins S, Fahrni G, Gaughran L; Oxford Acute Myocardial Infarction (OxAMI) Study, Langrish JP, Lucking A, Ferreira VM, Kharbada RK, Banning AP, Dall'Armellina E, Channon KM, Choudhury RP. Hyper-acute cardiovascular magnetic resonance T1 mapping predicts infarct characteristics in patients with ST elevation myocardial infarction. **J Cardiovasc Magn Reson**. 2020. Impact Factor 5.361
4. Anastasopoulos C, Weikert T, Yang S, Abdulkadir A, Schmülling L, Bühler C, Paciolla F, Sexauer R, Cyriac J, Nestic I, Twerenbold R, Bremerich J, Stieltjes B, Sauter AW, Sommer G. Development and clinical implementation of tailored image analysis tools for COVID-19 in the midst of the pandemic: The synergetic effect of an open, clinically embedded software development platform and machine learning. **Eur J Radiol**. 2020. Impact Factor 2.687
5. Arranto CA, Burkard T, Leuppi-Taegtmeier AB, Gerull S, Passweg JR, Pfister O, Halter JP. Prevalence of untreated and uncontrolled cardiovascular risk factors in survivors of allogeneic cell transplantation. **Bone Marrow Transplant**. 2020. Impact Factor 4.725
6. Asatryan B, Ebrahimi R, Strebel I, van Dam PM, Kühne M, Knecht S, Spies F, Abächerli R, Badertscher P, Kozuharov N, Zeljkovic I, Schaer B, Osswald S, Sticherling C, Reichlin T. Man vs Machine: Performance of Manual vs Automated ECG Analysis for Predicting the Chamber of Origin of Idiopathic Ventricular Arrhythmia. **J Cardiovasc Electrophysiol**. 2020. Impact Factor 2.424
7. Badertscher P, Turnage TA, Fernandes V, Nielsen C, Gold MR. The role of electrophysiologic study in high-risk patients with new-onset conduction disturbances following alcohol septal ablation for hypertrophic obstructive cardiomyopathy. **J Cardiovasc Electrophysiol**. 2020. Impact Factor 2.424
8. Bavishi C, Chugh Y, Kimura T, Natsuaki M, Kaiser C, Gordon P, Aronow HD, Abbott JD. Biodegradable polymer drug-eluting stent vs. contemporary durable polymer drug-eluting stents in patients with diabetes: a meta-analysis of randomized controlled trials. **Eur Heart J Qual Care Clin Outcomes**. 2020. Impact Factor 2.36
9. Becher PM, Goßling A, Schrage B, Twerenbold R, Fluschnik N, Seiffert M, Bernhardt AM, Reichenspurner H, Blankenberg S, Westermann D. Procedural volume and outcomes in patients undergoing VA-ECMO support. **Crit Care**. 2020. Impact Factor 6.407
10. Becher PM, Twerenbold R, Schrage B, Schmack B, Sinning CR, Fluschnik N, Schwarzl M, Waldeyer C, Seiffert M, Clemmensen P, Neumann JT, Bernhardt AM, Zeymer U, Thiele H, Reichenspurner H, Blankenberg S, Westermann D. Risk prediction of in-hospital mortality in patients with venoarterial extracorporeal membrane oxygenation for cardiopulmonary support: The ECMO-ACCEPTS score. **J Crit Care**. 2020. Impact Factor 2.685
11. Berdajs D, von Segesser LK, Maisano F, Milano G, Ferrari E. Performance characteristics of the new Eurosets magnetically suspended centrifugal pump. **Perfusion**. 2020. Impact Factor 1.383
12. Berdajs DA, Koechlin L, Reid G, Grob F, Gahl B, Schurr U, Reuthebuch O, Eckstein F. Modified frozen elephant trunk procedure as standard approach in acute type A aortic dissection: A propensity-weighted analysis. **J Thorac Cardiovasc Surg**. 2020. Impact Factor 4.451

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13. Blum S, Aeschbacher S, Meyre P, Kühne M, Rodondi N, Beer JH, Ammann P, Moschovitis G, Bonati LH, Blum MR, Kastner P, Baguely F, Sticherling C, Osswald S, Conen D; BEAT-AF and Swiss-AF. Insulin-like growth factor-binding protein-7 and risk of congestive heart failure hospitalization in patients with atrial fibrillation. **Heart Rhythm**. 2020. Impact Factor 5.731
14. Boeddinghaus J, Nestelberger T, Kaiser C, Twerenbold R, Fahrni G, Bingisser R, Khanna N, Tschudin-Sutter S, Widmer A, Jeger R, Kaufmann B, Pfister O, Sticherling C, Müller C, Osswald S, Zellweger MJ, Kühne M. Effect of COVID-19 on acute treatment of ST-segment elevation and Non-ST-segment elevation acute coronary syndrome in northwestern Switzerland. **Int J Cardiol Heart Vasc**. 2020. Impact Factor 1.78
15. Boeddinghaus J, Nestelberger T, Koechlin L, Wussler D, Lopez-Ayala P, Walter JE, Troester V, Ratmann PD, Seidel F, Zimmermann T, Badertscher P, Wildi K, Rubini Giménez M, Potlukova E, Strebel I, Freese M, Miró Ò, Martin-Sanchez FJ, Kaweckí D, Keller DI, Gualandro DM, Christ M, Twerenbold R, Mueller C; APACE Investigators. Early Diagnosis of Myocardial Infarction With Point-of-Care High-Sensitivity Cardiac Troponin I. **J Am Coll Cardiol**. 2020. Impact Factor 20.589
16. Cammann VL, Szawan KA, Stähli BE, Kato K, Budnik M, Wischnewsky M, Dreiding S, Levinson RA, Di Vece D, Gili S, Citro R, Bossone E, Neuhaus M, Franke J, Meder B, Jaguszewski M, Noutsias M, Knorr M, Heiner S, D'Ascenzo F, Dichtl W, Burgdorf C, Kherad B, Tschöpe C, Sarcon A, Shinbane J, Rajan L, Michels G, Pfister R, Cuneo A, Jacobshagen C, Karakas M, Koenig W, Pott A, Meyer P, Roffi M, Banning A, Wolfrum M, Cuculi F, Kobza R, Fischer TA, Vasankari T, Airaksinen KEJ, Napp LC, Dworakowski R, MacCarthy P, Kaiser C, Osswald S, Galiuto L, Chan C, Bridgman P, Beug D, Delmas C, Lairez O, Gilyarova E, Shilova A, Gilyarov M, El-Battrawy I, Akin I, Poledniková K, Toušek P, Winchester DE, Galuszka J, Ukena C, Poglajen G, Carrilho-Ferreira P, Hauck C, Paolini C, Bilato C, Kobayashi Y, Shoji T, Ishibashi I, Takahara M, Himi T, Din J, Al-Shammari A, Prasad A, Rihal CS, Liu K, Schulze PC, Bianco M, Jörg L, Rickli H, Pestana G, Nguyen TH, Böhm M, Maier LS, Pinto FJ, Widimský P, Felix SB, Braun-Dullaeus RC, Rottbauer W, Hasenfuß G, Pieske BM, Schunkert H, Borggrete M, Thiele H, Bauersachs J, Katus HA, Horowitz JD, Di Mario C, Münzel T, Crea F, Bax JJ, Lüscher TF, Ruschitzka F, Ghadri JR, Opolski G, Templin C. Age-Related Variations in Takotsubo Syndrome. **J Am Coll Cardiol**. 2020. Impact Factor 20.589
17. Dangas GD, Tijssen JGP, Wöhrle J, Søndergaard L, Gilard M, Möllmann H, Makkar RR, Herrmann HC, Giustino G, Baldus S, De Backer O, Guimarães AHC, Gullestad L, Kini A, von Lewinski D, Mack M, Moreno R, Schäfer U, Seeger J, Tchétché D, Thomitzek K, Valgimigli M, Vranckx P, Welsh RC, Wildgoose P, Volkl AA, Zazula A, van Amsterdam RGM, Mehran R, Windecker S; GALILEO Investigators. A Controlled Trial of Rivaroxaban after Transcatheter Aortic-Valve Replacement. **N Engl J Med**. 2020. Impact Factor 74.699
18. D'Ascenzo F, Gili S, Bertaina M, Iannaccone M, Cammann VL, Di Vece D, Kato K, Saglietto A, Szawan KA, Frangieh AH, Boffini B, Annaratone M, Sarcon A, Levinson RA, Franke J, Napp LC, Jaguszewski M, Noutsias M, Münzel T, Knorr M, Heiner S, Katus HA, Burgdorf C, Schunkert H, Thiele H, Bauersachs J, Tschöpe C, Pieske BM, Rajan L, Michels G, Pfister R, Cuneo A, Jacobshagen C, Hasenfuß G, Karakas M, Koenig W, Rottbauer W, Said SM, Braun-Dullaeus RC, Banning A, Cuculi F, Kobza R, Fischer TA, Vasankari T, Airaksinen KEJ, Opolski G, Dworakowski R, MacCarthy P, Kaiser C, Osswald S, Galiuto L, Crea F, Dichtl W, Franz WM, Empen K, Felix SB, Delmas C, Lairez O, El-Battrawy I, Akin I, Borggrete M, Horowitz JD, Kozel M, Tousek P, Widimský P, Gilyarova E, Shilova A, Gilyarov M, Biondi-Zoccai G, Winchester DE, Ukena C, Neuhaus M, Bax JJ, Prasad A, Di Mario C, Böhm M, Gasparini M, Ruschitzka F, Bossone E, Citro R, Rinaldi M, De Ferrari GM, Lüscher T, Ghadri JR, Templin C. Impact of aspirin on takotsubo syndrome: a propensity score-based analysis of the InterTAK Registry. **Eur J Heart Fail**. 2020. Impact Factor 10.719
19. De Backer O, Dangas GD, Jilaihawi H, Leipsic JA, Terkelsen CJ, Makkar R, Kini AS, Veien KT, Abdel-Wahab M, Kim WK, Balan P, Van Mieghem N, Mathiassen ON, Jeger RV, Arnold M, Mehran R, Guimarães AHC, Nørgaard BL, Kofoed KF, Blanke P, Windecker S, Søndergaard L; GALILEO-4D Investigators. Reduced Leaflet Motion after Transcatheter Aortic-Valve Replacement. **N Engl J Med**. 2020. Impact Factor 74.699
20. Dekker M, Waissi F, van Bennekom J, Silvis MJM, Timmerman N, Bank IEM, Walter JE, Mueller C, Schoneveld AH, Schiffelers RM, Pasterkamp G, Grobbee DE, de Winter RJ, Mosterd A, de Kleijn DPV, Timmers L. Plasma extracellular vesicle proteins are associated with stress-induced myocardial ischemia in women presenting with chest pain. **Sci Rep**. 2020. Impact Factor 3.998

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21. Diebold M, Kozuharov N, Wussler D, Strebel I, Sabti Z, Flores D, Shrestha S, Martin J, Staub D, Venge P, Mueller C, Breidthardt T. Mortality and pathophysiology of acute kidney injury according to time of occurrence in acute heart failure. **ESC Heart Fail.** 2020. Impact Factor 3.407
22. Ding KJ, Cammann VL, Szawan KA, Stähli BE, Wischnewsky M, Di Vece D, Citro R, Jaguszewski M, Seifert B, Sarcon A, Knorr M, Heiner S, Gili S, D'Ascenzo F, Neuhaus M, Napp LC, Franke J, Noutsias M, Burgdorf C, Koenig W, Kherad B, Rajan L, Michels G, Pfister R, Cuneo A, Jacobshagen C, Karakas M, Pott A, Meyer P, Arroja JD, Banning A, Cuculi F, Kobza R, Fischer TA, Vasankari T, Airaksinen KEJ, Paolini C, Bilato C, Carrilho-Ferreira P, Opolski G, Dworakowski R, MacCarthy P, Kaiser C, Osswald S, Galiuto L, Dichtl W, Chan C, Bridgman P, Delmas C, Lairez O, El-Battrawy I, Akin I, Gilyarova E, Shilova A, Gilyarov M, Kozel M, Tousek P, Widimský P, Winchester DE, Galuszka J, Ukena C, Horowitz JD, Di Mario C, Prasad A, Rihal CS, Pinto FJ, Crea F, Borggrefe M, Braun-Dullaes RC, Rottbauer W, Bauersachs J, Katus HA, Hasenfuß G, Tschöpe C, Pieske BM, Thiele H, Schunkert H, Böhm M, Felix SB, Münzel T, Bax JJ, Lüscher TF, Ruschitzka F, Ghadri JR, Bossone E, Templin C. Intraventricular Thrombus Formation and Embolism in Takotsubo Syndrome: Insights From the International Takotsubo Registry. **Arterioscler Thromb Vasc Biol.** 2020. Impact Factor 6.604
23. Ding WY, Williams E, Das M, Tovmassian L, Tayebjee M, Haywood G, Martin C, Rajappan K, Bates M, Temple IP, Reichlin T, Chen Z, Balasubramaniam R, Ronayne C, Clarkson N, Mahida S, Sticherling C, Gupta D. Cryoballoon pulmonary vein isolation as first line treatment for typical atrial flutter (CRAFT): study protocol for a randomized controlled trial. **J Interv Card Electrophysiol.** 2020. Impact Factor 1.277
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25. Dörr M, Weber S, Birkemeyer R, Leonardi L, Winterhalter C, Raichle CJ, Brasier N, Burkard T, Eckstein J. iPhoneApp compared with standard blood pressure measurement - The iPARR trial. **American Heart Journal.** 2020. Impact Factor 4.153
26. Fahrni G, Farah A, Engstrøm T, Galatius S, Eberli F, Rickenbacher P, Conen D, Mueller C, Pfister O, Twerenbold R, Coslovsky M, Cattaneo M, Kaiser C, Mangner N, Schuler G, Pfisterer M, Möbius-Winkler S, Jeger RV; BASKET-SAVAGE-Investigators. Long-Term Results After Drug-Eluting Versus Bare-Metal Stent Implantation in Saphenous Vein Grafts: Randomized Controlled Trial. **J Am Heart Assoc.** 2020. Impact Factor 4.605
27. Fahrni G, Scheller B, Coslovsky M, Gilgen N, Farah A, Ohlow MA, Mangner N, Weilenmann D, Wöhrle J, Cuculi F, Leibundgut G, Möbius-Winkler S, Zweiker R, Twerenbold R, Kaiser C, Jeger R; BASKET-SMALL 2 Investigators. Drug-coated balloon versus drug-eluting stent in small coronary artery lesions: angiographic analysis from the BASKET-SMALL 2 trial. **Clin Res Cardiol.** 2020. Impact Factor 5.268
28. Ferrari E, Scoglio M, Piazza G, Maisano F, von Segesser LK, Berdajs D. Transcatheter aortic root replacement with chimney grafts for coronary perfusion: a preliminary test in a three-dimensional-printed root model. **Interact Cardiovasc Thorac Surg.** 2020. Impact Factor 1.675
29. Ferrari E, Wang C, Berdajs D, von Segesser LK. Chimney grafts in renal arteries: a clinical model for coronary perfusion in future transcatheter aortic root repair techniques. **J Cardiothorac Surg.** 2020. Impact Factor 1.506
30. Ganzoni C, Arslani K, Pfister O, Freese M, Strobel W, Mueller C, Tobler D. Choir singing improves respiratory muscle strength and quality of life in patients with structural heart disease - HeartChoir: a randomised clinical trial. **Swiss Med Wkly.** 2020. Impact Factor 1.822

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31. Glinz D, Bläsi C, Villiger A, Meienberg A, Socrates T, Pfister O, Mayr M, Haschke M, Vischer AS, Burkard T. Hemodynamic profiles in treatment-naive arterial hypertension and their clinical implication for treatment choice: an exploratory post hoc analysis. **J Hypertens**. 2020. Impact factor 4.171
32. Grimm K, Twerenbold R, Abaecherli R, Boeddinghaus J, Nestelberger T, Koechlin L, Troester V, Bourtzou A, Keller DI, Geigy N, Kozhuharov N, Wussler D, Wildi K, Hillinger P, Rubini Giménez M, Strebel I, Badertscher P, Puelacher C, du Fay de Lavallaz J, Osswald L, Morawiec B, Kawecki D, Miró Ó, Kühne M, Reichlin T, Mueller C. Diagnostic and prognostic value of ST-segment deviation scores in suspected acute myocardial infarction. **Eur Heart J Acute Cardiovasc Care**. 2020. Impact Factor 3.734
33. Gugganig R, Aeschbacher S, Leong DP, Meyre P, Blum S, Coslovsky M, Beer JH, Moschovitis G, Müller D, Anker D, Rodondi N, Stempfel S, Müller C, Meyer-Zürn C, Kühne M, Conen D, Osswald S; Swiss-AF investigators. Frailty to predict unplanned hospitalization, stroke, bleeding and death in atrial fibrillation. **Eur Heart J Qual Care Clin Outcomes**. 2020. Impact Factor 2.36
34. Haeberlin A, Kozhuharov N, Knecht S, Tanner H, Schaer B, Noti F, Osswald S, Servatius H, Baldinger S, Seiler J, Lam A, Mosher L, Sticherling C, Roten L, Kühne M, Reichlin T. Leadless pacemaker implantation quality – importance of operator’s experience. **Europace**. 2020. Impact Factor 4.045
35. Haller PM, Boeddinghaus J, Neumann JT, Sörensen NA, Hartikainen TS, Goßling A, Nestelberger T, Twerenbold R, Lehmacher J, Keller T, Zeller T, Blankenberg S, Mueller C, Westermann D. Performance of the ESC 0/1-h and 0/3-h Algorithm for the Rapid Identification of Myocardial Infarction Without ST-Elevation in Patients With Diabetes. **Diabetes Care**. 2020. Impact Factor 16.019
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37. Hidvegi R, Puelacher C, Gualandro DM, Lampart A, Lurati Buse G, Hammerer-Lerchner A, Walter J, Liffert M, Bolliger D, Steiner L, Kindler C, Espinola J, Strebel I, Gueckel J, Marbot S, Arslani K, Boeddinghaus J, Nestelberger T, Zimmermann T, Freese M, Guerke L, Mujagic E, Rikli D, Buser A, Mueller C; BASEL-P.M.I. Investigators. Obesity paradox and perioperative myocardial infarction/injury in non-cardiac surgery. **Clin Res. Cardiol**. 2020. Impact Factor 5.268
38. Horiuchi Y, Wettersten N, Patel MP, Mueller C, Neath SX, Christenson RH, Morgenthaler NG, McCord J, Nowak RM, Vilke GM, Daniels LB, Hollander JE, Apple FS, Cannon CM, Nagurny JT, Schreiber D, deFilippi C, Hogan C, Diercks DB, Headden G, Limkakeng AT, Anand I, Wu AHB, Ebmeyer S, Jaffe AS, Peacock WF, Maisel AS. Biomarkers Enhance Discrimination and Prognosis of Type 2 Myocardial Infarction. **Circulation**. 2020. Impact factor 23.603
39. Horiuchi YU, Wettersten N, Veldhuisen DJV, Mueller C, Filippatos G, Nowak R, Hogan C, Kontos MC, Cannon CM, Müller GA, Birkhahn R, Taub P, Vilke GM, Barnett O, McDONALD K, Mahon N, Nuñez J, Briguori C, Passino C, Maisel A, Murray PT. Potential Utility of Cardiorenal Biomarkers for Prediction and Prognostication of Worsening Renal Function in Acute Heart Failure. **J Card Fail**. 2020. Impact Factor 3.435
40. Isu G, Robles Diaz D, Grussenmeyer T, Gaudiello E, Eckstein F, Brink M, Marsano A. Fatty acid-based monolayer culture to promote in vitro neonatal rat cardiomyocyte maturation. **Biochim Biophys Acta Mol Cell Res**. 2020. Impact Factor 4.105
41. Jeger RV, Farah A, Ohlow MA, Mangner N, Möbius-Winkler S, Weilenmann D, Wöhrle J, Stachel G, Markovic S, Leibundgut G, Rickenbacher P, Osswald S, Cattaneo M, Gilgen N, Kaiser C, Scheller B; BASKET-SMALL 2 Investigators. Long-term efficacy and safety of drug-coated balloons versus drug-eluting stents for small coronary artery disease (BASKET-SMALL 2): 3-year follow-up of a randomised, non-inferiority trial. **Lancet**. 2020. Impact Factor 60.392

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## Originalarbeiten

42. Kilian L.; Krisai P.; Socrates T.; Arranto C.; Pfister O.; Meienberg A.; Mayr M.; Vischer A.S.; Burkard T. Analyzing 24-Hour Blood Pressure Measurements with a Novel Cuffless Pulse Transit Time Device in Clinical Practice - Does the Software for Heartbeat Detection Matter? **Diagnostics** 2020. Impact Factor 3.110.
43. Kiss A, Heber S, Hackl M, Skalicky S, Hallström S, Podesser B.K, Santer D, MicroRNA changes after cardiopulmonary bypass and ischemia / reperfusion-injury in a porcine model of cardioplegic arrest. **Diagnostics**. 2020. Impact Factor 3.110
44. Knecht S, Schaer B, Reichlin T, Spies F, Madaffari A, Vischer A, Fahrni G, Jeger R, Kaiser C, Osswald S, Sticherling C, Kühne M. Electrophysiology Testing to Stratify Patients With Left Bundle Branch Block After Transcatheter Aortic Valve Implantation. **J Am Heart Assoc**. 2020. Impact Factor 4.605
45. Koechlin L, Kaufmann J, Macius E, Bremerich J, Sommer G, Gahl B, Schurr U, Grapow M, Reuthebuch O, Eckstein F, Berdajs DA. Impact of Modified Frozen Elephant Trunk Procedure on Downstream Aorta Remodeling in Acute Aortic Dissection: CT Scan Follow-Up. **World J Surg**. 2020. Impact Factor 2.234
46. Koechlin L, Macius E, Kaufmann J, Gahl B, Reuthebuch O, Eckstein F, Berdajs DA. Aortic root and ascending aorta dimensions in acute aortic dissection. **Perfusion**. 2020. Impact Factor 1.383
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48. Koechlin L, Schurr U, Miazza J, Imhof S, Maurer M, Erb J, Gahl B, Santer D, Berdajs D, Eckstein FS, Reuthebuch O. Echocardiographic and Clinical Follow-up After Aortic Valve Neocuspidization Using Autologous Pericardium. **World J Surg**. 2020. Impact Factor 2.234
49. Koechlin L, Zenklusen U, Doebele T, Rrahmani B, Gahl B, Schaeffer T, Berdajs D, Eckstein FS, Reuthebuch O. Analysis of Myocardial Ischemia Parameters after Coronary Artery Bypass Grafting with Minimal Extracorporeal Circulation and a Novel Microplegia versus Off-Pump Coronary Artery Bypass Grafting. **Mediators Inflamm**. 2020. Impact Factor 3.758
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51. Kozhuharov N, Wussler D, Kaier T, Strebel I, Shrestha S, Flores D, Nowak A, Sabti Z, Nestelberger T, Zimmermann T, Walter J, Belkin M, Michou E, Lopez Ayala P, Gualandro DM, Keller DI, Goudev A, Breidhardt T, Mueller C, Marber M; BASEL V investigators. Cardiac Myosin-Binding Protein C in the Diagnosis and Risk Stratification of Acute Heart Failure. **Eur J Heart Fail**. 2020. Impact Factor 10.719
52. Krisai P, Blum S, Schnabel RB, Sticherling C, Kühne M, von Felten S, Ammann P, Pruvot E, Albert CM, Conen D. Canakinumab after electrical cardioversion in patients with persistent atrial fibrillation: a pilot randomized trial. **Circ Arrhythm Electrophysiol**. 2020. Impact Factor 4.393
53. Krisai P, Aeschbacher S, Bossard M, Herber E, Blum S, Meyre P, Burkard T, Kühne M, Osswald S, Kaufmann BA, Conen D. Change in atrial fibrillation burden over time in patients with nonpermanent atrial fibrillation. **Cardiol Res Pract**. 2020. Impact Factor 1.292
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55. Krisai P, Hämmerle P, Blum S, Meyre P, Aeschbacher S, Melchiorre-Mayer P, Baretella O, Rodondi N, Conen D, Osswald S, Kühne M, Zuern CS; Swiss-AF investigators. Prognostic significance of present atrial fibrillation on a single office electrocardiogram in patients with atrial fibrillation. **J Intern Med.** 2020. Impact Factor 6.871
56. Luca A, Pittet A, Buttu A, McCann A, Vesin JM, Pascale P, Le Bloa M, Herrera C, Park CI, Rollin A, Maury P, Roten L, Kühne M, Spies F, Knecht S, Sticherling C, Pruvot E. Severe and uniform bi-atrial remodeling measured by dominant frequency analysis in persistent atrial fibrillation unresponsive to ablation. **J Interv Card Electrophysiol.** 2020. Impact Factor 1.277
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58. Mannil M, Kato K, Manka R, von Spiczak J, Peters B, Cammann VL, Kaiser C, Osswald S, Nguyen TH, Horowitz JD, Katus HA, Ruschitzka F, Ghadri JR, Alkadhi H, Templin C. Prognostic value of texture analysis from cardiac magnetic resonance imaging in patients with Takotsubo syndrome: a machine learning based proof-of-principle approach. **Sci Rep.** 2020. Impact Factor 3.998
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