

Publications**A) Peer reviewed: 286 Original Contributions****176 as first or last author**

1. Frey AW, **Müller C**, Dambacher M, Theisen K: Erhöhung der vagalen Aktivität nach Gabe des Kalziumantagonisten Diltiazem bei Patienten mit koronarer Herzerkrankung. Z Kardiol (Clin Research Cardiol) 1995;84:105-111. Impact Factor **4.560** , Cardiac & Cardiovascular Systems,
2. **Müller C**, Frey AW, Roskamm H, Hodgson J.McB: Single Device approach to ultrasound guided percutaneous transluminal coronary angioplasty and stenting: Initial experience with a combined intracoronary ultrasound/variable diameter balloon. Catheterization and Cardiovascular Diagnosis 1997;40:393-399. Impact Factor **2.107** , Cardiac & Cardiovascular Systems,
3. **Müller C**, Dambacher M, Spadacini G, Roskamm H, Frey AW: Power spectral changes of spontaneous beat-to-beat variability of the RT interval in patients with coronary artery disease. Annals of Noninvasive Electrocardiology 1997;2(2):114-120. Impact Factor **1.131**, Cardiac & Cardiovascular Systems, .
4. **Müller C**, Büttner HJ, Petersen J, Roskamm H: A Randomized Comparison of Clopidogrel and Aspirin versus Ticlopidine and Aspirin after the Placement of Coronary-Artery Stents. Circulation 2000;101:590-593. Impact Factor **14.43**, Cardiac & Cardiovascular Systems,
5. Frey AW, Hodgson John McB, **Müller C**, Bestehorn HP, Roskamm H: Ultrasound-Guided Strategy for Provisional Stenting with a focal balloon combination catheter: Results from the randomized Strategy for Intracoronary Ultrasound-Guided PTCA and Stenting (SIPS) Trial. Circulation 2000;102:2497-2502. Impact Factor **14.43** Cardiac & Cardiovascular Systems,
6. **Mueller C**, Buerkle G, Buettner HJ, Petersen J, Perruchoud AP, Eriksson U, Marsch S, Roskamm H: Prevention of Contrast Media-Associated Nephropathy: Randomized Comparison of two Hydration Regimens in 1620 Patients undergoing Coronary Angioplasty. Archives of Internal Medicine 2002,162:329-336. Impact Factor **17.333** , Medicine, General & Internal,.

- Zeller T, **Müller C**, Frank U, Bürgelin KH, Horn B, Roskamm H: Das Straub-  
7. Rotarex-Thrombektomie-System: Erste Erfahrungen. RoFo-Fortschr Rontg  
2001;173:626-631.  
Impact Factor **1.639**, Radiology, Nuclear medicine & Medical Imaging,
- Zeller T, **Müller C**, Frank U, Bürgelin KH, Sinn L, Horn B, Roskamm H:  
8. Gadodiamide as an alternative contrast agent during angioplasty in patients with  
contraindications to iodinated media. J Endovasc Therapy 2002;9:625-632.  
Impact Factor **3.353**, Peripheral vascular disease, Rank 25.
- Mueller C**, Buettner HJ, Hodgson J.McB, Marsch S, Perruchoud AP, Roskamm H,  
9. Neumann FJ. Inflammation and long-term mortality after Non-ST-elevation acute  
coronary syndrome treated with a very early invasive strategy in 1042 consecutive  
patients. Circulation 2002;105:1412-1415.  
Impact Factor **14.43**, Cardiac & Cardiovascular Systems, Rank 1.
- Zeller T, Frank U, **Müller C**, K Buergelin, Sinn L, Horn B, Roskamm H: Erste  
10. Erfahrungen mit einem 6F kompatiblen selbstexpandierenden Nitinol-Stent. RoFo-  
Fortschr Rontg 2002;174:231-235.  
Impact Factor **1.639** , Radiology, Nuclear medicine & Medical Imaging,
- Zeller T, Buettner HJ, Lorenz HM, Frank U, **Mueller C**, Bürgelin KH, Roskamm H:  
11. Late aortic dislocation of a stent following stent angioplasty for ostial renal artery  
stenosis. Catheterization and Cardiovascular Interventions 2002;56:416-420.  
Impact Factor **2.107** , Cardiac & Cardiovascular Systems,
- Zeller T, **Müller C**, Frank U, Bürgelin KH, Horn B, Cook-Bruns N, Neumann FJ:  
12. Stent angioplasty of severe atherosclerotic ostial renal artery stenosis in patients  
with diabetes mellitus and nephrosclerosis. Catheterization and Cardiovascular  
Interventions 2003;58:510-5.  
Impact Factor **2.107** , Cardiac & Cardiovascular Systems,
- Zeller T, Frank U, **Müller C**, Horn B, Günkel L, Pascucci S, Roskamm H:  
13. Duplexsonographische Normwerte der Arteria thoracica interna und  
Flussveränderungen nach minimal invasiver Anastomosierung (MIDCAB) auf den  
Ramus interventricularis anterior. Ultraschall in Med 2002;23:176-180.  
Impact Factor **2.394**, Radiology, Nuclear medicine & Medical Imaging,
- Zeller T, **Müller C**, Frank U, Bürgelin KH, Schwarzwälder U, Horn B, Roskamm H,  
14. Neumann FJ: Survival after stent-angioplasty of severe atherosclerotic ostial renal  
artery stenosis. J Endovasc Therapy 2003;10:539-545.  
Impact Factor **3.353**, Peripheral vascular disease, Rank 25.
- Zeller T, Frank U, Bürgelin KH, **Müller C**, Sinn L, Horn B, Cook-Bruns N, Neumann  
15. FJ: Early experience with a rotational thrombectomy device for treatment of acute  
and subacute infra-aortic arterial occlusions. J Endovasc Therapy 2003,10:322-331.  
Impact Factor **3.353**, Peripheral vascular disease,

- Mueller C**, Neumann FJ, Roskamm H, Buser P, Hodgson J.McB, Perruchoud AP, Buettner HJ: Women do have an improved long-term outcome after Non-ST-Elevation acute coronary syndromes treated very early and predominately with percutaneous coronary intervention: a prospective study in 1450 consecutive. J Am Coll Cardiol 2002;40:245-250  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems,
- 16.
- Mueller C**, Hodgson J.McB, Bestehorn HP, Brutsche M, Perruchoud AP, Marsch S, Roskamm H, Buettner HJ: Previous cytomegalovirus infection and restenosis after aggressive angioplasty with provisional stenting. J Intervent Cardiol 2003;16:307-13.  
Impact Factor **0.704**, Cardiac & Cardiovascular Systems, Rank 56.
- 17.
- Mueller C**, Hodgson J.McB, Brutsche M, Perruchoud AP, Marsch S, Hunziker P, Buettner HJ: Impact of intracoronary ultrasound guidance on long-term outcome of percutaneous coronary interventions in diabetics – insights from the randomized SIPS trial. Swiss Med Wkly 2002;132:279-284.  
Impact Factor **2.086**, Medicine, General & Internal, Rank 32.
- 18.
- Mueller C**, Roskamm H, Neumann FJ, Hunziker P, Marsch S, Perruchoud AP, Buettner HJ: A Randomized Comparison of Clopidogrel and Aspirin versus Ticlopidine and Aspirin after the Placement of Coronary-Artery Stents. J Am Coll Cardiol 2003;41:969-973.  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 2.
- 19.
- Zeller T, Frank U, **Müller C**, Bürgelin K, U Schwarzwälder, Horn B, Neumann FJ: Farbduplexsonographie zur Verlaufskontrolle nach Stent-PTRA ostialer Nierenarterienstenosen. Ultraschall in Med 2002;23:315-319.  
Impact Factor **2.394**, Radiology, Nuclear medicine & Medical Imaging, Rank 40.
- 20.
- Mueller C**, Hodgson J.McB, Schindler Ch, Perruchoud AP, Roskamm H, Buettner HJ: Cost-effectiveness of Intracoronary Ultrasound for Percutaneous Coronary Interventions. Am J Cardiol 2003;91:143-147.  
Impact Factor **3.276**, Cardiac & Cardiovascular Systems, Rank 15.
- 21.
- Mueller C**, Hodgson J.McB, Brutsche M, Bestehorn HP, Marsch S, Perruchoud AP, Buettner HJ: Operator Experience and Long Term Outcome After Percutaneous Coronary Intervention. Can J Cardiol 2003;19:1047-51.  
Impact Factor **3.711**, Cardiac & Cardiovascular Systems, Rank 48.
- 22.
- Mueller C**, Neumann FJ, Perruchoud AP, Buettner HJ: White Blood Cell Count and Long-term Mortality After Non-ST-Elevation Acute Coronary Syndrome Treated With a Very Early Revascularisation. Heart 2003 Apr;89(4):389-92.  
Impact Factor **5.595**, Cardiac & Cardiovascular Systems, Rank 8.
- 23.
- Marsch SCU, **Müller C**, Marquardt K, Conrad G, Tschann F, Hunziker PR.  
24. Human factors affect the quality of cardiopulmonary resuscitation in simulated cardiac arrests. Resuscitation 2004; 60:51-6.  
Impact Factor **4.167** Critical Care Medicine, Rank 8.

25. Arranto Ch, **Mueller C**, Hunziker P, Marsch SC, Eriksson U. Adverse cardiac events in ICU patients with presumptive antidepressant overdose. Swiss Med Wkly 2003;133:479-83.  
Impact Factor **2.086**, Medicine, General & Internal, Rank 32.
26. Zeller T, Frank U, **Müller C**, et al. Technological Advances in the Design of Catheters and Devices Used in Renal Artery Interventions. J Endovasc Therapy 2003;10:1006-14.  
Impact Factor **3.353**, Peripheral vascular disease, Rank 25.
27. Zeller T, Frank U, **Müller C**, et al. Predictors of improved renal function after percutaneous stent-supported angioplasty of severe atherosclerotic ostial renal artery stenosis. Circulation 2003;108:2244-9.  
Impact Factor **14.43**, Cardiac & Cardiovascular Systems, Rank 1.
28. Zeller T, **Müller C**, Frank U, et al. Gold coating and restenosis after primary stenting of ostial renal artery stenosis. Catheterization and Cardiovascular Interventions 2003;60:1-6.  
Impact Factor **1.519**, Cardiac & Cardiovascular Systems, Rank 30.
29. Zeller T, Frank U, **Müller C**, et al. Stent-supported angioplasty of severe atherosclerotic renal artery stenosis preserves renal function and improves blood pressure control: long-term results of a prospective registry with 456 lesions. J Endovasc Therapy 2004;11:95-106.  
Impact Factor **3.353**, Peripheral vascular disease, Rank 25.
30. **Mueller C**, Neumann FJ, Perruchoud AP, Buettner HJ. Renal Function and Long-Term Mortality After Unstable Angina/Non-ST Segment Elevation Myocardial Infarction Treated Very Early and Predominantly With Percutaneous Coronary Intervention, Heart 2004;90:902-7.  
Impact Factor **5.595**, Cardiac & Cardiovascular Systems, Rank 8.
31. **Mueller C**, Buerkle G, Perruchoud AP, Buettner HJ. Female Sex and the Risk of Contrast Nephropathy after Percutaneous Coronary Intervention. Can J Cardiol 2004;20:505-10.  
Impact Factor **3.711**, Cardiac & Cardiovascular Systems, Rank 40.
32. **Mueller C**, Scholer A, Laule-Kilian K, Schindler C, Martina B, Buser P, Pfisterer M, Perruchoud AP. Use of B-Type Natriuretic Peptide in the Evaluation and Management of Acute Dyspnea. N Engl J Med 2004;350:647-54.  
Impact Factor **55.873**, Medicine, General & Internal, Rank 1.
33. **Mueller C**, Neumann FJ, Perach W, Perruchoud AP, Buettner HJ. Prognostic Value of the Admission Electrocardiogram in Unstable Angina/Non-ST Segment Elevation Myocardial Infarction Treated With Very Early Revascularization. Am J Med 2004;117:145-50.  
Impact Factor **5.003**, Medicine, General & Internal, Rank 9.

34. **Mueller C**, Huber P, Laifer G, Mueller B, Perruchoud AP. Procalcitonin and the early diagnosis of infective endocarditis. *Circulation* 2004;109:1707-1710. Impact Factor **14.43**, Cardiac & Cardiovascular Systems, Rank 1.
35. **Mueller C**, Neumann FJ, Ferenc M, Perruchoud AP, Buettner HJ. Impact of Diabetes Mellitus on Long-Term Outcome After Unstable Angina and Non-ST-Segment Elevation Myocardial Infarction Treated With Very Early Revascularisation. *Diabetologia* 2004;47:1188-95. Impact Factor **6.671**, Endocrinology & Metabolism, Rank 12.
36. **Mueller C**, Neumann FJ, Perruchoud AP, Zeller T, Buettner HJ. Prognostic Value of Quantitative Troponin T Measurements in Unstable Angina/Non-ST-Segment Elevation Myocardial Infarction Treated Early and Predominately With Percutaneous Coronary Intervention. *Am J Med* 2004;117:897-902. Impact Factor **5.003**, Medicine, General & Internal, Rank 9.
37. **Mueller C**, Laule-Kilian K, Scholer A, Nusbaumer C, Zeller T, Staub D, Perruchoud AP. B-Type Natriuretic Peptide for Acute Dyspnea in Patients with Kidney Disease: Insights from a randomized comparison. *Kidney Int* 2005;67:278-84. Impact Factor **8.563**, Urology & Nephrology, Rank 2.
38. **Mueller C**, Laule-Kilian K, Scholer A, Frana B, Rodriguez D, Schindler C, Marsch S, Perruchoud AP. Use of B-Type Natriuretic Peptide for the Management of Women with Dyspnea. *Am J Cardiol* 2004;94:1510-4. Impact Factor **3.276**, Cardiac & Cardiovascular Systems, Rank 12.
39. Zeller T, Rastan A, Schwarzwälder U, Frank U, Bürgelin K, Amantea P, Flügel PC, **Müller C**, Neumann FJ. Percutaneous Peripheral Atherectomy of Femoropopliteal Stenoses Using a New Generation Device: Six-Month Results from a Single Centre Experience. *J Endovasc Therapy* 2004;11:676-85. Impact Factor **3.353**, Peripheral vascular disease, Rank 25.
40. Zeller T, Rastan A, Schwarzwälder U, Frank U, Bürgelin K, Amantea P, **Müller C**, Krankenberg H, Flügel PC, Neumann FJ. Midterm Results After Atherectomy-assisted angioplasty of below-knee arteries with use of the Silverhawk Device. *J Vasc Interv Radiol* 2004;15:1391-7. Impact Factor **2,212**, Peripheral vascular disease, Rank 19.
41. Zeller T, Koch H, Frank U, Burgelin K, Schwarzwälder U, **Müller C**, Rastan A, Amantea P, Neumann FJ. Histological verification of non-specific aorta-arteritis (Takayasu's arteritis) using percutaneous transluminal atherectomy. *Vasa* 2004;33:247-51. Impact Factor **0,491**, Peripheral vascular disease, Rank 45.
42. **Mueller C**, Laule-Kilian K, Frana B, Rodriguez D, Rudez J, Scholer A, Buser P, Pfisterer M, Perruchoud AP. The Use of B-Type Natriuretic Peptide in the Management of Elderly Patients with Acute Dyspnea. *J Intern Med* 2005;258:77-85. Impact Factor **6.063**, Medicine, General & Internal, Rank 13.

43. **Mueller C**, Frana B, Rodriguez D, Laule-Kilian K, Perruchoud AP. Emergency diagnosis of congestive heart failure: impact of symptoms and signs. *Can J Cardiol* 2005;21:921-924.  
Impact Factor **3.122**, Cardiac & Cardiovascular Systems, Rank 40.
44. **Mueller C**, Seidensticker P, Buettner HJ, Perruchoud AP, Staub D, Christ A, Buerkle G. Incidence of contrast nephropathy in patients receiving comprehensive intravenous and oral hydration. *Swiss Med Wkly* 2005;135:286-90.  
Impact Factor **2.086**, Medicine, General & Internal, Rank 32.
45. Staub D, Jonas N, Zellweger M, Nusbaumer C, Wild D, Pfisterer ME, Mueller-Brand J, Perruchoud AP, **Mueller C**. Use of N-terminal pro-B-type natriuretic peptide to detect myocardial ischemia. *Am J Med* 2005;118:1287.e9-1287.e16  
Impact Factor **5.003**, Medicine, General & Internal, Rank 10.
46. Bocek T, Morgenthaler NG, Staub D, Nusbaumer C, Christ A, Zellweger MJ, Mueller-Brand J, Mueller B, Perruchoud AP, **Mueller C**.  
Use of pro-atrial natriuretic peptide in the detection of myocardial ischemia. *Eur J Clin Invest* 2005;35:450-6.  
Impact Factor **2.734**, Medicine, General & Internal, Rank 18.
47. Zeller T, Rastan A, Kliem M, Schwarzwälder U, Frank U, Bürgelin K, Amantea P, **Müller C**, Neumann FJ. Impact of Carbon Coating on restenosis after stenting of atherosclerotic renal artery stenosis. *J Endovasc Therapy* 2005;12:605-11.  
Impact Factor **3.353**, Peripheral vascular disease, Rank 25.
48. **Mueller C**, Laule-Kilian K, Scholer A, Perruchoud AP. B-Type Natriuretic Peptide for Risk Stratification in Community-acquired Pneumonia. *J Intern Med* 2005;258:391-3.  
Impact Factor **6.063**, Medicine, General & Internal, Rank 12.
49. Christ-Crain M, Morgenthaler NG, Meier C, **Mueller C**, Nussbaumer C, Bergmann A, Staub JJ, Müller B. Pro-A-type and N-terminal pro-B-type natriuretic peptides in different thyroid function states. *Swiss Med Wkly* 2005;135:549-554.  
Impact Factor **2.086**, Medicine, General & Internal, Rank 32.
50. **Mueller C**, Laule-Kilian K, Frana B, Rodriguez D, Scholer A, Schindler C, Perruchoud AP. The Use of B-Type Natriuretic Peptide in the Management of Acute Dyspnea in Patients with Pulmonary Disease. *Am Heart J* 2006;151:471-477.  
Impact Factor **4.463**, Cardiac & Cardiovascular Systems, Rank 8.
51. Staub D, Nusbaumer C, Zellweger M, Jonas N, Wild D, Pfisterer ME, Mueller-Brand J, Perruchoud AP, **Mueller C**. Use of B-type natriuretic peptide in the detection of myocardial ischemia. *Am Heart J* 2006;151:1223-1230.  
Impact Factor **4.463**, Cardiac & Cardiovascular Systems, Rank 12.

52. Purek L, Laule-Kilian K, Christ A, Klima T, Pfisterer ME, Perruchoud AP, **Mueller C**. Coronary artery disease and outcome in acute congestive heart failure. *Heart* 2006;92:598-602.  
Impact Factor **5.595**, Cardiac & Cardiovascular Systems, Rank 10.
53. Mueller-Lenke N, Rudez J, Staub D, Laule-Kilian K, Perruchoud AP, **Mueller C**. Use of chest X-ray in the emergency diagnosis of acute congestive heart failure. *Heart* 2006;92:695-696.  
Impact Factor **5.595**, Cardiac & Cardiovascular Systems, Rank 10.
54. **Mueller C**, Laule-Kilian K, Christ A, Brunner-La Rocca HP, Perruchoud AP. Inflammation and long-term mortality in acute congestive heart failure. *Am Heart J* 2006;151:845-850.  
Impact Factor **4.463**, Cardiac & Cardiovascular Systems, Rank 12.
55. Conen D, Buerkle G, Perruchoud AP, Buettner HJ, **Mueller C**. Hypertension is an independent risk factor for contrast nephropathy after percutaneous coronary intervention. *Int J Cardiol* 2006;110:237-41.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 23.
56. **Mueller C**, Laule-Kilian K, Christ A, Perruchoud AP. The Use of B-Type Natriuretic Peptide in the Management of Patients with Diabetes and Acute Dyspnoea. *Diabetologia* 2006;49:629-636.  
Impact Factor **6.671**, Endocrinology & Metabolism, Rank 12.
57. **Mueller C**, Laule-Kilian K, Schindler C, Klima T, Frana B, Rodriguez D, Scholer A, Christ M, Perruchoud AP. Cost-effectiveness of B-Type Natriuretic Peptide Testing in Patients with Acute Dyspnea. *Archives of Internal Medicine* 2006;166:1081-1087.  
Impact Factor **17.333**, Medicine, General & Internal, Rank 6.
58. Ritter M, Laule-Kilian K, Klima T, Christ A, Christ M, Perruchoud AP, **Mueller C**. Gender differences in acute congestive heart failure. *Swiss Med Wkly* 2006;136:311-317.  
Impact Factor **2.086**, Medicine, General & Internal, Rank 32.
59. Christ M, Sharkova Y, Fenske H, Rostig S, Herzum I, Becker HF, **Mueller C**, Grimm W. Brain natriuretic peptide for prediction of Cheyne Stokes respiration in heart failure patients. *Int J Cardiol*. 2007;116:62-9. Epub 2006 Jul 3.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
60. **Mueller C**, Neumann FJ, Hochholzer W, Trenk D, Zeller T, Perruchoud AP, Buettner HJ. The Impact of Platelet Count on Mortality in Unstable Angina/Non-ST Segment Elevation Myocardial Infarction. *Am Heart J* 2006;151:1214.e1-1214.e7.  
Impact Factor **4.463**, Cardiac & Cardiovascular Systems, Rank 8.

61. Christ-Crain M, Stolz D, Bingisser R, **Müller C**, Miedinger D, Huber PR, Zimmerli W, Harbarth S, Tamm M, Müller B. Procalcitonin-Guidance of Antibiotic Therapy in Community-Acquired Pneumonia - A Randomized Trial. Am J Resp Crit Care 2006;174:84-93.  
Impact Factor **9.091**, Critical Care Medicine, Rank 1.
62. Zeller T, Rastan A, Sixt S, Schwarzwälder U, Schwarz T, Frank U, Bürgelin K, **Müller C**, Rothenpieler U, Flügel P-C, Tepe G, Neumann F-J. Long-term Results after Directional Atherectomy of Femoro-Popliteal Lesions. J Am Coll Cardiol 2006;48:1573-8.  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 2.



63. Christ M, Sharkova Y, Bayrakcioglu S, Herzum I, **Mueller C**, Grimm W. B-type natriuretic peptide levels predict event-free survival in patients with implantable cardioverter defibrillators. *Eur J Heart Fail* 2007;9:272-9.  
Impact Factor **6.526**, Cardiac & Cardiovascular Systems, Rank 13.
64. Christ-Crain M, Morgenthaler NG, Stolz D, **Müller C**, Bingisser R, Harbarth S, Tamm M, Struck J, Bergmann A, Müller B. Pro-adrenomedullin to predict severity and outcome in community-acquired pneumonia. *Critical Care* 2006;10:R96  
Epub 2006 Jun 28.  
Impact Factor **4.476**, Critical Care Medicine, Rank 3.
65. Christ A, Arranto C, Schindler C, Klima T, Hunziker P, Siegemund M, Marsch S, Eriksson U, **Mueller C**. Incidence, risk factors, and outcome of aspiration pneumonitis in ICU overdose patients. *Intensive Care Med* 2006;32:1423-7.  
Impact Factor **4.623**, Critical Care Medicine, Rank 3.
66. Christ M, Laule-Kilian K, Hochholzer W, Klima T, Breidhardt T, Perruchoud AP, **Mueller C**. Gender-specific risk stratification using B-type natriuretic peptide levels in patients with acute dyspnea: Insights from the BASEL study. *J Am Coll Cardiol* 2006;48:1808-12.  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 2.
67. Conen D, Jander N, Trenk D, Neumann FJ, **Mueller C**. The use of B-type natriuretic peptides in the detection of myocardial ischemia in settings with rapid access to coronary angiography. *Int J Cardiol* 2007;119:416-8.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
68. **Mueller C**, Laule-Kilian K, Breidhardt T, Hochholzer W, Perruchoud AP, Christ M. Right bundle branch block and long-term mortality in patients with acute congestive heart failure. *J Intern Med* 2006;260:421-8.  
Impact Factor **6.063**, Medicine, General & Internal, Rank 12.
69. Müller B, Süess E, Morgenthaler NG, Schuetz P, Stolz D, Tamm M, Bingisser R, **Müller C**, Bergmann A, Christ-Crain M. Circulating levels of pro-atrial natriuretic peptide (NT-proANP) in lower respiratory tract infections. *J Intern Med* 2006;260:568-76.  
Impact Factor **6.063**, Medicine, General & Internal, Rank 12.
70. Pfisterer M, Brunner-La Rocca HP, Buser PT, Rickenbacher P, Hunziker P, **Mueller C**, Jeger R, Bader F, Osswald S, Kaiser C. Late clinical events after clopidogrel discontinuation may limit the benefit of drug-eluting stents: an observational study of drug-eluting vs. bare-metal stents. *J Am Coll Cardiol* 2006;48:2584-91.  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 2.
71. Wermuth J, Staub D, Laule-Kilian K, Nusbaumer C, Breidhardt T, Hochholzer W, Christ M, **Mueller C**. Neurohormonal activation and left ventricular ejection fraction in patients with suspected myocardial ischemia. *Int J Cardiol* 2007;120:248-53.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.

72. Staub D, Futterer M, Morgenthaler N, Nusbaumer C, Zellweger M, **Mueller C**. Use of midregional proadrenomedullin in the detection of myocardial ischemia. *Eur J Clin Invest* 2007;37:83-4.  
Impact Factor **2.734**, Medicine, General & Internal, Rank 18.
73. Müller B, Morgenthaler NG, Stolz D, Schuetz P, **Müller C**, Bingisser R, Bergmann A, Tamm M, Christ-Crain M. Circulating levels of copeptin, a novel biomarker, in lower respiratory tract infections. *Eur J Clin Invest* 2007;37:145-52.  
Impact Factor **2.734**, Medicine, General & Internal, Rank 18.
74. Stolz D, Christ-Crain M, Bingisser R, Leuppi J, Miedinger D, **Müller C**, Huber P, Müller B, Tamm M. Antibiotic treatment of exacerbations of COPD: a randomized, controlled trial comparing procalcitonin-guidance with standard therapy. *Chest* 2007;131:9-19.  
Impact Factor **7.483**, Cardiac & Cardiovascular Systems, Rank 13.
75. Stolz D, Christ-Crain M, Bingisser R, Leuppi J, **Müller C**, Müller B, Tamm M. Copeptin, C-reactive protein and Procalcitonin as prognostic biomarkers in acute exacerbation of COPD. *Chest* 2007;131:1058-67.  
Impact Factor **7.483**, Cardiac & Cardiovascular Systems, Rank 13.
76. Zeller T, Sixt S, Schwarzwälder U, Schwarz T, Frank U, Bürgelin K, Pochert V, **Müller C**, Noory E, Krankenberg H, Hauswald K, Neumann F-J, Rastan A. Two-year results after directional atherectomy of infrapopliteal arteries with the SilverHawk device. *J Endovasc Therapy* 2007;14:232-40.  
Impact Factor **3.353**, Peripheral vascular disease, Rank 25.
77. Zeller T, Rastan A, Schwarzwälder U, **Müller C**, Frank U, Bürgelin K, Sixt S, Schwarz T, Noory E, Neumann FJ. Regression of left ventricular hypertrophy following stenting of renal artery stenosis. *J Endovasc Therapy* 2007;14:189-97.  
Impact Factor **3.353**, Peripheral vascular disease, Rank 25.
78. Breidthardt T, Christ M, Matti M, Schrafl D, Laule K, Noveanu M, Boldanova T, Klima T, Hochholzer W, Perruchoud AP, **Mueller C**. QRS and QTc interval prolongation in the prediction of long-term mortality of patients with acute destabilized heart failure. *Heart* 2007;93:1093-7.  
Impact Factor **5.595**, Cardiac & Cardiovascular Systems, Rank 10.
79. Zeller T, Rastan A, Schwarzwälder U, **Mueller C**, Frank U, Sixt S, Bürgelin KH, Schwarz T, Hauswald K, Branter R, Noory E, Neumann FJ. Treatment of in-stent restenosis following stent-supported renal artery angioplasty. *Catheterization and Cardiovascular Interventions* 2007;70:454-9.  
Impact Factor **2.248**, Cardiac & Cardiovascular Systems, Rank 32.
80. Müller B, Harbarth S, Stolz D, Bingisser R, **Mueller C**, Leuppi J, Nusbaumer C, Tamm M, Christ-Crain M. Diagnostic and prognostic accuracy of clinical and laboratory parameters in community-acquired pneumonia. *BMC Infectious Diseases* 2007;7:10  
Impact Factor **1.956**, Infectious disease, Rank 29.

81. Zeller T, Rastan A, Schwarzwälder U, Schwarz T, Frank U, Bürgelin KH, Sixt S, **Müller C**, Rothenspieler U, Flügel PC, Neumann FJ. Endovascular therapy of chronic mesenteric ischemia. *EuroInterv* 2007;2:444-451.  
Impact Factor ???, ???, Rank ??.
82. Christ M, Laule K, Klima T, Hochholzer W, Breidhardt T, Perruchoud AP, **Mueller C**. Multimarker strategy for risk prediction in patients presenting with acute dyspnea to the emergency department. *Int J Cardiol* 2008 May 7;126(1):73-8.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
83. Breidhardt T, Laule K, Strohmeyer AH, Schindler C, Meier S, Fischer M, Scholer A, Noveanu M, Christ M, Perruchoud AP **Mueller C**. Medical and economic long-term effects of B-type natriuretic peptide testing in patients with acute dyspnea. *Clin Chem* 2007;53:1415-22.  
Impact Factor **7.911**, Medical Laboratory technology, Rank 1.
84. Buettner HJ, **Mueller C**, Gick M, Ferenc M, Allgeier J, Comberg T, Werner KD, Schindler C, Neumann FJ. The impact of obesity on mortality in unstable angina/non-ST segment elevation myocardial infarction. *Eur Heart J* 2007;28:1694-701.  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.
85. Christ-Crain M, Stolz D, Jutla S, Couppis O, **Mueller C**, Bingisser R, Schuetz P, Tamm M, Edwards R, Müller B, Grossman AB. Free and total cortisol levels as predictors of severity and outcome in community-acquired pneumonia. *Am J Resp Crit Care* 2007;176:913-20.  
Impact Factor **9.091**, Critical Care Medicine, Rank 1.
86. Christ M, Thuerlimann A, Laule K, Klima T, Hochholzer W, Perruchoud AP, **Mueller C**. Long-term prognostic value of B-type natriuretic peptide level in cardiac and non-cardiac causes of acute dyspnea. *Eur J Clin Invest* 2007;37:834-41.  
Impact Factor **2.734**, Medicine, General & Internal, Rank 18.
87. Hochholzer W, Buettner HJ, Trenk D, Laule K, Christ M, Neumann FJ, **Mueller C**. New definition of myocardial infarction: impact on long-term mortality. *Am J Med* 2008;121:399-405.  
Impact Factor **6.063**, Medicine, General & Internal, Rank 10.
88. Breidhardt T, Christ-Crain M, Stolz D, Zobrist K, Bingisser R, Miedinger D, Leuppi J, Tamm M, Müller B, **Mueller C**. Use of B-type natriuretic peptide in the risk stratification of community-acquired pneumonia. *J Intern Med* 2008;264:166-176.  
Impact Factor **6.063**, Medicine, General & Internal, Rank 11.

89. Zeller T, Sixt S, Rastan A, Schwarzwälder U, **Müller C**, Noory E, Bürgelin K, Schwarz T, Hauswald K, Brantner R, Franz-Josef Neumann. Treatment of Reoccurring Instent Restenosis Following Reintervention after Stent-supported Renal Artery Angioplasty. *Catheter Cardiovasc Interv.* 2007;70:296-300  
 Impact Factor **2.248**, Cardiac & Cardiovascular Systems, Rank 32.M
90. Stolz D, Breidhardt T, Christ-Crain M, Bingisser R, Miedinger D, Leuppi J, Müller B, Tamm M, **Mueller C**. Use of B-type Natriuretic Peptide in the Risk Stratification of Acute Exacerbations of Chronic Obstructive Pulmonary Disease. *Chest* 2008;133:1088-94.  
 Impact Factor **7.483**, Cardiac & Cardiovascular Systems, Rank 13.
91. Studler U, Kretschmar M, Christ M, Breidhardt T, Noveanu M, Schoetzau A, Perruchoud AP, Steinbrich W, **Mueller C**. Accuracy of Chest Radiographs in the Emergency Diagnosis of Heart Failure. *Eur Radiology* 2008; 18:1644-52.  
 Impact Factor **3.651**, Radiology, Rank 14
92. Hochholzer W, Buettner HJ, Trenk D, Breidhardt T, Noveanu M, Laule K, Christ M, Schindler C, Neumann FJ, **Mueller C**. Percutaneous coronary intervention versus coronary artery bypass grafting as primary revascularization in patients acute coronary syndrome. *Am J Cardiol* 2008;102:173-179.  
 Impact Factor **3.276**, Cardiac & Cardiovascular Systems, Rank 12.
93. Schuetz P, Koller M, Christ-Crain M, Steyerberg E, Stolz D, **Mueller C**, Bucher HC, Bingisser R, Tamm M, Müller B. Predicting mortality with pneumonia severity scores: importance of model recalibration to local settings. *Epidemiology Infection* 2008;27:1-10.  
 Impact Factor **2.535**, Infectious Diseases, Rank 36.
94. Mueller-Lenke N, Buerkle G, Klima T, Breidhardt T, Buettner HJ, **Mueller C**. Incidence of Contrast-induced nephropathy with volume supplementation – insights from a large cohort. *Med Prin Prac* 2008;17:409-14.  
 Impact Factor **0.442**, Medicine, General & Internal, Rank 82.
95. Stolz D, Christ-Crain M, Morgenthaler NG, Miedinger D, Leuppi J, **Müller C**, Bingisser R, Struck J, Müller B, Tamm M. Plasma pro-adrenomedullin but not plasma pro-endothelin predicts survival in exacerbations of COPD. *Chest* 2008;134:263-72.  
 Impact Factor **7.483**, Cardiac & Cardiovascular Systems, Rank 13.
96. Klima T, Schindler C, Christ M, Rosser A, Breidhardt T, Hochholzer W, Laule K, **Mueller C**. Impact of body temperature on in-hospital and long-term mortality in patients with acute heart failure. *Swiss Med Wkly* 2008;138:299-304.  
 Impact Factor **2.086**, Medicine, General & Internal, Rank 32.

- Sixt S, Alawied AK, Rastan A, Schwarzwälder U, Noory E, Schwarz T, Frank U, **Müller C**, Hauk M, Beschorner U, Bürgelin K, Neumann FJ, Zeller T. Acute and long-term outcome of aortoiliac endovascular therapy according to the TASC classification: a single center experience. *J Endovasc Therapy* 2008; 15:408-16.  
Impact Factor **3.353**, Peripheral vascular disease, Rank 25.
- Valaperti A; Marty RR; Kania G; Germano D; Mauermann N; Dirnhofer S; Leimenstoll B; Blyszczuk P; Dong C; **Mueller C**; Hunziker L; Eriksson U, CD11b+ monocytes abrogate Th17 CD4+ T cell-mediated experimental autoimmune myocarditis. *J Immunol* 2008;180(4):2686-95.  
Impact Factor **5.362**, Immunology, Rank 11.
- Staub D, Jauslin D, Freidank H, Taegtmeyer A, Breidhardt T, Christ M, C, Zellweger M, **Mueller C**. Use of changes in B-type natriuretic peptides to detect ischemia in selected patients. *Int J Cardiol* 2009;136:40-6.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
- Breidhardt T, Noveanu M, Cayir S, Viglino M, Laule K, Hochholzer W, Reichlin T, Potocki M, Christ M, **Mueller C**. The Use of B-Type Natriuretic Peptide in the Management of Patients with Atrial Fibrillation and Dyspnea. *Int J Cardiol* 2009;136:193-9.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
- Schuetz P, Stolz D, Mueller B, Morgenthaler NG, Struck J, **Mueller C**, Bingisser R, Tamm M, Christ-Crain M. Endothelin-1 precursor peptides correlate with severity of disease and outcome in patients with community acquired pneumonia. *BMC Infectious Diseases* 2008;8:22.  
Impact Factor **2.613**, Infectious disease, Rank 29.
- Mueller C**, Maeder MT, Christ A, Reichlin T, Staub D, Noveanu M, Breidhardt T, Potocki M, Brutsche MH. B-Type Natriuretic Peptides for the Evaluation of Exercise Intolerance. *Am J Med* 2009;122:265-72.  
Impact Factor **6.063**, Medicine, General & Internal, Rank 10.
- Staub D, Morgenthaler NG, Buser C, Breidhardt T, Potocki M, Noveanu M, Reichlin T, Bergmann A, **Mueller C**. Use of copeptin in the detection of myocardial ischemia. *Clin Chem Acta* 2009;399:69-73.  
Impact Factor **2.824**, Medical Laboratory Technology, Rank 4.
- Pfisterer MT, Brunner-La Rocca HP, Rickenbacher P, Hunziker P, **Mueller C**, Nietlisbach F, Leibundgut G, Bader F, Pfisterer MT, Kaiser C. Long-term benefit-risk balance of drug-eluting vs. bare-metal stents in daily practice: does stent diameter matter? Three-year follow-up of BASKET. *Eur Heart J* 2009;30:16-24.  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.
- Maeder M, Brutsche M, Staub D, Morgenthaler N, Bergmann A, Noveanu M, Laule K, Breidhardt T, Christ A, Klima T, Reichlin T, Potocki M, **Mueller C**. B-type natriuretic peptide and C-terminal-pro-endothelin-1 for the prediction of severely impaired peak oxygen consumption. *J Intern Med* 2009;265:604-15.

Impact Factor **6.063**, Medicine, General & Internal, Rank 11

- Collins SP, Peacock WF, Lindsell CJ, Clopton P, Diercks DB, Hogan C, Kontos MC, **Mueller C**, ..., Maisel A. S3 Detection as a Diagnostic and Prognostic Aid in  
106. Emergency Department Patients with Acute Dyspnea: Primary Results from the HEARD-IT Multinational Investigation. *Annals of Emergency Medicine* 2009;53:748-57.  
Impact Factor **5.86700**, Emergency Medicine, Rank 1
- Boldanova T, Noveanu M, Breidhardt T, Potocki M, Reichlin T, Taegtmeyer A, Christ M, Laule K, Stelzig C, **Mueller C**.  
107. Impact of prior history of heart failure on diagnostic and prognostic value of BNP. *Int J Cardiol* 2010 Jul 23;142(3):265-72.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6
- Maeder M, Brutsche M, Staub D, Morgenthaler N, Bergmann A, Noveanu M, Laule K, Breidhardt T, Christ A, Klima T, Reichlin T, Potocki M, **Mueller C**. NATRIURETIC PEPTIDES FOR THE PREDICTION OF SEVERLY IMPAIRED PEAK VO2 IN PATIENTS WITH LUNG DISEASE. *Respiratory Medicine* 2009;103:1337-45.  
108. Impact Factor **3.086**, Respiratory System, Rank 16
- Gruber M, Christ-Crain M, Stolz D, Keller U, **Mueller C**, Bingisser R, Tamm M, Mueller B, Schuetz P. Diagnostic and prognostic impact of plasma lipids in patients with lower respiratory tract infections - an observational study *Swiss Med Wkly* 2009;139:166-72.  
109. Impact Factor **2.086**, Medicine, General & Internal, Rank 32
- Reichlin T, Hochholzer W, Stelzig C, Laule K, Freidank H, Morgenthaler NG, Bergmann A, Potocki M, Noveanu M, Breidhardt T, Christ A, Boldanova T, Merki R, Schaub N, Bingisser R, Christ M, **Mueller C**.  
110. Incremental Value of Copeptin for Rapid Rule out of Acute Myocardial Infarction. *J Am Coll Cardiol* 2009;54:60-8.  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 2.
- Reichlin T, Potocki M, Breidhardt T, Hartwiger S, Burri E, Noveanu M, Stelzig C, Laule K, Boldanova T, **Mueller C**.  
111. Diagnostic and Prognostic Value of Uric Acid in Patients with Acute Dyspnea. *Am J Med* 2009;122:1054.e7-1054.e14.  
Impact Factor **6.063**, Medicine, General & Internal, Rank 10.
- Reichlin T, Hochholzer W, Bassetti S, Steuer S, Stelzig C, Hartwiger S, Biedert S, Schaub N, Buerge C, Potocki M, Noveanu M, Breidhardt T, Twerenbold R, Winkler K, Bingisser R, **Mueller C**.  
112. Early Diagnosis of Acute Myocardial Infarction Using More Sensitive Cardiac Troponin Assays. *N Engl J Med* 2009; 361:858-67.  
Impact Factor **55.873**, Medicine, General & Internal, Rank 1.
- Potocki M, Mair J, Weber M, Hamm C, Burkard T, Hiemetzberger R, Peters K, Jander N, Cron TA, Hess N, Hoffmann A, Gekeler H, Gohlke-Bärwolf C, Buser P, **Mueller C**.  
113. Relation of N-Terminal Pro-B-Type Natriuretic Peptide to Symptoms, Severity and Left Ventricular Remodeling in Patients with Organic Mitral Regurgitation. *Am J Cardiol* 2009;104:559-64.

Impact Factor **3.276**, Cardiac & Cardiovascular Systems, Rank 12.

114. Noveanu M, Boldanova T, Reichlin T, Potocki M, Breidthardt T, **Mueller C**.  
B-Type Natriuretic Peptide Guided Management and Outcome in Patients with  
Obesity and Dyspnea - Results from the BASEL-Study. Am Heart J 2009;158:488-95.  
Impact Factor **4.463**, Cardiac & Cardiovascular Systems, Rank 8.
115. Breidthardt T, Noveanu M, Potocki M, Reichlin T, Egli P, Hartwiger S,  
Socrates T, Gayat E, Christ M, Mebazaa A, **Mueller C**.  
Impact of a High-Dose Nitrate Strategy on Cardiac Stress in Acute  
Heart Failure: a Pilot Study. J Intern Med 2010;267:322-30.  
Impact Factor **6.063**, Medicine, General & Internal, Rank 11
116. Potocki M, Breidthardt T, Wetzel K, Noveanu M, Reichlin T, Hartwiger  
S, Christ M, Bingisser R, Boldanova T, **Mueller C**.  
Comparison of Midregional Pro-Atrial Natriuretic Peptide with N-  
Terminal Pro-B-Type Natriuretic Peptide in the Diagnosis of Heart  
Failure. J Intern Med 2010;267:119-229.  
Impact Factor **6.063**, Medicine, General & Internal, Rank 11
117. Potocki M, Breidthardt T, Reichlin T, Morgenthaler NG, Bergmann A,  
Noveanu M, Schaub N, Uthoff H, Freidank H, Buser L, Bingisser R,  
Christ M, Mebazaa A, **Mueller C**.  
Midregional pro-Adrenomedullin in addition to B-type natriuretic  
peptides in the risk stratification of patients with acute dyspnea: an  
observational study. Critical Care 2009; 13(4):R122. Epub 2009 Jul 23.  
Impact Factor **4.476**, Critical Care Medicine, Rank 3.
118. Maeder M, Staub D, Morgenthaler N, Bergmann A, Noveanu M,  
Breidthardt T, Reichlin T, Potocki M, **Mueller C**.  
Determinants of absolute and relative exercise-induced changes in B-  
type natriuretic peptides. Int J Cardiol 2011;147:409-15.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6
119. Maisel AS, **Mueller C**, et al.. Mid-Region ProHormones for Diagnosis  
and Risk Stratification of Patients with Acute Dyspnea: Primary Results  
from the BACH (Biomarkers in Acute Heart failure) Trial.  
J Am Coll Cardiol 2010;55:2062-76.  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 2.
120. Maeder M, Staub D, Brutsche MH, Arenja N, Socrates T, Reiter M,  
Meisser J, Morgenthaler NG, Bergmann A, Struck J, **Mueller C**.  
The Copeptin Response to Clinical Maximal Exercise tests.  
Clin Chem 2010;56:674-6.  
Impact Factor **7.911**, Medical Laboratory technology, Rank 1.
121. Maeder MT, Brutsche MH, Christ A, Staub D, Noveanu M, Breidthardt  
T, Schaub N, Potocki M, Reichlin T, Morgenthaler NG, Bergmann A,  
**Mueller C**.  
Midregional pro-A-type natriuretic peptide for the evaluation of exercise  
intolerance.

Int J Cardiol 2010;145:326-8.

Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.

122. Breidthardt T, Kindler C, Schindler C, Futterer M, Yonokawa K, **Mueller C**. B-type natriuretic peptide in patients undergoing orthopedic surgery. A prospective cohort study.  
Eur J Anaesthesiol 2010;27:690-5.  
Impact Factor **1.550**, Anaesthesiology, Rank 14.

123. Uthoff H, Thalhammer C, Potocki M, Reichlin T, Noveanu M, Aschwanden M, Staub D, Arenja N, Socrates T, Twerenbold R, Mutschmann-Sanchez S, Heinisch C, Jaeger KA, Mebazaa A, **Mueller C**.  
Central Venous Pressure at Emergency Room Presentation Predicts Cardiac Rehospitalization in Patients with Decompensated Heart Failure.  
Eur J Heart Fail 2010;12:469-76.  
Impact Factor **6.526**, Cardiac & Cardiovascular Systems, Rank 7.

124. Reichlin T, Socrates T, Egli P, Potocki M, Breidthardt T, Arenja N, Meissner J, Noveanu M, Reiter M, Twerenbold R, Schaub N, Buser A, **Mueller C**.  
Use of Myeloperoxidase for Risk Stratification in Acute Heart Failure. Clin Chem 2010;56:944-51.  
Impact Factor **7.911**, Medical Laboratory technology, Rank 1.

125. Maisel AS, Peacock WF, Shah K, Clopton P, Diercks D, Hiestand B, Kontos MC, **Mueller C**, Nowak R, Collins SP, Collins P.  
Acoustic Cardiography S3 Detection Utility in Problematic Subgroups and BNP "grey zone"  
Am J Emerg Med 2010; in press.[Epub ahead of print]  
Impact Factor **1.188**, Emergency Medicine, Rank 7

126. Maeder M, Brutsche M, Morgenthaler N, Bergmann A, Meissner J, Arenja N, Socrates T, Reiter M, Staub D, **Mueller C**.  
Biomarkers and Peak Oxygen Uptake in Patients with Chronic Lung Disease  
Respiration 2010; 80(6):543-52. Epub 2010 Jul 17  
Impact Factor **1.985**, Respiratory System, Rank 22

127. Kaiser C, Galatius S, Erne P, Eberli F, Alber H, Rickli H, Pedrazzini G, Hornig B, Bertel O, Bonetti P, ....**Mueller C**... Pfisterer M; BASKET-PROVE Study Group.  
Drug-eluting versus bare-metal stents in large coronary arteries.  
N Engl J Med 2010; 361:858-67.  
Impact Factor **55.873**, Medicine, General & Internal, Rank 1.

128. Socrates T, deFilippi C, Reichlin T, Breidthardt T, Twerenbold R, Potocki M, Noveanu M, Arenja N, Reiter M, Jaeger C, Heinisch C, Meissner J, Christenson R, **Mueller C**.  
Interleukin Family Member ST2 and Mortality in Acute Dyspnea  
J Intern Med 2010; Nov;268(5):493-500. doi: 10.1111/j.1365-2796.2010.02263.x.  
Impact Factor **6.063**, Medicine, General & Internal, Rank 11



129. Staub D, Zeller T, Trenk D, Maushart C, Uthoff H, Breidhardt T, Klima T, Aschwanden M, Socrates T, Arenja N, Twerenbold R, Rastan A, Sixt S, Jacob AL, Jaeger KA, **Mueller C**.  
Use of B-Type Natriuretic Peptide to Predict Blood Pressure Improvement After Percutaneous Revascularization for Renal Artery Stenosis  
Eur J Vasc Endovasc 2010; Nov;40(5):599-607. Epub 2010 Aug 23.  
Impact Factor **2.490**, Peripheral vascular Disease, Rank 20
130. Uthoff H, Breidhardt T, Klima T, Aschwanden M, Arenja N, Socrates T, Heinisch C, Noveanu M, Frischknecht B, Baumann U, Jaeger KA, **Mueller C**.  
Central venous pressure and impaired renal function in patients with acute heart failure.  
Eur J Heart Fail 2011; Apr;13(4):432-9. Epub 2010 Nov 18.  
Impact Factor **6.526**, Cardiac & Cardiovascular Systems, Rank 7.  
Breidhardt T, Socrates T, Noveanu M, Klima T, Heinisch C, Reichlin T, Potocki M, Nowak A, Tschung C, Arenja N, Bingisser R, **Mueller C**.
131. Impact and Clinical Prediction of Worsening Renal Function in Acute Decompensated Heart Failure.  
Am J Cardiol 2011;107:730-5.  
Impact Factor **3.276**, Cardiac & Cardiovascular Systems, Rank 12.
132. Noveanu M, Pargger H, Breidhardt T, Reichlin T, Schindler C, Heise A, Schoenenberger R, Mandorff P, Siegemund M, Mebazaa A, Marsch S, **Mueller C**.  
Use of B-Type Natriuretic Peptide in the Management of Hypoxemic Respiratory Failure.  
Eur J Heart Fail 2011; Feb;13(2):154-62. Epub 2010 Oct 29.  
Impact Factor 6.526, Cardiac & Cardiovascular Systems, Rank 7.
133. Noveanu M, Breidhardt T, Potocki M, Reichlin T, Socrates T, Arenja N, Reiter M, Twerenbold R, Meissner J, Heinisch C, Stalder S, **Mueller C**.  
Direct Comparison of Serial B-type Natriuretic Peptide and NT-proBNP Levels for Prediction of Short and Long Term Outcome in Acute Decompensated Heart Failure.  
Critical Care 2011; Jan 5;15(1):R1. [Epub ahead of print]  
Impact Factor **4.476**, Critical Care Medicine, Rank 3.
134. Lam LL, Cameron PA, Schneider HG, Abramson MJ, **Mueller C**, Krum H. Meta-analysis: Effect On Clinical Outcomes Of B-type Natriuretic Peptide Testing In Patients With Acute Dyspnea In The Emergency Setting.  
Annals of Internal Medicine 2010; 2010 Dec 7;153(11):728-35  
Impact Factor **16.225**, , Medicine, General & Internal, Rank 4.
135. Hochholzer W, Reichlin T, Stelzig C, Hochholzer K, Meissner J, Breidhardt T, Reiter M, Duehler B, Freidank F, Winkler K, Twerenbold R, **Mueller C**.  
Impact of soluble fms-like tyrosine kinase 1 and placental growth factor serum levels for risk stratification and early diagnosis in patients with suspected acute myocardial infarction.  
Eur Heart J 2011; Feb;32(3):326-35. Epub 2010 Dec 7.

Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.

Noveanu M, Breidthardt T, Reichlin T, Gayat E, Potocki M, Pargger H, Heise A, Meissner J, Twerenbold R, Muravitskaya N, Mebazaa A, **Mueller C.**

136. Effect of oral beta-blocker on short and long-term mortality in patients with acute respiratory failure: results from the BASEL-II-ICU Study .

Crit Care 2010; 14(6):R198. Epub 2010 Nov 3.

Impact Factor **4.476**, Critical Care Medicine, Rank 3.

137. Diercks D, Collins S, Hiestand B, Kirk J, Kontos M, Mueller C, Maisel A, Peacock W. Disparity Of Care In The Acute Treatment Of Patients With Heart Failure

Acad Emerg Med 2011Jan;18(1):15-21. doi: 10.1111/j.1553-2712.2010.00950.x.

Impact Factor **2.460**, Emergency Medicine, Rank 3

138. Meissner M, Irfan A, Twerenbold R, Mueller S, Reiter M, Haaf P, Reichlin T, Schaub N, Winkler K, Pfister O, Heinisch C, **Mueller C.**

Use of Neutrophil Count in Early Diagnosis and Risk Stratification of AMI

Am J Med 2011; Jun;124(6):534-42. Epub 2011 Apr 19.

Impact Factor **6.063**, Medicine, General & Internal, Rank 10.

139. Haaf P, Reichlin T, Corson N, Twerenbold R, Reiter M, Steuer S, Bassetti S, Winkler K, Stelzig S, Heinisch H, Drexler B, Freidank H, **Mueller C.**

B-type Natriuretic Peptide in the Early Diagnosis and Risk Stratification of Acute Chest Pain.

Am J Med 2011; May;124(5):444-52.

Impact Factor **6.063**, Medicine, General & Internal, Rank 10.

140. Potocki M, Breidthardt T, Mueller A, Socrates T, Arenja N, Reiter M, Morgenthaler NG, Bergmann A, Noveanu M, Buser PT, **Mueller C.**

Copeptin and risk stratification in patients with acute dyspnea.

Critical Care 2010; Nov 24;14(6):R213. [Epub ahead of print].

Impact Factor **4.476**, Critical Care Medicine, Rank 3.

141. Meissner M, Naef H, Darga J, Kovacs M, Weber M, Hamm C, Möllmann H, Twerenbold R, Reiter M, Heinisch C, Stelzig C, Reichlin T, **Mueller C.**

Endogenous stress response in Tako-Tsubo cardiomyopathy and acute myocardial infarction.

Eur J Clin Invest 2011;Mar 9. doi: 10.1111/j.1365-2362.2011.02487.x.

Impact Factor **2.734**, Medicine, General & Internal, Rank 18.

142. Twerenbold R, Zehnder A, Breidthardt T, Reichlin T, Schaub N, Reiter M, Laifer G, Bingisser R, **Mueller C.**

Limitations of infrared ear temperature measurement in clinical practice.

Swiss Med Wkly 2010; 140:w13131.

Impact Factor **2.086**, Medicine, General & Internal, Rank 32.

143. Reiter M, Twerenbold R, Reichlin T, Hochholzer W, Breidthardt T, Peter F, Meissner J, Heinisch C, Haaf P, Stelzig C, Freese M, Freidank H, Winkler K, Gea J, Campodarve I, **Mueller C.**

Early Diagnosis of Acute Myocardial Infarction in the Elderly Using More Sensitive Cardiac Troponin Assays.

Eur Heart J 2011; Jun;32(11):1379-89. Epub 2011 Feb 28.

Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.

144. Haaf P, Balmelli C, Reichlin T, Twerenbold R, Reiter M, Meissner J, Schaub N, Stelzig C, Freese M, Paniz P, Meune C, Drexler B, Freidank H, Winkler K, Hochholzer W, **Mueller C**.  
N-terminal pro B-type natriuretic peptide in the Early Diagnosis and Risk Stratification of Suspected Acute Myocardial Infarction.  
Am J Med 2011 Aug;124(8):731-9.  
Impact Factor **5.003**, Medicine, General & Internal, Rank 10.
145. Peacock W, Nowak R, Christenson R, Disomma S, Neath SX, Hartmann O, **Mueller C**, Ponikowski P, Möckel M, Hogan C, Wu AH, Richards M, Filippatos GS, Anand I, Ng LL, Daniels LB, Morgenthaler N, Anker SD, Maisel AS.  
Short Term Mortality Risk in Emergency Department Acute Heart Failure.  
Acad Emerg Med 2011 Sep;18(9):947-958. doi: 10.1111/j.1553-2712.2011.01150.x.  
Impact Factor **2.460**, Emergency Medicine, Rank 3
146. Meune C, Drexler B, Haaf, P, Reichlin T, Reiter M, Meissner J, Twerenbold R, Stelzig C, Freese M, Winkler K, **Mueller C**.  
The GRACE score's performance to predict in-hospital and 1-year outcome in the era of high-sensitive cardiac troponin assay and B-type natriuretic peptide  
Heart 2011;97:1479-83.  
Impact Factor **5.595**, Cardiac & Cardiovascular Systems, Rank 10.
147. Breidhardt T, Kalbermatter S, Socrates T, Noveanu M, Klima T, Mebazaa A, **Mueller C**, Kiss D.  
Increasing B-Type Natriuretic Peptide Levels Predict Mortality in Unselected Hemodialysis Patients  
Eur J Heart Fail 2011, May 30. [Epub ahead of print].  
Impact Factor **6.526**, Cardiac & Cardiovascular Systems, Rank 7.
148. Breidhardt T, Christ-Crain M, Stolz D, Bingisser R, Drexler B, Klima T, Balmelli C, Schütz P, Haaf P, Schäfer M, Tamm M, Müller B, **Mueller C**.  
A Combined Cardiorenal Assessment for the Prediction of Acute Kidney Injury in Lower Respiratory Tract Infections  
Am J Med 2012; Feb;125(2):168-75.  
Impact Factor **5.003**, Medicine, General & Internal, Rank 10.
149. Burri E, Potocki M, Drexler B, Schuetz P, Mebazaa A, Ahlfeld U, Balmelli C, Heinisch C, Noveanu M, Breidhardt T, Schaub N, Reichlin T, **Mueller C**.  
Value of arterial blood gas analysis in patients with acute dyspnea: an observational study.  
Critical Care 2011; Jun 9;15(3):R145. [Epub ahead of print]  
Impact Factor **4.476**, Critical Care Medicine, Rank 3.
150. Irfan A, Haaf P, Meissner J, Twerenbold R, Reiter M, Reichlin T, Schaub N, Zbinden A, Heinisch C, Drexler B, Winkler K, **Mueller C**.  
Systolic Blood Pressure at ED Presentation and 1-year mortality in Acute Chest Pain patients

Eur J Intern Med 2011;22:495-500.

Impact Factor **2.891**, General & Internal, Rank 60

151. Reichlin T, Irfan A, Twerenbold R, Reiter M, Hochholzer W, Crettol H, Bassetti S, Steuer S, Winkler K, Peter F, Meissner J, Haaf P, Potocki M, Drexler B, Osswald S, **Mueller C**.

Utility of Absolute and Relative Changes in Cardiac Troponin Concentrations in the Early Diagnosis of Acute Myocardial Infarction. *Circulation* 2011;124:136-45. Impact Factor **14.43** Cardiac & Cardiovascular Systems, Rank 1.

152. Maisel AS, **Mueller C**, Nowak RM, Peacock WF, Ponikowski P, Mockel M, Hogan C, Wu AH, Richards M, Clopton P, Filippatos GS, Di Somma S, Anand I, Ng LL, Daniels LB, Neath SX, Christenson R, Potocki M, McCord J, Hartmann O, Morgenthaler NG, Anker SD. Mid-Region ProHormone Adrenomedulin and Prognosis in Patients Presenting with Acute Dyspnea: Results from the BACH Trial *J Am Coll Cardiol* 2011; Aug 30;58(10):1057-67. Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 2.

153. Maisel A, Xue Y, Shah K, **Mueller C**, Nowak R, Peacock WF, Ponikowski P, Mockel M, Hogan C, Wu AH, Richards M, Clopton P, Filippatos GS, Di Somma S, Anand I, Ng L, Daniels LB, Neath SX, Christenson R, Potocki M, McCord J, Terracciano G, Kremastinos D, Hartmann O, von Haehling S, Bergmann A, Morgenthaler NG, Anker SD. Increased 90-Day Mortality in Acute Heart Failure Patients with Elevated Copeptin: Secondary Results from the Biomarkers in Acute Heart Failure (BACH) Study *Circulation Heart Failure* 2011; Jul 15. [Epub ahead of print]. Impact Factor **5.867**, Cardiac & Cardiovascular Systems, Rank 9.

154. Hochholzer W, Reichlin T, Twerenbold R, Stelzig C, Hochholzer K, Meissner J, Haaf P, Schaub N, Steuer S, Bassetti S, Reiter M, Roost K, Freidank F, Winkler K, **Mueller C**. Incremental value of high-sensitive troponin T for risk prediction in patients with suspected acute myocardial infarction *Clin Chem* 2011;57:1318-26. Impact Factor **7.911**, Medical Laboratory technology, Rank 1.

155. Meune C, Balmelli C, Hochholzer W, Twerenbold R, Reichlin T, Reiter M, Haaf P, Steuer S, Bassetti S, Sakarikos K, Campodarve I, Zellweger C, Irfan A, Drexler B, **Mueller C**. Patients with acute coronary syndrome and normal high-sensitive troponin. *Am J Med* 2011;124:1151-72. Impact Factor **5.003**, Medicine, General & Internal, Rank 10.

156. Arenja N, Bredithardt T, Socrates T, Schindler C, Heinisch C, Tschung C, Potocki M, Gualandro D, **Mueller C**. Risk Stratification for 1-Year Mortality in Acute Heart Failure: Classification and Regression Tree Analysis. *Swiss Med Weekly* 2011 Oct 9;141:w13259. doi: 10.4414/smw.2011.13259. Impact Factor **2.086**, Medicine, General & Internal, Rank 32.

157. Maisel AS, **Mueller C**, Fitzgerald R, Brikhan R, Hiestand BC, Iqbal N, Clopton P, van Veldhuisen DJ. Prognostic utility of plasma neutrophil gelatinase-associated lipocalin in patients with acute heart failure: The NGAL Evaluation Along with B-type Natriuretic Peptide in acutely decompensated heart failure (GALLANT) trial. *Eur J Heart Fail* 2011 Aug;13(8):846-51.  
Impact Factor **6.526**, Cardiac & Cardiovascular Systems, Rank 7.
158. Arenja N, Reichlin T, Drexler B, Oshima S, Denhaerynck K, Haaf P, Potocki M, Breidhardt T, Noveanu M, Stelzig C, Heinisch C, Twerenbold R, Reiter M, Socrates T, **Mueller C**. Sensitive Cardiac Troponin in the Diagnosis and Risk Stratification of Acute Heart Failure. *J Intern Med* 2011; Oct 11. doi: 10.1111/j.1365-2796.2011.02469.x. [Epub ahead of print].  
Impact Factor **6.063**, Medicine, General & Internal, Rank 11
159. Reiter M, Twerenbold R, Reichlin T, Benz B, Haaf, Meissner J, Hochholzer W, Stelzig C, Freese M, Heinisch C, Balmelli C, Drexler B, Freidank H, Winkler K, Campodarve I, Gea J, **Mueller C**. Early Diagnosis of Acute Myocardial Infarction in patients with pre-existing coronary artery disease Using More Sensitive Cardiac Troponin Assays. *Eur Heart J* 2012;33:988-97.  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.
160. Meune C, Balmelli C, Twerenbold R, Reichlin T, Reiter M, ...Zellweger, C, Irfan A, Drexler B, **Mueller C**. High-sensitive Troponin, B-type natriuretic peptide and coronary angiogram findings in patients with non ST-segment elevation acute coronary syndrome. *Int J Cardiol* 2011;153:335-7. Epub 2011 Oct 10.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
161. Drexler B, Heinisch C, Balmelli C, Lassus J, Siirilä-Waris K, Arenja N, Socrates T, Noveanu M, Potocki M, Meune C, Haaf P, Degen C, Breidhardt T, Reichlin T, Nieminen MS, Veli-Pekka H, Osswald S, **Mueller C**. Quantifying cardiac hemodynamic stress and cardiomyocyte damage in ischemic and non-ischemic acute heart failure  
*Circulation Heart Fail* 2011 Oct 5. [Epub ahead of print].  
Impact Factor **4.315**, Cardiac & Cardiovascular Systems, Rank 11.
162. Schaub N, Reichlin T, Meune C, Twerenbold R, Haaf, P, Hochholzer W, Niederhauser N, Bosshard P, Stelzig C, Freese M, Reiter M, Gea J, Buser A, Mebazaa A, Osswald S, **Mueller C**. Markers of Plaque Instability in the Early Diagnosis and Risk Stratification of Acute Myocardial Infarction  
*Clin Chem* 2012;58:246-56. Epub 2011 Nov 4  
Impact Factor **7.911**, Medical Laboratory technology, Rank 1.
163. Nowak A; Breidhardt T; Christ-Crain M; Bingisser R; Meune C; Tanglay Y; Heinisch C; Reiter M; Drexler B; Arenja N; Twerenbold R; Stolz D; Tamm M; Mueller B, **Mueller C**. Direct Comparison of Three Natriuretic Peptides for prediction of short- and long-term mortality in community acquired pneumonia

Chest 2012; Apr;141(4):974-82..

Impact Factor **7.483**, Cardiac & Cardiovascular Systems, Rank 13.

164. Daniels L, Clopton P, Potocki M, **Mueller C**, McCord J, Richards M, Hartmann O, Anand IS, Wu AH, Nowak R, Peacock WF, Ponikowski P, Mockel M, Hogan C, Filippatos GS, Di Somma S, Ng L, Neath SX, Christenson R, Morgenthaler NG, Anker SD, Maisel AS. Influence of age, race, sex, and body composition on interpretation of MR-proANP for the diagnosis of acute heart failure: results from the BACH Multinational study.  
Eur J Heart Fail 2012;14(:22-31.  
Impact Factor **6.526**, Cardiac & Cardiovascular Systems, Rank 7.

165. Irfan A, Twerenbold R, Reiter M, Reichlin T, Stelzig C, Freese M, Haaf P, Hochholzer W, Steuer S, Bassetti S, Zellweger C, Freidank H, Peter F, Campodarve I, Meune C, **Mueller C**.  
Determinants of high-sensitive cardiac troponin-T in non-cardiac chest pain.  
Am J Med. 2012 May;125(5):491-498.e1.  
Impact Factor **5.003**, Medicine, General & Internal, Rank 10.

166. Meune C, Twerenbold R, Drexler B, Balmelli C, Wolf C, Haaf P, Reichlin R, Irfan A, Reiter M, Zellweger C, Meissner J, Stelzig C, Freese M, Capodarve I, **Mueller C**.  
Midregional pro-A-type natriuretic peptide for diagnosis and prognosis in patients with suspected acute myocardial infarction.  
Am J Cardiol 2012; Apr 15;109(8):1117-23.  
Impact Factor **3.276**, Cardiac & Cardiovascular Systems, Rank 12.

167. Ray P, Charpentier S, Chenevier-Gobeaux C, Reichlin T, Twerenbold R, Claessens YE, Jourdain P, Riou B, **Mueller C**.  
Combined copeptin and troponin to rule out myocardial infarction in chest pain patients and a history of coronary artery disease  
Am J Emerg Med 2012;Mar;30(3):440-8  
Impact Factor **1.274**, Emergency Medicine, Rank 7

168. Breidhardt T, Socrates T, Drexler B, Noveanu M, Heinisch C, Arenja N, Klima T, Züsli C, Reichlin T, Potocki M, Twerenbold R, Steiger J, **Mueller C**.  
Plasma Neutrophil Gelatinase-Associated Lipocalin for the Prediction of Acute Kidney Injury in Acute Heart Failure  
Critical Care 2012; Jan 7;16(1):R2. [Epub ahead of print]  
Impact Factor **4.476**, Critical Care Medicine, Rank 3.

169. Breidhardt T, Irfan A, Klima T, Drexler B, Balmelli C, Arenja N, Socrates T, Ringger R, Heinisch C, Zellweger C, Schifferli J, Meune C, **Mueller C**.  
Pathophysiology of lower extremity edema in acute heart failure revisited  
Am J Med. 2012 Nov;125(11):1124.e1-1124.e8.  
Impact Factor **5.003**, Medicine, General & Internal, Rank 10.

- Klima T, Christ A, Marana I, Kalbermatter S, Uthoff H, Burri E, Hartwiger S, Schindler C, Breidhardt T, Marenzi G, **Mueller C**.
170. Sodium chloride versus sodium bicarbonate for the prevention of contrast medium–induced nephropathy: a randomized controlled trial  
Eur Heart J 2012; Aug;33(16):2071-9.  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.
- Potocki M, Reichlin T, Thalmann S, Zellweger C, Twerenbold R, Reiter M, Steuer S, Bassetti S, Drexler B, Stelzig C, Freese M, Winkler K, Haaf P, Balmelli C, Hochholzer W, Osswald S, **Mueller C**.
171. Diagnostic and Prognostic Impact of Copeptin and High-Sensitivity Cardiac Troponin T in Patients with Pre-existing Coronary Artery Disease and Suspected Acute Myocardial Infarction  
Heart 2012; Apr;98(7):558-65. Epub 2012 Feb 15.  
Impact Factor **5.595**, Cardiac & Cardiovascular Systems, Rank 10.
- Maisel AS, Neath SX, Landsberg J, **Mueller C**, Nowak RM, Peacock WP, Ponikowski P, Moeckel M, Hogan C, Wu AHB, Richards M, Clopton P, Filippatos GS, Di Somma S, Anand I, Ng LL, Daniels LB, Christenson RH, Potocki M, McCord J, Terracciano G, Hartmann O, Bergmann A, Morgenthaler NG, Anker SD.
172. Use of procalcitonin for the diagnosis of pneumonia in patients presenting with a chief complaint of dyspnoea: results from the BACH (Biomarkers in Acute Heart Failure) trial.  
Eur J Heart Fail 2012; Mar;14(3):278-86. Epub 2012 Feb 2  
Impact Factor **6.526**, Cardiac & Cardiovascular Systems, Rank 7.
- Meune C, Reichlin T, Irfan A, Schaub N, Twerenbold R, Meissner J, Reiter M, Lüthi A, Haaf P, Balmelli C, Drexler B, Winkler K, Hochholzer W, Osswald S, **Mueller C**.
173. How Safe is the Outpatient Management of Patients with Acute Chest Pain and Mildly Increased Cardiac Troponin Concentrations?  
Clin Chem 2012;58:246-56.  
Impact Factor **7.911**, Medical Laboratory technology, Rank 1.
- Wu Y; Wu H; Mueller C; Gibson M; Murphy S; Shi Y; Yang J.
174. Baseline platelet count and clinical outcome in acute coronary syndrome  
Circulation Journal 2012; 76(3):704-11. Epub 2012 Jan 26  
Impact Factor **3.0**, Cardiac & Cardiovascular Systems, Rank 13.
- Burri E; Hochholzer K; Arenja N; Martin-Braschler H; Kaestner L; Gekeler H; Hatziisaak T; Büttiker M; Fräulin A; Potocki M; Breidhardt T; Reichlin T; Socrates T; Twerenbold R; **Mueller C**.
175. B-type Natriuretic Peptide in the Evaluation and Management of Dyspnea in Primary care  
J Intern Med 2012; Nov;272(5):504-13.  
Impact Factor **6.063**, Medicine, General & Internal, Rank 11
176. Meune C, Balmelli C, Twerenbold R, Reiter , Reichlin T, Ziller R, Drexler B, Stelzig

C, Freese M, Wolf C, Haaf P, Osswald S, **Mueller C.**  
 Utility of 14 novel biomarkers in patients with acute chest pain and undetectable levels of conventional cardiac troponin.  
 Int J Cardiol 2012; Apr 14. [Epub ahead of print].  
 Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.

177. Reichlin T, Schindler C, Drexler B, Twerenbold R, Reiter M, Zellweger C, Moehring B, Ziller R, Hoeller R, Rubini Gimenez M, Haaf P, Potocki M, Wildi K, Balmelli C, Freese M, Stelzig C, Freidank H, Osswald S, **Mueller C.**  
 One hour rule-out and rule-in of acute myocardial infarction using high-sensitivity cardiac Troponin T.  
 Archives of Internal Medicine 2012; Sep 10; 172(16):1211-8.  
 Impact Factor **17.333** Medicine, General & Internal, Rank 6.

178. Breidthardt T, Vanpoucke G, Mosimann T, Potocki M, Ziller R, Thomas G, Laroy W, Moerman P, Verleysen K, Socrates T, Drexler B, Mebazaa A, Kas K, **Mueller C.**  
 The novel marker LTBP2 powerfully predicts all-cause and pulmonary death in patients with acute dyspnea  
 Clin Science 2012; 2012 Nov; 123(9):557-66.  
 Impact Factor **4.613**, Medicine, Research & Experimental, Rank 25.

179. Haaf P, Drexler B, Reichlin T, Twerenbold R, Reiter M, Meissner J, Schaub N, Stelzig C, Freese M, Heinzelmann A, Meune C, Balmelli C, Freidank H, Winkler K, Denhaerynck K, Hochholzer W, Osswald S, **Mueller C.**  
 High Sensitivity Cardiac Troponin in the Distinction of Acute Myocardial Infarction from Acute Cardiac Non-Coronary Artery Disease.  
 Circulation 2012; Jul 3; 126(1):31-40. Epub 2012 May 23.  
 Impact Factor **14.43** Cardiac & Cardiovascular Systems, Rank 1.

180. Mebazaa A, Vanpoucke G, Thomas G, Verleysen K, Cohen Solal A, Vanderheyden M, Bartunek J, **Mueller C**, Launay JM, Van Landuyt N, D'hondt F, Verschuere E, Vanhaute C, Tuytten R, Vanneste L, De Cremer K, Wuyts J, Davies H, Moerman P, Logeart D, Collet C, Lortat-Jacob B, Tavares M, Laroy W, Januzzi JL, Samuel JL, Kas K.  
 Unbiased plasma proteomics for novel diagnostic biomarkers in cardiovascular disease: identification of QSOX1 as a candidate biomarker of acutely decompensated heart failure.  
 Eur Heart J. 2012; Sep; 33(18):2317-24.  
 Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.

181. Wu AHB, Tabas J, Stein J, Potocki M, **Mueller C**, McCord J, Richard M, Hartmann O, Nowak RM, Peacock WP, Ponikowski P, Moeckel M, Hogan C, Filippatos GS, Di Somma S, Anand I, Ng LL, Neath SX, Christenson RH, Morgenthaler NG, Anker SD, Maisel AS.  
 The effect of diabetes on the diagnostic and prognostic performance of mid-region pro-atrial natriuretic peptide and mid-region pro-adrenomedullin in patients with acute dyspnea.  
 Biomarkers 2012; Sep; 17(6):490-7..  
 Impact Factor **2.260**,



182. Morrow DA, Braunwald E, Bonaca MP, Ameriso SF, Dalby AJ, Fish MP, Fox KA, Lipka LJ, Liu X, Nicolau JC, Ophuis AJ, Paolasso E, Scirica BM, Spinar J, Theroux P, Wiviott SD, Strony J, Murphy SA; TRA 2P–TIMI 50 Steering Committee and Investigators. Vorapaxar in the secondary prevention of atherothrombotic events. *N Engl J Med*. 2012 Apr 12;366(15):1404-13. Epub 2012 Mar 24.  
Impact Factor **55.873**, Medicine, General & Internal, Rank 1.
183. Reichlin T, Twerenbold R, Reiter M, Steuer S, Bassetti S, Balmelli C, Winkler K, Kurz S, Stelzig C, Freese M, Drexler B, Haaf P, Zellweger C, Osswald S, **Mueller C**. Introduction of high-sensitive troponin assays: impact on myocardial infarction incidence and prognosis  
*Am J Med* 2012; Dec;125(12):1205-1213.  
Impact Factor **5.003**, Medicine, General & Internal, Rank 10.
184. Möckel M, Searle J, Hartmann O, Anker SD, Peacock WF, Wu AH, Maisel A; on behalf of the BACH Writing group. Mid-regional pro-adrenomedullin (MR-proADM) Improves Disposition Strategies for Patients with Acute Dyspnoea: Results from the BACH trial  
*Emerg Med J* 2012; Sep 9. [Epub ahead of print].  
Impact Factor **2.086**, Emergency Medicine, Rank 10
185. Osthoff M, Piezzi V, Klima T, Christ A, Marana I, Hartwiger S, Breidthardt T, Marenzi G, Trendelenburg M, **Mueller C**. Impact of mannose-binding lectin deficiency on radiocontrast-induced renal dysfunction: a post-hoc analysis of a multicenter randomized controlled trial. *BMC Nephrol*. 2012 Sep 3;13(1):99. [Epub ahead of print]  
Impact Factor **2.176**, Urology & Nephrology, Rank 26.
186. Mebazaa A, Gayat E, Lassus J, Meas T, **Mueller C**, Maggioni A, Peacock F, Spinar J, Harjola VP, van Kimmenade R, Pathak A, Mueller T, Tavazzi L, Disomma S, Metra M, Pascual-Figal D, Laribi S, Logeart D, Nouria S, Sato N, Parenica J, Deye N, Boukef R, Collet C, Van den Berghe G, Cohen-Solal A, Januzzi JL Jr; GREAT Network. Association Between Elevated Blood Glucose and Outcome in Acute Heart Failure: Results From an International Observational Cohort.  
*J Am Coll Cardiol* 2013;Feb 26;61(8):820-9  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 2.
187. Artunc F, **Mueller C**, Breidthardt T, Twerenbold R, Rettig I, Usta E, Häring HU, Friedrich B. Comparison of the Diagnostic Performance of Three Natriuretic Peptides in Hemodialysis Patients: Which is the Appropriate Biomarker?  
*Kidney Blood Press Res* 2012;36:172-181.  
Impact Factor **2.123**, Urology & Nephrology, Rank 40.
188. Dusemund F, Steiner M, Vuillomenet A, **Muller C**, Bossart R, Regez K, Schild U, Conca A, Huber A, Reutlinger B, Muller B, Albrich WC Multidisciplinary assessment

to personalize length of stay in acute decompensated heart failure (OPTIMA II ADHF)

Journal of Clinical Medicine Research 2012; Dec;4(6):402-9.

Impact Factor .

Haaf P, Twerenbold R, Reichlin T, Faoro J, Reiter M, Meune C, Steuer S, Bassetti S, Ziller R, Balmelli C, Campodarve I, Zellweger C, Kilchenmann A, Irfan A, Papassotiriou J, Drexler B, **Mueller C**.

189. Mid-regional pro-adrenomedullin in the early evaluation of acute chest pain patients.

Int J Cardiol 2012; Nov 27. doi:pii: S0167-5273(12)01400-3.

10.1016/j.ijcard.2012.10.025. [Epub ahead of print].

Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6

Wildi K, Haaf P, Reichlin T, Acemoglu R, Schneider J, Balmelli C, Drexler B, Twerenbold R, Mosimann T, Reiter M, Mueller M, Ernst S, Ballarino P, Zellweger C, Moehring B, Vilaplana C, Freidank H, **Mueller C**.

190. Quantification of oxidative stress using uric acid in the early diagnosis and risk-stratification of patients with suspected acute myocardial infarction.

Eur J Clin Invest 2013;43:174-82.

Impact Factor **2.734**, Medicine, General & Internal, Rank 18.

Arenja N, **Mueller C**, Ehl NF, Brinkert M, Roost K, Reichlin T, Sou SM, Hochgruber T, Osswald S, Zellweger M.

191. Prevalence, extent, and independent predictors of silent myocardial infarction.

Am J Med 2013; Jun;126(6):515-22.

Impact Factor **5.003**, Medicine, General & Internal, Rank 10.

Zurek M, Maeder M, Brutsche MH, Christ A, Bosshard P, Ziller R, Rickli H, Keye DM, **Mueller C**.

192. Does hypoxemia have an impact on the cardiac release and circulating concentrations of natriuretic peptides in humans in vivo?.

Int J Cardiol 2012; Nov 22. doi:pii: S0167-5273(12)01465-9.

10.1016/j.ijcard.2012.11.004. [Epub ahead of print]

Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.

Lassus J, Gayat E, **Mueller C**, Peacock F, Harjola VP, van Kimmenade R, Mueller T, Disomma S, Pascual-Figal D, Laribi S, Logeart D, Nouira S, Sato N, Cohen-Solal A, Januzzi JL Jr, Mebazaa A.

193. Incremental value of biomarkers to clinical variables for mortality prediction in acutely decompensated heart failure: The Multinational Observational Cohort on Acute Heart Failure (MOCA) study.

Int J Cardiol 2013; Oct 3;168(3):2186-94.

Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.

Weber M, Luchner A, Manfred S, **Mueller C**, Liebetrau C, Schlitt A, Apostolovic S, Jankovic R, Bankovic D, Jovic M, Mitrovic V, Nef H, Mollmann H, Hamm CW.

194. Incremental value of high-sensitive troponin T in addition to the revised cardiac index for peri-operative risk stratification in non-cardiac surgery

Eur Heart J. 2013 Mar;34(11):853-62.

Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.

195. Nowak A, Breidhardt T, Dejung S, Christ-Crain M, Bingisser R, Drexler B, Meune C, Marono D, Mosimann T, Müller B, **Mueller C.** Natriuretic Peptides for early prediction of acute kidney injury in community acquired pneumonia. Clin Chem Acta 2013; Apr 18;419:67-72.  
Impact Factor **2.601**, Medical Laboratory Technology, Rank 4.
196. Eckstein J, Potocki M, Murray K, Breidhardt T, Ziller R, Mosimann T, Klima T, Hoeller R, Moehring B, Sou SM, Rubini Gimenez M, Morgenthaler NG, **Mueller C.** Direct comparison of mid-regional pro-atrial natriuretic peptide with N-terminal pro B-type natriuretic peptide in the diagnosis of patients with atrial fibrillation and dyspnoea. Heart 2012; Oct;98(20):1518-22.  
Impact Factor **5.595**, Cardiac & Cardiovascular Systems, Rank 10.
197. Artunc F, **Mueller C,** Breidhardt T, Twerenbold R, Peter A, Thamer C, Weyrich P, Haering HU, Friedrich B.. Sensitive Troponins – Which Suits Better for Hemodialysis Patients? Associated Factors and Prediction of Mortality PLoS One. 2012;7(10):e47610. doi: 10.1371/journal.pone.0047610. Epub 2012 Oct 15  
Impact Factor **4.4**, Rank ..
198. Balmelli C, Meune C, Twerenbold R, Reichlin T, Rieder S, Drexler B, Rubini Gimenez M, Mosimann T, Reiter M, Haaf P, Mueller M, Ernst S, Ballarino P, Alafify AA, Zellweger C, Wildi K, Moehring B, Vilaplana C, Bernhard D, Merk S, Ebmeyer S, Freidank H, Osswald S, **Mueller C.** Comparison of the performances of cardiac troponins, including sensitive assays, and copeptin in the diagnosis of acute myocardial infarction and long-term prognosis between women and men. Am Heart J. 2013 Jul;166(1):30-7  
Impact Factor **4.463**, Cardiac & Cardiovascular Systems, Rank 8
199. Hoeller R, Rubini Gimenez M, Reichlin T, Twerenbold R, Zellweger C, Moehring B, Wildi K, Freese M, Stelzig C, Hartmann B, Stoll M, Mosimann T, Reiter M, Haaf P, Mueller M, Meller B, Hochgruber T, Balmelli C, Sou SM, Murray K, Freidank H, Steuer S, Minners J, Osswald S, **Mueller C.** Normal presenting levels of high-sensitivity troponin and myocardial infarction Heart 2013; Nov;99(21):1567-72.  
Impact Factor **5.595**, Cardiac & Cardiovascular Systems, Rank 10.
200. Irfan A, Reichlin T, Twerenbold R, Meister M, Moehring B, Wildi K, Bassetti S, Zellweger C, Rubini Gimenez M, Hoeller R, Murray K, Sou SM, Mueller M, Mosimann T, Reiter M, Haaf P, Ziller R, Freidank H, Osswald S, **Mueller C.** Early diagnosis of myocardial infarction using absolute and relative changes in cardiac troponin concentrations. Am J Med 2013; Sep;126(9):781-788.  
Impact Factor **5.003**, Medicine, General & Internal, Rank 10.

- Richards M, DiSomma S, **Mueller C**, Nowak R, Peacock F, Ponikowski P, Mockel M, Hogan C, Wu AHB, Clopton P, Filippatos GS, Anand I, Ng L, Daniels LB, Neath SX, Shah K, Christenson R, Hartmann O, Anker SD, Maisel A.
201. Atrial Fibrillation impairs the Diagnostic Performance of Cardiac Natriuretic Peptides in Dyspneic Patients: Results from the Biomarkers in ACute Heart Failure (BACH) Study.  
JACC Heart Failure 2013; Jun;1(3):192-9..  
Impact Factor 4, Cardiac & Cardiovascular Systems, Rank 13.
- Maisel A, **Mueller C**, Neath SX, Christenson RH, Morgenthaler NG, Nowak RM, Vilke G, Daniels LB, Hollander JE, Apple FS, Cannon C, Nagurney JT, Schreiber D, Defilippi C, Hogan C, Diercks DB, Stein JC, Headden G, Limkakeng AT Jr, Anand I, Wu AH, Papassotiriou J, Hartmann O, Ebmeyer S, Clopton P, Jaffe AS, Frank Peacock W.
202. Copeptin Helps "Copeptin Helps in the Early Detection Of Patients with Acute Myocardial Infarction": the primary results of the CHOPIN Trial.  
J Am Coll Cardiol. 2013 Jul 9;62(2):150-60  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 2.
- Blum CA, **Mueller C**, Schuetz P, Fluri F, Trummler M, Mueller B, Katan M, Christ-Crain M. Prognostic value of dehydroepiandrosterone-sulfate and other parameters of adrenal function in acute ischemic stroke. PLoS One. 2013 May 1;8(5):e63224. doi:10.1371/journal.pone.0063224.  
Impact Factor 4.4, Rank ..
- Reichlin T, Twerenbold R, Maushart C, Reiter M, Moehring B, Schaub N, Balmelli C, Rubini Gimenez M, Hoeller R, Sakarikos K, Drexler B, Haaf P, Osswald S, **Mueller C**.
204. Risk stratification in patients with unstable angina using absolute serial changes of 3 high-sensitive troponin assays.  
Am Heart J Med 2013; Mar;165(3):371-8.  
Impact Factor **4.463**, Cardiac & Cardiovascular Systems, Rank 8
- Reiter M, Twerenbold R, Reichlin T, Mueller M, Hoeller R, Moehring B, Haaf P, Wildi K, Merk S, Bernhard D, Mueller CZ, Freese M, Freidank H, Campodarve Botet I, **Mueller C**.
205. Heart-type fatty acid-binding protein in the early diagnosis of acute myocardial infarction  
Heart 2013; May;99(10):708-14  
Impact Factor **5.595**, Cardiac & Cardiovascular Systems, Rank 10.

206. Cullen L, **Mueller C**, C, Parsonage WA, Wildi K, Greenslade JH, Twerenbold R, Aldous S, Meller B, Tate JR, Reichlin T, Hammett CJ, Zellweger C, Ungerer Mmed JP, Gimenez MR, Troughton R, Murray K, Brown AF, Mueller M, George P, Mosimann T, Flaws DF, Reiter M, Lamanna A, Haaf P, Pemberton CJ, Richards AM, Chu K, Reid CM, Peacock WF, Jaffe AS, Florkowski C, Deely JM, Than M.  
Validation of high-sensitivity troponin I in a 2-h diagnostic strategy to assess 30-day outcomes in emergency-department patients with possible acute coronary syndrome.  
J Am Coll Cardiol. 2013 Oct 1;62(14):1242-9  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 3.
207. Haaf P, Reichlin T, Twerenbold R, Hoeller R, Rubini Gimenez M, Zellweger C, Moehring B, Fischer C, Meller B, Wildi K, Freese M, Stelzig C, Mosimann T, Reiter M, Mueller M, Hochgruber T, Sou SM, Murray K, Minners J, Freidank H, Osswald S, **Mueller C**  
Risk stratification in patients with acute chest pain using three high-sensitivity cardiac troponin assays  
Eur Heart J. 2014 Feb;35(6):365-75..  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 2.
208. Meune C, Balmelli C, Vogler E, Twerenbold R, Reiter M, Reichlin T, Haaf P, Drexler B, Wildi K, Hoeller R, Rubini Gimenez M, Moehring B, Zellweger C, Potocki M, **Mueller C**.  
Consideration of high-sensitivity troponin values below the 99th percentile at presentation: does it improve diagnostic accuracy?  
Int J Cardiol 2013; Oct 9;168(4):3752-7  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
209. Rubini Gimenez M, Rubini Giménez M, Hoeller R, Reichlin T, Zellweger C, Twerenbold R, Reiter M, Moehring B, Wildi K, Mosimann T, Mueller M, Meller B, Hochgruber T, Ziller R, Sou SM, Murray K, Sakarikos K, Ernst S, Gea J, Campodarve I, Vilaplana C, Haaf P, Steuer S, Minners J, Osswald S, **Mueller C**.  
Undetectable Rapid rule out of acute myocardial infarction using undetectable levels of high-sensitivity cardiac troponin  
Int J Cardiol 2013; Oct 9;168(4):3896-901  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
210. Wildi K, Reichlin T, Twerenbold R, Mäder F, Zellweger C, Moehring B, Stallone F, Minners J, Rubini Gimenez M, Hoeller R, Murray K, Sou SM, Mueller M, Denhaerynck K, Mosimann T, Reiter M, Haaf P, Meller B, Freidank H, Osswald S, **Mueller C**.  
Serial changes in high-sensitivity cardiac troponin I in the early diagnosis of acute myocardial infarction  
Int J Cardiol 2013;168(4):4103-10  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
211. Assaad MC, Calle-Muller C, Dahu M, Nowak RM, Hudson MP, **Mueller C**, Jacobsen G, McCord J.  
The relationship between chest pain duration and the incidence of acute myocardial infarction among patients with acute chest pain.  
Crit Pathw Cardiol. 2013 Sep;12(3):150-3.  
Impact Factor , Cardiac & Cardiovascular Systems, Rank .

Rubini Gimenez M, Reiter M, Twerenbold R, Reichlin T, Wildi K, Haaf P, Wicki K, Zellweger C, Hoeller R, Moehring B, Sou SM, Mueller M, Denhaerynck K, Meller B, Stallone F, Henseler S, Bassetti S, Geigy N, Osswald S, **Mueller C**.

212. SEX-SPECIFIC CHEST PAIN CHARACTERISTICS IN THE EARLY DIAGNOSIS OF ACUTE MYOCARDIAL INFARCTION

JAMA Internal Medicine 2014 Feb 1;174(2):241-9. doi:

10.1001/jamainternmed.2013.12199.

Impact Factor **10.639**, Medicine, General & Internal, Rank 6.

Breidthardt T, Balmelli C, Twerenbold R, Mosimann T, Espinola J, Haaf P, Thalmann G, Moehring B, Mueller M, Meller B, Reichlin T, Murray K, Ziller R, Benkert P, Osswald S, **Mueller C**.

213. Heart Failure Therapy Induced Early ST2 Changes May Offer Long-term Therapy Guidance.

J Cardiac Failure 2013;19:821-828.

Impact Factor **3.051**, Medicine, General & Internal, Rank 36.

Devaux Y, Mueller M, Haaf P, Goretti E, Twerenbold R, Zangrando J, Vausort M, Reichlin T, Wildi K, Moehring B, Wagner D, **Mueller C**.

214. Diagnostic and prognostic value of circulating microRNAs in patients with acute chest pain

J Intern Med 2015; 277; 260–271.

Impact Factor **6.063**, Medicine, General & Internal, Rank 11

Schaub N, Boldanova T, Noveanu M, Socrates T, Arenja N, Hermann H, Meissner J, Twerenbold R, Frei R, Bingisser R, Trampuz A, **Mueller C**.

215. Incremental Value of Multiplex Real-Time PCR for the Early Diagnosis of Sepsis in the Emergency Department Swiss Med Wkly 2014; Feb 4;144:w13911. doi:

10.4414/smw.2014.13911.

Impact Factor **2.086**, Medicine, General & Internal, Rank 32.

Puymirat E, Battler A, Birkhead J, Bueno H, Clemmensen P, Cottin Y, Fox KAA, Gorenek B, Hamm C, Huber K, Lettino M, Lindahl B, **Müller C**, Parkhomenko A, price S, Quinn T, Schiele F, Simoons M, Tatu-Chitoiu G, Tubaro M, Vrints C, Zahger D, Zeymer U, Danchin N. Euro Heart Survey 2009 snapshot: regional variations in presentation and management of patients with AMI in 47 countries. Eur Heart J ACC 2013;4:359-70.

216. Impact Factor **??**, Cardiac & Cardiovascular Systems, Rank ?.

Artunc F, Nowak A, **Mueller C**, Breidthardt T, Twerenbold R, Wagner R, Peter A, Häring HU, Ebmeyer S, Haering HU, Stefan Ebmeyer, Friedrich B.

217. Plasma concentrations of the vasoactive peptide fragments mid-regional pro-adrenomedullin, c-terminal pro-endothelin 1 and copeptin in hemodialysis patients: associated factors and prediction of mortality

PLoS One. 2014; Jan 22;9(1):e86148. doi: 10.1371/journal.pone.0086148. eCollection 2014 Jan 22.

Impact Factor **3.73**, Rank ..

Haaf P, Zellweger C, Reichlin T, Zbinden A, Wildi K, Mosimann T, Twerenbold R, Reiter M, Balmelli C, Freidank H, Rubini Gimenez M, Peter F, Freese M, Stelzig C, Hartmann B, Dinter C, Osswald S, **Mueller C**.

218. Utility of c-terminal pro-endothelin in the early diagnosis and risk-stratification of patients with suspected acute myocardial infarction  
diagnosis of congestive heart failure: impact of symptoms and signs. *Can J Cardiol* 2014; Feb;30(2):195-203.  
Impact Factor **3.711**, Cardiac & Cardiovascular Systems, Rank 40.

Zurek M, Maeder MT, Brutsche MH, Lüthi A, Twerenbold R, Freese M, Rickli H,, **Mueller C**.

219. Midregional pro-adrenomedullin and copeptin: exercise kinetics and association with the cardiopulmonary exercise response in comparison to B-type natriuretic peptide  
*Eur J Appl Physiol*. 2014Apr;114(4):815-24. doi: 10.1007/s00421-013-2815-4. Epub 2014 Jan 5.  
Impact Factor **2.187** , Rank .

Shah R, Gayat E, Januzzi JL, Sato N, Cohen-Solal A, Disomma S, Fairman E, Harjola VP, Ishihara S, Lassus J, Maggioni A, Metra M, **Mueller C**, Mueller T, Parenica J, Pascual-Figal D, Peacock F, Spinar J, van Kimmenade R, Mebazaa A;  
220. For the GREAT Network.

Body mass index and mortality in acutely decompensated heart failure across the world: A global obesity paradox.  
*J Am Coll Cardiol*.2014 Mar 4;63(8):778-85. doi: 10.1016/j.jacc.2013.09.072.  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 2.

- Lipinski MJ, Escárcega RO, D'Ascenzo F, Magalhães MA, Baker NC, Torguson R, Chen F, Epstein SE, Miró O, Llorens P, Giannitsis E, Lotze U, Lefebvre S, Sebbane M, Cristol JP, Chenevier-Gobeaux C, Meune C, Eggers KM, Charpentier S, Twerenbold R, **Mueller C**, Biondi-Zoccai G, Waksman R.  
221. Copeptin Levels in the Triage of Patients Presenting to the Emergency Department with Chest Pain: A Systematic Review and Collaborative Meta-Analysis.  
*Am J Cardiol* 2014; May 1;113(9):1581-91.  
Impact Factor **3.276**, Cardiac & Cardiovascular Systems, Rank 12.

Hochgruber T, Reichlin T, Wasila M, Vogler E, Twerenbold R, Sou SM, Roost K, Lee G, Fischer A, Freidank H, Osswald S, Zellweger MJ, **Mueller C**.

222. Novel insights into the pathophysiology of different forms of stress testing.  
*Clin Biochem*. 2014 Feb 25. pii: S0009-9120(14)00100-3. doi: 10.1016/j.clinbiochem.2014.02.018. [Epub ahead of print]  
Impact Factor **2.275**, Laboratory Medicine, Rank

Raskovalova T, Twerenbold R, Collinson PO, Keller T, Bouvaist H, Folli C, Giavarina D, Lotze U, Eggers KM, Dupuy AM, Chenevier-Gobeaux C, Meune C, Maisel A, **Mueller C**, Labarère J.

223. Diagnostic accuracy of combined cardiac troponin and copeptin assessment for early rule-out of myocardial infarction: a systematic review and meta-analysis.  
*Eur Heart J Acute Cardiovasc Care*. 2014 Mar 1;3(1):18-27.  
Impact Factor ??, Cardiac & Cardiovascular Systems, Rank ?.

- Lee G, Sou SM, Twerenbold R, Reichlin T, Oshima S, Hochgruber T, Zürcher S, Matter D, Tanglay Y, Freese M, Honegger U, Wild D, Rentsch K, Osswald S, Zellweger M, **Mueller C**.
224. B-type natriuretic peptide and clinical judgment in the detection of exercise-induced myocardial ischemia.  
Am J Med. 2014 Jan 28. pii: S0002-9343(14)00075-8. doi: 10.1016/j.amjmed.2014.01.009. [Epub ahead of print]  
Impact Factor **5.003**, Medicine, General & Internal, Rank 10.
- Zeller T, Keller T, Ojeda F, Reichlin T, Twerenbold R, Tzikas S, Wild PS, Reiter M, Czyz E, Lackner KJ, Munzel T, **Mueller C**, Blankenberg S.
225. Assessment of microRNAs in patients with unstable angina pectoris.  
Eur Heart J. 2014; Aug 14;35(31):2106-14.  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 2.
- Möckel M, Searle J, Hamm C, Slagman A, Blankenberg S, Huber K, Katus H, Liebetrau C, **Mueller C**, Müller R, Peitsmeyer P, von Recum J, Tajsic M, Vollert JO, Giannitsis E.
226. Instant early discharge using cardiac troponin and copeptin for AMI rule-out in low-to intermediate-risk patients with suspected ACS: A prospective, randomized multicenter study (The Biomarkers in Cardiology 8 [BIC-8] study)  
Eur Heart J. 2015; Feb 7;36(6):369-76  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 2.
- Rubini Gimenez M, Twerenbold R, Reichlin T, Wildi K, Haaf P, Schaefer M, Zellweger C, Moehring B, Stallone F, Sou SM, Mueller M, Denhaerynck K, Mosimann T, Reiter M, Meller B, Freese M, Stelzig C, Klimmeck I, Voegelé J, Hartmann B, Rentsch K, Osswald S, **Mueller C**.
227. Direct Comparison of High-sensitivity Cardiac Troponin I versus T for the Early Diagnosis of Acute Myocardial Infarction.  
Eur Heart J. 2014; Sep 7;35(34):2303-11  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 2.
- Nowak A, Friedrich B, Artunc F, Serra AL, Breidhardt T, Twerenbold R, Peter M, **Mueller C**.
228. Prognostic value and link to atrial fibrillation of soluble Klotho and FGF23 in hemodialysis patients  
PLoS One. 2014; Jul 3;9(7):e100688. doi: 10.1371.  
Impact Factor **4.4**, Rank ..
- Stallone F, Twerenbold R, Wildi K, Reichlin T, Rubini Gimenez M, Haaf P, Fuechslin N, Hillinger P, Jaeger C, Kreuzinger P, Puelacher C, Radosavac M, Moreno Weidmann Z, Moehring M, Honegger U, Schumacher C, Denhaerynck K, Arnold C, Bingisser R, Vollert JO, Osswald S, **Mueller C**.
229. Prevalence, characteristics and outcome of non-cardiac chest pain and elevated copeptin levels  
Heart 2014; Nov;100(21):1708-14  
Impact Factor **5.595**, Cardiac & Cardiovascular Systems, Rank 10.



230. Peacock WF, Chandra A, Char D, Collins S, Der Sahakian G, Ding L, Dunbar L, Fermann G, Fonarow GC, Garrison N, Hu MY, Jourdain P, Laribi S, Levy P, Möckel M, **Mueller C**, Ray P, Singer A, Ventura H, Weiss M, Mebazaa A. Clevidipine in acute heart failure: Results of the A Study of Blood Pressure Control in Acute Heart Failure-A Pilot Study (PRONTO). *Am Heart J.* 2014 Apr;167(4):529-36. Impact Factor **4.463**, Cardiac & Cardiovascular Systems, Rank 8
231. Mueller C, Blum CA, Trummler M, Stolz D, Bingisser R, **Mueller C**, Tamm M, Mueller B, Schuetz P, Christ-Crain M. Association of Adrenal Function and Disease Severity in Community-Acquired Pneumonia. *PLoS One.* 2014 Jun 9;9(6):e99518. doi: 10.1371 Impact Factor **3.234**, Rank .
232. Nigro N, Wildi K, **Mueller C**, Schuetz P, Mueller B, Fluri F, Christ-Crain M, Katan M. BNP but Not s-cTnI is associated with cardioembolic aetiology and predicts short and long term prognosis after cerebrovascular events. *PLoS One.* 2014 Jul 29;9(7):e102704. doi: 10.1371 Impact Factor **3.234**, Rank .
233. Maeder MT, Strobel W, Christ M, Todd J, Estis J, Wildi K, Thalmann G, Hilti J, Brutsche M, Twerenbold R, Rickli H, **Mueller C**. Comprehensive biomarker profiling in patients with obstructive sleep apnea. *Clin Biochem.* 2015 Mar;48(4-5):340-6. doi: 10.1016/j.clinbiochem.2014.09.005. Epub 2014 Sep 16 Sep 13. pii: S0009-9120(14)00662-6. Impact Factor **2.275**, Laboratory Medicine, Rank
234. Siciliano RF, Gualandro DM, **Mueller C**, da Costa Seguro LFB, Goldstein PG, Strabelli TMV, Arias V, Accorsi TAD, Grinberg M, Mansur AJ, Tavares de Oliveira Jr, M. Incremental value of B-type natriuretic peptide for early risk-prediction of infective endocarditis. *International Journal of Infectious Diseases* 2014; Dec;29:120-4.. Impact Factor **1.856**, Infectious diseases, Rank 44
235. Greve Y, Geier F, Popp S, Bertsch T, Singler K, Meier F, Smolarsky A, Mang H, **Mueller C**, Christ M. Prävalenz und prognostische Bedeutung von Beinahe-Synkope und Synkope. *Dtsch Arztebl Int* 2014; 111(12): 197–204. DOI: 10.3238/arztebl.2014.0197. Impact Factor **5.867**,
236. Christ M, Geier F, Popp S, Singler K, Smolarsky A, Bertsch T, **Mueller C**, Greve Y. Diagnostic and prognostic value of cTnT high-sensitive in patients with syncope. *Am J Med* 2015;Feb;128(2):161-170. Impact Factor **5.003**, Medicine, General & Internal, Rank 10.

237. Lipinski MJ, Baker NC, Escárcega RO, Torguson R, Chen F, Aldous SJ, Christ M, Collinson PO, Goodacre SW, Mair J, Inoue K, Lotze U, Sebbane M, Cristol JP, Freund Y, Chenevier-Gobeaux C, Meune C, Eggers KM, Pracoń R, Schreiber DH, Wu AHB, Ordoñez-Llanos J, Jaffe AS, Twerenbold R, **Mueller C**, Waksman R. Comparison of Conventional and High-Sensitivity Troponin in Patients with Chest Pain: A Collaborative Meta-Analysis  
Am Heart J. 2015; Jan;169(1):6-16.e6. doi: 10.1016/j.ahj.2014.10.007. Epub 2014 Oct 22.  
Impact Factor **4.463**, Cardiac & Cardiovascular Systems, Rank 8
238. Reichlin T, Cullen L, Parsonage WA, Greenslade J, Twerenbold R, Moehring B, Wildi K, Mueller S, Zellweger C, Mosimann T, Rubini Gimenez M, Rentsch K, Osswald S, **Mueller C**.  
Two hour algorithm for triage towards rule-out and rule-in of acute myocardial infarction using high-sensitivity cardiac Troponin T.  
Am J Med 2015 Apr;128(4):369-79.e4. doi: 10.1016/j.amjmed.2014.10.032.  
Impact Factor **5.003**, Medicine, General & Internal, Rank 10.
239. Kaiser C, Galatius S, Jeger R, Gilgen N, Jensen JS, Naber CK, Alber HF, Wanitschek M, Eberli FR, Kurz DJ, Pedrazzini G, Moccetti T, Rickli H, Weilenmann D, Vuillomenet AG, Steiner M, Von Felten S, Vogt DR, Hansen KW, Rickenbacher P, Conen D, **Müller C**, Buser P, Hoffmann A, Pfisterer M.  
Long-Term Efficacy and Safety of Biodegradable-Polymer Biolimus-Eluting Stents: Main Results of the Basel Stent Kosten-Effektivitäts Trial- PROspective Validation Examination II (BASKET-PROVE II), A Randomized, Controlled Noninferiority 2-Year Outcome Trial. Circulation 2015 Jan 6;131(1):74-81. doi: 10.1161/CIRCULATIONAHA.114.013520.  
Impact Factor **14.43** Cardiac & Cardiovascular Systems, Rank 1.
240. Aeschbacher S, Reichlin T, Cullen L, Parsonage WA, Greenslade JH, Twerenbold R, Moehring B, Wildi K, Mueller S, Zellweger C, Mosimann T, Rubini Gimenez M, Rentsch K, Osswald S, **Mueller C**, Conen D.  
Relationship between High-Sensitivity Cardiac Troponin I and Blood Pressure Among Young and Healthy Adults.  
Am J Hypertension 2015 Jun;28(6):789-96. doi: 10.1093/ajh/hpu226.  
Impact Factor **3.402**, Medicine, General & Internal, Rank 10.
241. Artunc F, Nowak A, **Mueller C**, Heyne N, Haering HU, Friedrich B..  
Mortality Prediction Using Modern Peptide Biomarkers in Hemodialysis Patients – A Comparative Analysis. Kidney Blood Press Res 2014;39:563-572  
Impact Factor **2.123**, Rank ..
242. Shah KS, Marston NA, **Mueller C**, Neath SX, Christenson RH, McCord J, Nowak RM, Vilke GM, Daniels LB, Hollander JE, Apple FS, Cannon CM, Nagurney J, Schreiber D, deFilippi C, Hogan C, Diercks DB, Limkaken A, Anand IS, Wu AHB, Clopton P, Jaffe AS, Peacock WF, Maisel AS.  
Midregional Pro-Adrenomedullin Predicts Mortality and Major Adverse Cardiac Events in Patients Presenting with Chest Pain: Results from the CHOPIN Trial  
Academic Emergency Medicine 2015; May;22(5):554-63. doi: 10.1111/acem.12649. Epub 2015 Apr 23.  
Impact Factor **2.006**, Emergency Medicine, Rank 7

243. Tanglay Y, Twerenbold R, Lee G, Wagener M, Honegger U, Puelacher C, Reichlin T, Sou SM, Druey S, Hochgruber T, Zuercher S, Radosavac M, Kreutzinger P, Pretre G, Stallone F, Hillinger P, Jaeger C, Rubini Gimenez M, Freese M, Wild D, Rentsch K, Osswald S, Zellweger MJ, **Mueller C**.  
Incremental value of a single high-sensitivity cardiac Troponin I measurement to rule-out myocardial ischemia.  
Am J Med 2015;Jun;128(6):638-46. doi: 10.1016/j.amjmed.2015.01.009. Epub 2015 Jan 30.  
Impact Factor **5.003**, Medicine, General & Internal, Rank 10.
244. Puelacher C, Rudez J, Twerenbold R, Moreno Weidmann Z, Osswald S, Eckstein F, Lurati-Buse G, Pargger H, **Mueller C**.  
B-type natriuretic peptide secretion without change in intra-cardiac pressure  
Clin Biochem. 2015; Mar;48(4-5):318-21. doi: 10.1016/j.clinbiochem.2014.12.010. Epub 2014 Dec 17.  
Impact Factor **2.275**, Laboratory Medicine
245. Wildi K, Cuculi F, Twerenbold R, Marxer T, Rubini Gimenez M, Reichlin T, Haaf P, Monsch R, Marsch S, Hunziker P, Bingisser R, Osswald S, Erne P, **Mueller C**.  
Incidence and timing of serious arrhythmias after early revascularization in non ST-elevation myocardial infarction.  
Eur Heart J Acute Cardiovasc Care. 2015 Aug;4(4):359-64. doi: 10.1177/2048872614557230  
Impact Factor **?**, Cardiology
246. Schoenenberger AW, Stallone F, Walz B, Bergner M, Twerenbold R, Reichlin T, Zogg B, Jaeger C, Erne P, **Mueller C**.  
Incremental value of heart-type fatty acid-binding protein in suspected acute myocardial infarction early after symptom onset.  
Eur Heart J Acute Cardiovasc Care. 2015; Feb 13. pii: 2048872615571256. [Epub ahead of print]
247. Rubini Gimenez M, Pagano S, Virzi J, Montecucco F, Twerenbold R, Reichlin T, Wildi K, Grueter D, Jaeger C, Haaf P, Vuilleumier N, **Mueller C**. Diagnostic and prognostic value of autoantibodies anti-apolipoprotein A-1 and anti-phosphorylcholine in acute non-ST elevation myocardial infarction.  
Eur J Clin Invest 2015 ; Apr;45(4):369-79. doi: 10.1111/eci.12411. Epub 2015 Mar 9.  
Impact Factor **2.734**, Medicine, General & Internal, Rank 18.
248. Montecucco F, Braunersreuther V, Burger F, Lenglet S, Pelli G, Carbone<sup>1 G</sup>, Fraga-Silva R, Stergiopoulos N, Monaco C, **Mueller C**, Pagano S, Dallegri F, Mach F, Vuilleumier N. Anti-apoA-1 auto-antibodies increase mouse atherosclerotic plaque vulnerability, myocardial necrosis and mortality triggering TLR2 and TLR4.  
Thrombosis and Haemostasis 2015; Apr 16;114(20150416). [Epub ahead of print]  
Impact Factor **4.984**, Hamatology, Rank 6.
249. Rubini Gimenez M, Twerenbold R, Jaeger C, Schindler C, Puelacher C, Wildi K, Reichlin T, Haaf P, Merk S, Honegger U, Wagener M, Druey S, Schumacher C, Krivoshei L, Hillinger P, Herrmann T, Campodarve I, Rentsch K, Bassetti S, Osswald S, **Mueller C**.  
One-hour rule-in and rule-out of acute myocardial infarction using high-sensitivity cardiac troponin I. Am J Med 2015; Aug;128(8):861-870.

Impact Factor **5.003**, Medicine, General & Internal, Rank 10.

250. Tomandlova M, Jarkovský J, Tomandl J, Kubkova L, Kala P, Littnerova S, Gottwaldova J, Kubena P, Ganovska E, Poloczek M, Spinar J, **Müller Ch**, Mebazaa A, Pavkova Goldbergová M, Parenica J.  
Prognostic value of pentraxin-3 level in patients with STEMI and its relationship with heart failure and markers of oxidative stress. *Disease Markers* 2015; doi: 10.1155/2015/159051. Epub 2015 Apr 1.  
Impact Factor **1.562**,.
251. Reichlin T, Twerenbold R, Wildi K, ; Rubini Gimenez M, Bergsma N, Haaf P, Druey S, Puelacher C, Moehring B, Freese M, Stelzig C, Krivoshei L, Hillinger P, Jäger C, Herrmann T, Kreuzinger P, Radosavac M, Moreno Weidmann Z, Pershyna K, Honegger U, Wagener M, Vuillomenet T, Campodarve I, Bingisser R, Miró O, Rentsch K, Bassetti S, Osswald S, **Mueller C**.  
Prospective validation of the diagnostic accuracy of a one-hour rule-out and rule-in strategy of acute myocardial infarction using high-sensitivity cardiac Troponin T. *CMAJ* 2015 May 19;187(8):E243-52.  
Impact Factor **5.959**, Medicine, General & Internal, Rank 11.
252. Puelacher C, Twerenbold R, Mosimann T, Boeddinghaus J, Rubini Gimenez M, Wildi K, Jaeger C, Reichlin T, Schneider J, Honegger U, Wagener M, Schumacher C, Nestelberger T, Hillinger P, grimm K, Kreuzinger P, Weidmann Moreno Z, Rentsch K, Arnold C, Osswald S, **Mueller C**.  
Effects of Hemolysis on the Diagnostic Accuracy of Cardiac Troponin I for the Diagnosis of Myocardial Infarction.  
*Int J Cardiol* 2015 May 6;187:313-5. doi: 10.1016/j.ijcard.2015.03.378. Epub 2015 Mar 27.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
253. Twerenbold R, Wildi K, Jaeger C, Rubini Gimenez M, Reiter M, Reichlin T, Walukeiwicz A, Gugala M, Krivoshei L, Marti N, Moreno Weidmann Z, Hillinger P, Puelacher C, Rentsch K, Honegger U, Schumacher U, Zurbriggen F, Freese M, Stelzig C, Campodarve I, Bassetti S, Osswald S, **Mueller C**.  
Optimal Cutoff Levels of More Sensitive Cardiac Troponin Assays for the Early Diagnosis of Myocardial Infarction in Patients With Renal Dysfunction.  
*Circulation* 2015 Jun 9;131(23):2041-50.  
Impact Factor **14.43**, Cardiac & Cardiovascular Systems, Rank 1.
254. Wildi K, Rubini Gimenez M, Twerenbold R, Reichlin T, Jaeger C, Heinzelmann A, Arnold C, Nelles B, Druey S, Haaf P, Hillinger P, Schaerli N, Kreuzinger P, Tanglay Y, herrmann T, Weidmann Moreno Z, Krivoshei L, Freese M, Stelzig C, Puelacher C, Rentsch K, Osswald S, **Mueller C**.  
Misdiagnosis of Myocardial Infarction Related to Limitations of the Current Regulatory Approach to Define Clinical Decision Values for Cardiac Troponin.  
*Circulation* 2015 Jun 9;131(23):2032-40..  
Impact Factor **14.43**, Cardiac & Cardiovascular Systems, Rank 1.

255. Wildi K, Zellweger C, Twerenbold R, Jaeger C, Reichlin T, Haaf P, Faoro J, Rubini Gimenez M, Fischer A, Nelles B, Druey S, Krivoshei L, Hillinger P, Puelacher C, herrmann T, Campodarev I, Rentsch K, Steuer S, Osswald S, **Mueller C.**  
Incremental Value of Copeptin to Highly Sensitive Cardiac Troponin I for Rapid Rule-out of Myocardial Infarction.  
Int J Cardiol 2015 Jul 1;190:170-6. doi: 10.1016/j.ijcard.2015.04.133. Epub 2015 Apr 17.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
256. Zellweger C, Wildi K, Twerenbold R, Reichlin T, Naduvilekoot A, Neuhaus JD, Balmelli C, Gabutti M, Al Afify A, Ballarino P, Jaeger C, Druey S, Hillinger P, Haaf P, Vilaplana C, Dabouret B, Ebmeyer S, Rubini Gimenez M, Moehring B, Osswald S, **Mueller C.**  
Use of copeptin and High-Sensitive Cardiac Troponin T for diagnosis and prognosis in patientst with diabetes mellitus and suspected acute myocardial Infarction.  
Int J Cardiol 2015 Jul 1;190:190-7.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
257. Nowak A, Artunc F, Serra AL, Pollock E, Krayenbühl PA, **Mueller C**, Friedrich B..  
Sclerostin Quo Vadis? – Is This a Useful Long-Term Mortality Parameter in Prevalent Hemodialysis Patients?. Kidney Blood Press Res 2015;40:266-76.  
Impact Factor **2.123**, Rank ..
258. Shah KS, Marston NA, **Mueller C**, Neath SX, Christenson RH, McCord J, Nowak RM, Vilke GM, Daniels LB, Hollander JE, Apple FS, Cannon CM, Nagurney J, Schreiber D, deFilippi C, Hogan C, Diercks DB, Limkaken A, Anand IS, Wu AHB, Clopton P, Jaffe AS, Peacock WF, Maisel AS.  
Serial Sampling of Copeptin Levels Improves Diagnosis and Risk Stratification in Patients Presenting with Chest Pain: Results from the CHOPIN Trial  
Emergency Medicine Journal 2015 May;22(5):554-63.  
Impact Factor **1.843**, Emergency Medicine, Rank 10
259. Meller B, Cullen L, Parsonage WA, Greenslade JH, Aldous S, Reichlin T, Wildi K, Twerenbold R, Jaeger C, Hillinger P, Haaf P, Puelacher C, Kern V, Rentsch K, Stallone F, Rubini Gimenez M, Ballarino P, Bassetti S, Walukiewicz A, Troughton R, Pemberton CJ, Richards AM, Chu K, Reid CM, Than M, **Mueller C.**  
Accelerated diagnostic protocol using high-sensitivity cardiac troponin T in acute chest pain patients.  
Int J Cardiol 2015; Apr 1;184:208-15. doi: 10.1016/j.ijcard.2015.02.006. Epub 2015 Feb 11.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6
260. Druey S, Wildi K, Twerenbold R, Jaeger C, Reichlin T, Haaf P, Rubini Gimenez M, Puelacher C, Wagener M, Radosavac M, Honegger U, Schumacher C, Delfine V, Kreutzinger P, Herrmann T, Moreno Weidmann Z, Krivoshei L, Freese M, Stelzig C, Isenschmid C, Bassetti S, Rentsch K, Osswald S, **Mueller C.**  
Early rule-out and rule-in of myocardial infarction using sensitive cardiac Troponin I..  
Int J Cardiol 2015 Sep 15;195:163-70.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.

- Irfan A, Reichlin T, Twerenbold R, Fischer C, Ballarino P, Moehring B, Wildi K, Zellweger C, Rubini Gimenez M, Mueller M, Haaf P, Fischer A, Freidank H, Osswald S, **Mueller C**.
261. Cardiomyocyte injury induced by hemodynamic cardiac stress: differential release of cardiac biomarkers  
Clin Biochem. 2015; Jun 27. pii: S0009-9120(15)00256-8. doi: 10.1016/j.clinbiochem.2015.06.018.  
[Epub ahead of print]  
Impact Factor **2.275**, Laboratory Medicine
- Jaeger C, Wildi K, Twerenbold R, Reichlin T, Rubini Gimenez M, Neuhaus JD, Grimm K, Boeddinghaus J, Hillinger P, Nestelberger T, Singeisen H, Gugala M, Pretre G, Puelacher C, Wagener M, Honegger U, Schumacher U, Moreno Weidmann Z, Kreuzinger P, Krivoshei L, Freese M, Stelzig C, Dietsche S, Ernst S, Rentsch K, Osswald S, **Mueller C**.
262. One-hour rule-in and rule-out of acute myocardial infarction using high-sensitivity cardiac troponin I  
Am Heart J. 2016 Jan;171(1):92-102.  
Impact Factor **4.463**, Cardiac & Cardiovascular Systems, Rank 8
- Gayat E, Caillard A, Laribi S, **Mueller C**, Sadoune M, Seronde MF, Maisel A, Bartunek J, Vanderheyden M, Desutter J, Dendale P, Thomas G, Tavares M, Cohen-Solal A, Samuel JL, Mebazaa A.
263. Soluble CD146, a new endothelial biomarker of acutely decompensated heart failure..  
Int J Cardiol 2015 Nov 15;199:241-7.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
- Tolppanen H, Siirila-Waris K, Harjola VP, Marono D, Parenica J, Kreuzinger P, Nieminen T, Pavlusova M, Tarvasmaki T, Twerenbold R, Tolonen J, Miklik R, Nieminen MS, Spinar J, **Mueller C**, Johan Lassus J.
264. Ventricular conduction abnormalities as predictors of long-term survival in acute de novo and decompensated chronic heart failure.  
ESC Heart Failure 2015 in press.  
Impact Factor , Cardiac & Cardiovascular Systems, Rank .
- Zuercher S, Honegger U, Zürcher S, Wagener M, Lee G, Stallone F, Marxer T, Puelacher C, Schumacher C, Sou SM, Twerenbold R, Reichlin T, Hochgruber T, Tanglay Y, Freese M, Wild D, Rentsch K, Osswald S, Zellweger M, **Mueller C**.
265. Delayed Release of Brain Natriuretic Peptide to identify Myocardial Ischemia.  
Eur J Clin Invest 2015; Nov;45(11):1175-83.  
Impact Factor **2.734**, Medicine, General & Internal, Rank 18.
- Miro O, Gil V, **Müller C**, Mebazaa A, Bueno H, Martin-Sanchez FJ, herrero P, Jacob J, Llorens P. How does a clinical trial fit into the real world? The RELAX-AHF study population into the EAHFE registry.  
Clin Res Cardiol 2015;104:850-60.  
Impact Factor **4.560**, Cardiac & Cardiovascular Systems, Rank 18.
- Teixeira A, Parenica J, Park JJ, Ishihara S, AlHabib KF, Laribi S, Maggioni A, Miró Ò, Sato N, Kajimoto K, Cohen-Solal A, Fairman E, Lassus J, **Mueller C**, Peacock WF, Januzzi JL Jr, Choi DJ, Plaisance P, Spinar J, Mebazaa A, Gayat E; GREAT (Global Research on Acute Conditions Team) Network.
- 267.

Clinical presentation and outcome by age categories in acute heart failure: results from an international observational cohort.

Eur J Heart Fail 2015; 17, 1114–1123

Impact Factor **6.526** Cardiac & Cardiovascular Systems, Rank 6.

268. Vafaie M, Slagman A, Möckel M, Hamm C, Huber K, **Müller C**, Vollert JO, Blankenberg S, Katus HA, Liebetrau C, Giannitsis E, Searle J. Prognostic value of undetectable hs troponin T in suspected acute coronary syndrome.

Am J Med. 2015 Oct 30. pii: S0002-9343(15)01020-7. doi:

10.1016/j.amjmed.2015.10.016. [Epub ahead of print].

Impact Factor **5.003**, Medicine, General & Internal, Rank 10.

269. Weidmann ZM, Breidhardt T, Twerenbold R, Züsli C, Nowak A, von Eckardstein A, Erne P, Rentsch K, de Oliveira MT Jr, Gualandro D, Maeder MT, Rubini Gimenez M, Pershyna K, Stallone F, Haas L, Jaeger C, Wildi K, Puelacher C, Honegger U, Wagener M, Wittmer S, Schumacher C, Krivoshei L, Hillinger P, Osswald S, **Mueller C**.

Prediction of mortality using quantification of renal function in acute heart failure.

Int J Cardiol. 2015 Dec 15;201:650-7.

Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.

270. Hillinger P, Twerenbold R, Jaeger C, Wildi K, Reichlin T, Gimenez MR, Engels U, Miró O, Boeddinghaus J, Puelacher C, Nestelberger T, Röthlisberger M, Ernst S, Rentsch K, **Mueller C**.

Optimizing Early Rule-Out Strategies for Acute Myocardial Infarction: Utility of 1-Hour Copeptin.

Clin Chemistry 2015; Dec;61(12):1466-74

Impact Factor **7.911**, Laboratory Medicine, Rank 1

271. **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 R, Weiser S, Bendig G, Dilba, P. Lindahl B, for the TRAPID-AMI Investigators.

Multicenter Evaluation of a 0h/1h-Algorithm in the Diagnosis of Myocardial Infarction Using High-Sensitivity Cardiac Troponin T

Annals of Emergency Medicine 2015; in press.

Impact Factor **4.695**, Emergency Medicine, Rank 1

272. Sou SM, Puelacher C, Twerenbold R, Wagener M, Honegger U, Reichlin T, Schaerli N, Pretre G, Abächerli R, Jaeger C, Rubini Gimenez M, Wild D, Rentsch KM, Zellweger MJ, **Mueller C**. Direct comparison of cardiac troponin I and cardiac troponin T in the detection of exercise-induced myocardial ischemia

Clinical Biochemistry 2015; Dec 17. pii: S0009-9120(15)00583-4. doi:

10.1016/j.clinbiochem.2015.12.005. [Epub ahead of print].

Impact Factor **2.275**, Laboratory Medicine

273. Lee G, Twerenbold R, Tanglay Y, Reichlin T, Honegger U, Wagener M, Jaeger C, Rubini Gimenez M, Hochgruber T, Puelacher C, Radosavac M, Kreutzinger P, Stallone F, Hillinger P, Krivoshei L, Herrmann T, Mayr R, Freese M, Wild D, Rentsch K, Todd J, Osswald S, Zellweger MJ, **Mueller C**.

Clinical benefit of high-sensitivity cardiac Troponin I in the detection of exercise-

induced myocardial ischemia

Am Heart J 2016;173:8-17.

Impact Factor **4.463**, Cardiac & Cardiovascular Systems.

274. Nestelberger T, Wildi K, Boeddinghaus J, Twerenbold R, Reichlin T, Giménez MR, Puelacher C, Jaeger C, Grimm K, Sabti Z, Hillinger P, Kozhuharov N, du Fay de Lavallaz J, Pinck F, Lopez B, Salgado E, Miró Ò, Bingisser R, Lohrmann J, Osswald S, **Mueller C**. Characterization of the observe zone of the ESC 2015 high-sensitivity cardiac troponin 0h/1h-algorithm for the early diagnosis of acute myocardial infarction.

Int J Cardiol. 2016; Mar 15;207:238-45.

Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.

275. Boeddinghaus J, Reichlin T, Cullen L, Greenslade JH, Parsonage WA, Hammett C, Pickering JW, Hawkins T, Aldous S, Twerenbold R, Wildi K, Nestelberger T, Grimm K, Rubini-Gimenez M, Puelacher C, Kern V, Rentsch K, Than M, **Mueller C**.

Two-Hour Algorithm for Triage Towards Rule-Out and Rule-In of Acute Myocardial Infarction by Use of High-Sensitivity Cardiac Troponin I.

Clin Chem. 2016; Mar;62(3):494-504.

Impact Factor **7.911**, Laboratory Medicine, Rank 1

276. Kreuzinger P, Wildi K, Twerenbold R, Gimenez MR, Reichlin T, Jaeger C, Hillinger P, Boeddinghaus J, Nestelberger T, Puelacher C, Stallone F, Rentsch K, Osswald S, Jeger R, Kaiser C, **Mueller C**.

Incidence and predictors of cardiomyocyte injury in elective coronary angiography.

Am J Med. 2016 Jan 4. pii: S0002-9343(15)30044-9. doi:

10.1016/j.amjmed.2015.12.010. [Epub ahead of print]

Impact Factor **5.003**, Medicine, General & Internal, Rank 10.

277. Marston NA, Shah KS, **Mueller C**, Neath SX, Christenson RH, McCord J, Nowak RM, Daniels LB, Hollander JE, Apple F, Nagurney J, Schreiber D, deFilippi C, Diercks D, Limkakeng A, Anand IS, Wu AH, Jaffe AS, Peacock WF, Maisel AS.

Serial sampling of copeptin levels improves diagnosis and risk stratification in patients presenting with chest pain: results from the CHOPIN trial.

Impact factor 2.5

278. Mueller-Hennessen M, Lindahl B, Giannitsis E, Biener M, Vafaie M, deFilippi CR, Christ M, Santalo-Bel M, Panteghini M, Plebani M, Verschuren F, Jernberg T, French JK, Christenson RH, Body R, McCord J, Dilba P, Katus HA, **Mueller C**; for the TRAPID-AMI Investigators. Age- and Gender-specific Compared to General 99th Percentile Cut-offs for Diagnosis of Myocardial Infarction and Prognostic Implications -Sub-analysis from the TRAPID-AMI (High-sensitivity cardiac Troponin T assay for RAPID rule-out of Acute Myocardial Infarction) Study

Int J Cardiol. 2016; Apr 15;209:26-33.

Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 9.

279. Repilado FJ, Aeschbacher S, Bossard M, Schoen T, Gugganig R, van der Stouwe JG, Krisai P, Kofler T, Buser A, Risch M, Risch L, **Mueller C**, Conen D.

Relationship of N-Terminal fragment of Pro B-Type Natriuretic Peptide and Copeptin with Erythrocytes-Related Parameters: A Population-Based Study



Clinical Biochemistry 2016; Feb 2. pii: S0009-9120(16)00048-5. doi: 10.1016/j.clinbiochem.2016.01.021. [Epub ahead of print].  
Impact Factor **2.275**, Laboratory Medicine

280. Staub D, Partovi S, Zeller T, Breidhardt T, Kaech M, Boeddinghaus J, Puelacher C, Nestelberger T, Aschwanden M, **Mueller C**. Multimarker Assessment for the Prediction of Renal Function Improvement After Percutaneous Revascularization for Renal Artery Stenosis  
Cardiovascular Diagnosis and Therapy 2016; in press.
281. Stallone F, Schoenenberger AW, Puelacher C, Rubini Gimenez M, Walz B, Naduvilekoot Devasia A, Bergner M, Twerenbold R, Wildi K, Reichlin T, Hillinger P, Erne P, **Mueller C**.  
Incremental value of copeptin in suspected acute myocardial infarction very early after symptom onset.  
Eur Heart J Acute Cardiovasc Care 2016 Mar 24. pii: 2048872616641289. [Epub ahead of print]
282. Neumann JT, Sørensen NA, Schwemer T, Ojeda F, Bourry R, Sciacca V, Schaefer S, Waldeyer C, Sinning C, Renné T, Than M, Parsonage W, Wildi K, Makarova N, Schnabel RB, Landmesser U, **Mueller C**, Cullen L, Greenslade J, Zeller T, Blankenberg S, Karakas M, Westermann D.  
Diagnosis of Myocardial Infarction Using a High-Sensitivity Troponin I 1-Hour Algorithm.  
JAMA Cardiology 2016; Epub ahead of print.
283. Body R, **Mueller C**, Giannitsis E, Christ M, Ordonez-Llanos J, de Filippi CR, Nowak R, Panteghini M, Jernberg T, Plebani M, Verschuren F, French JK, Christenson R, Weiser S, Bendig G, Dilba P, Lindahl B; for the TRAPID-AMI Investigators. The use of very low levels of high sensitivity troponin T to rule out acute myocardial infarction using a single blood test  
Acad Emerg Med J. 2016; May 14. doi: 10.1111/acem.13012. [Epub ahead of print]  
Impact Factor **3.0**, Emergency Medicine, Rank 3.
284. Ferreira JP, Girerd N, Arrigo M, Bettencourt Medeiros P, Bento Ricardo M, Almeida T, Rola A, Tolpannen H, Laribi S, Gayat E, Mebazaa A, **Mueller C**, Zannad, F, Rossignol P, Aragaño I.  
Enlarging Red Blood Cell Distribution Width During Hospitalization Identifies a Very High-Risk Subset of Acutely Decompensated Heart Failure Patients and Adds Valuable Prognostic Information on Top of Hemoconcentration.  
Medicine 2016;95: (14):e3307.  
Impact Factor **5.7**, Medicine, General, Rank 10.
285. Twerenbold R, Jaeger C, Rubini Giménez M, Wildi K, Reichlin T, Nestelberger T, Boeddinghaus J, Grimm K, Puelacher C, Moehring B, Pretre G, Schaerli N, Campodarve I, Rentsch K, Steuer S, Osswald S, **Mueller C**.  
Impact of high-sensitivity cardiac troponin on use of coronary angiography, cardiac stress testing and time to discharge in suspected acute myocardial infarction  
Eur Heart J 2016;in press.  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 2.

- Michael Christ, Stefan Störk, Marcus Dörr, Hans J. Heppner, **Christian Müller**, Rolf Wachter, and Uwe Riemer for the Trend HF Germany Project.
286. Heart failure epidemiology 2000–2013: insights from the German Federal Health Monitoring System  
Eur J Heart Fail 2016; in press.  
Impact Factor **6**, Cardiac & Cardiovascular Systems, Rank 7.

## B) Peer reviewed: Reviews

1. **Mueller Ch**, Buser P: B-type natriuretic peptide (BNP): Can it improve our management of patients with congestive heart failure? *Swiss Med Wkly* 2002;132:618-622.  
Impact Factor 2.086, Medicine, General & Internal, Rank 32.
2. **Mueller Ch**, Kuster G, Buettner HJ, Buser P: B-Typ natriuretisches Peptid. Aktueller Stellenwert in der Diagnostik und Therapieoptimierung der Herzinsuffizienz. *Herz* 2003;28:374-9.  
Impact Factor **0.629**, Cardiac & Cardiovascular Systems, Rank 67.
3. **Mueller Ch**, Pfisterer M. Schützt Rotwein vor dem Herzinfarkt? *Schweiz Rundsch Med Prax* 2004;93:957-9.
4. **Mueller Ch**. Prevention of contrast nephropathy in critical ill patients using acetylcysteine and theophylline. *Int J Artif Organs* 2004;27:1066-9.  
Impact factor **0.964**, ENGINEERING, BIOMEDICAL TRANSPLANTATION, Rank 25.
5. Zeller T, Frank U, **Müller Ch**, et al. Improved renal function after percutaneous stenting of atherosclerotic ostial renal artery stenosis. *Cardiology Review* 2004;21:13-19.
6. **Mueller Ch**, Laule-Kilian K, Staub D, Purek L, Perruchoud AP. Natriuretic peptide and management of acute dyspnea. *Cardiology Review* 2005;22:32-5.
7. **Mueller Ch**, Laule-Kilian K, Christ A, Staub D. The use of B-type natriuretic peptide in the diagnosis of acute dyspnoea. *Clin Lab* 2005;51:5-9.
8. **Mueller Ch**, Christ M, Müller B. What cardiologists do need to know about procalcitonin. *Clin Lab* 2005;51:1-4.
9. **Mueller Ch**, Christ M, Buerkle G, Müller B. Intéret de la procalcitonine en pratique cardiologique quotidienne. *Realites cardiologiques* 2005;205:51-55.
10. **Mueller Ch**, Brunner HP, Buser P. Diagnostischer Einsatz der natriuretischen Peptide. *Kardiovaskuläre Medizin* 2004;7:459-64.
11. **Mueller Ch**. Stellenwert des BNP in der Differentialdiagnostik der akuten Atemnot. *Primary Care* 2005;15:349-50.
12. **Mueller C**, Christ-Crain M, Mueller B. Procalcitonin – A clinical perspective. *Life Sciences: Business & Technology Review* 2006.
13. Zeller T, Rastan A, Rothenpieler U, **Müller C**. Restenosis after stenting of atherosclerotic renal artery stenosis: Is there a rationale for the use of drug eluting stents? *Catheterization and Cardiovascular Interventions* 2006;68:125-130.  
Impact Factor **2.248** , Cardiac & Cardiovascular Systems, Rank 32.
14. McCullough PA, **Mueller C**, Yancy CW Jr. Overview of B-type natriuretic Peptide as a blood test. *Congest Heart Fail.* 2006 Mar-Apr;12(2):99-102.
15. **Mueller C**. The use of B-type natriuretic peptide in clinical practice. *European Cardiovascular Disease* 2006.

16. **Mueller Ch**, Breidthardt T, Laule-Kilian K, Christ M, Perruchoud AP. The integration of BNP and NT-proBNP into clinical practice. Swiss Med Wkly 2007;137:4-12.  
Impact Factor 2.086, Medicine, General & Internal, Rank 32.
17. **Mueller Ch**. B-Typ Natriuretisches Peptid. Swiss Med Forum 2008;8:521-5.
18. Maeder M, **Mueller Ch**, Pfisterer ME, Buser P, Brunner-La Rocca HP. Use of B-type Natriuretic Peptide Outside of the Emergency Department. Int J Cardiol 2008;127:5-16.  
Impact Factor **4.056**, Cardiac & Cardiovascular Systems, Rank 6.
19. Christ M, **Mueller C**. B-Typ Natriuretische Peptide. Deutsches Aerzteblatt 2008;105:95-100.
20. **Mueller C**, Müller B, Perruchoud AP. Biomarkers: past, present, and future. Swiss Med Wkly 2008;138:225-9.  
Impact Factor 2.086, Medicine, General & Internal, Rank 32.
21. **Mueller C**, Schindler C, Perruchoud AP. Kosteneffektivität. Swiss Med Forum 2008;8:19-20.
22. Maisel A, **Mueller C**, et al. State of the art: Using B-type natriuretic peptide in clinical practice. Eur J Heart Fail 2008;10:824-39.  
Impact Factor 6.526, Cardiac & Cardiovascular Systems, Rank 7.
23. Pirracchio R, Logeart D, Noveanu M, Mebazaa A, **Mueller C**. The use of natriuretic peptides in the intensive care unit. Current Opinion in Critical Care 2008;14:536-42.  
Impact Factor **3.318**, Critical Care Medicine, Rank 7.
24. **Mueller C**. Cost Effectiveness of BNP in the management of dyspnea. Clinical Pulmonary Medicine 2009;
25. Noveanu M, Potocki M, **Mueller C**. Natriuretic peptides and their evolving clinical applications. Future Cardiology 2008;4:593-8.
26. **Mueller C**. The potential of cardiac markers to improve patient management. JMB 2008;27:109-113.
27. Arenja N, Socrates T, **Mueller C**. Use of B-type Natriuretic Peptide in Clinical Practice. European Cardiovascular Disease: Clinical Insights and Practice 2009 in press.
28. Noveanu M, Hartwiger S, **Mueller C**. What anesthesiologists should know about B-type natriuretic peptide. Minerva Anestesiol 2009;75:698-702.
29. **Mueller C**. Stellenwert der Natriuretischen Peptide in der Diagnostik der Dyspnoe. Therapeutische Umschau 2009;66:649-52.
30. Noveanu M, Mebazaa A, **Mueller C**. Cardiovascular biomarkers in the ICU. Current Opinion in Critical Care 2009;15:377-83.  
Impact Factor **3.318**, Critical Care Medicine, Rank 7.

31. Maisel A, **Mueller C**, et al. BNP State of the art: 2008. Chinese Journal of Medicinal Guide 2009;11:1628-37.
32. Reda Salem, Franck Sibellas, Thenral Socrates, Nisha Arenja, Mehmet Birhan Yilmaz, **Christian Mueller**, Alexandre Mebazaa. Novelities in the Early Management of Acute Heart Failure Syndromes Swiss Med Wkly 2010; Jul 22;140:w13031. doi: 10.4414/smw.2010.13031.  
Impact Factor 2.086, Medicine, General & Internal, Rank 32.
33. Twerenbold R, Jaffe AS, Reichlin T, Reiter M, **Mueller C**. High-sensitive troponin T in acute coronary syndrome: what do we gain. Eur Heart J 2012; Jan 19. [Epub ahead of print].  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.
34. Twerenbold R, Reichlin T, **Mueller C**. Clinical application of sensitive cardiac troponin assays: potential and limitations  
Biomark Med 2010;4:395-401.
35. Thygesen K, Mair J, Katus H, Plebani M, Venge P, Collinson P, Lindahl B, Giannitsis E, Hasin Y, Galvani M, Tubaro M, Alpert JS, Biasucci LM, Koenig W, **Mueller C**, Huber K, Hamm C, Jaffe AS; Study Group on Biomarkers in Cardiology of the ESC Working Group on Acute Cardiac Care. Recommendations for the clinical use of cardiac troponin measurements in acute Cardiac Care. Eur Heart J 2010;31:2197-204.  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.
36. Thygesen K, Mair J, **Mueller C**, Huber K, Weber M, Plebani M, Katus H, Venge P, Collinson P, Lindahl B, Giannitsis E, Hasin Y, Galvani M, Tubaro M, Alpert JS, Biasucci LM, Koenig W, Hamm C, Jaffe AS; Study Group on Biomarkers in Cardiology of the ESC Working Group on Acute Cardiac Care. Recommendations for the use of natriuretic peptides in acute cardiac care. Eur Heart J 2012; Aug;33(16):2001-6.  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3
37. Tendera M, Aboyans V, Bartelink ML, Baumgartner I, Clément D, Collet JP, Cremonesi A, De Carlo M, Erbel R, Fowkes FG, Heras M, Kownator S, Minar E, Ostergren J, Poldermans D, Rimbau V, Roffi M, Röther J, Sievert H, van Sambeek M, Zeller T; ESC Committee for Practice Guidelines, Bax J, Auricchio A, Baumgartner H, Ceconi C, Dean V, Deaton C, Fagard R, Funck-Brentano C, Hasdai D, Hoes A, Knuuti J, Kolh P, McDonagh T, Moulin C, Poldermans D, Popescu B, Reiner Z, Sechtem U, Sirnes PA, Torbicki A, Vahanian A, Windecker S; Document Reviewers, Kolh P, Torbicki A, Agewall S, Blinc A, Bulvas M, Cosentino F, De Backer T, Gottsäter A, Gulba D, Guzik TJ, Jönsson B, Késmárky G, Kitsiou A, Kuczmik W, Larsen ML, Madaric J, Mas JL, McMurray JJ, Micari A, Mosseri M, **Müller C**, Naylor R, Norrving B, Oto O, Pasiński T, Plouin PF, Ribichini F, Ricco JB, Ruilope L, Schmid JP, Schwehr U, Sol BG, Sprynger M, Tiefenbacher C, Tsioufis C, Van Damme H. [ESC Guidelines on the diagnosis and treatment of peripheral artery diseases: Document covering atherosclerotic disease of extracranial carotid and vertebral, mesenteric, renal, upper and lower extremity arteries: the Task Force on the Diagnosis and Treatment of Peripheral Artery Diseases of the European Society of Cardiology \(ESC\)](#). European Stroke Organisation; Eur Heart J. 2011 Nov;32(22):2851-906. Epub 2011 Aug 26.  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.

38. Balmelli C, Drexler B, **Mueller C**. Utile or futile: Biomarkers in the ICU. *Critical Care* 2011; Mar 9;15(2):131. [Epub ahead of print]  
Impact Factor **4.476**, *Critical Care Medicine*, Rank 3
39. Reiter M, Reichlin T, Twerenbold R, **Mueller C**. Diagnosis of Acute Myocardial Infarction Using Highly Sensitive Cardiac Troponin Assays. *European Cardiology* 2011;7:18-20.
40. Twerenbold R, Reichlin T, Reiter M, **Mueller C**. High-Sensitive Cardiac Troponin: Friend or Foe? *Swiss Medical Weekly* 2011; May 10;141:w13202. doi: 10.4414/smw.2011.13202
41. Schaub N, Frei R, **Mueller C**. Addressing unmet clinical needs in the early diagnosis of sepsis. *Swiss Med Wkly* 2011; Jul 18;141:w13244. doi: 10.4414/smw.2011.13244  
Impact Factor 2.086, *Medicine, General & Internal*, Rank 32.
42. Christ M, Bertsch T, Popp S, Bahrmann P, Heppner H, **Müller C**. High-Sensitivity Troponin Assays in the Evaluation of Patients with Acute Chest Pain in the Emergency Department. *Clinical Chemistry and Laboratory Medicine* 2011; Sep 6. [Epub ahead of print].
43. Thygesen K, Mair J, Giannitsis E, **Mueller C**, Lindahl B, Blankenberg S, Huber K, Plebani M, Biasucci LM, Tubaro M, Collinson P, Venge P, Hasin Y, Galvani M, Koenig W, Hamm C, Alpert JS, Katus H, Jaffe AS; the Study Group on Biomarkers in Cardiology of the ESC Working Group on Acute Cardiac Care. How to use high-sensitivity cardiac troponins in acute cardiac care. *Eur Heart J* 2012 Sep;33(18):2252-7.  
Impact Factor **15.203**, *Cardiac & Cardiovascular Systems*, Rank 3.
44. **Mueller C**. New ESC guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. *Swiss Medical Weekly* 2012; 2012 Mar 22;142:w13514.
45. Potocki M, Ziller R, **Mueller C**. Mid-Regional Pro-Adrenomedullin in Acute Heart Failure: A Better Biomarker or Just Another Biomarker? *Curr Heart Fail Rep.* 2012; Sep 9(3):244-51.
46. **Mueller C**. Happy Birthday BNP. *Eur Heart J Acute Cardiovasc Care.* 2012 Jun;1(2):109-10
47. McMurray JJ, Adamopoulos S, Anker SD, Auricchio A, Böhm M, Dickstein K, Falk V, Filippatos G, Fonseca C, Gomez-Sanchez MA, Jaarsma T, Køber L, Lip GY, Maggioni AP, Parkhomenko A, Pieske BM, Popescu BA, Rønnevik PK, Rutten FH, Schwitler J, Seferovic P, Stepinska J, Trindade PT, Voors AA, Zannad F, Zeiher A; ESC Committee for Practice Guidelines (CPG), Bax JJ, Baumgartner H, Ceconi C, Dean V, Deaton C, Fagard R, Funck-Brentano C, Hasdai D, Hoes A, Kirchhof P, Knuuti J, Kolh P, McDonagh T, Moulin C, Popescu BA, Reiner Z, Sechtem U, Sirnes PA, Tendera M, Torbicki A, Vahanian A, Windecker S; Document Reviewers, McDonagh T, Sechtem U, Bonnet LA, Avraamides P, Ben Lamin HA, Brignole M, Coca A, Cowburn P, Dargie H, Elliott P, Flachskampf FA, Guida GF, Hardman S, Jung B, Merkely B, **Mueller C**, Nanas JN, Nielsen OW, Orn S, Parissis JT, Ponikowski P. [ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure 2012: The Task Force for the Diagnosis and Treatment of Acute and Chronic Heart Failure 2012 of the European Society of Cardiology. Developed in collaboration with the Heart Failure Association \(HFA\) of the ESC.](#) *Eur Heart J.* 2012 Jun 26. [Epub ahead of print]

48. Reichlin T, **Mueller C**. [Serial changes in highly sensitive cardiac troponin improve the early diagnosis of acute myocardial infarction.](#) Evid Based Med. 2012 2 Dec;17(6):e10.
49. Thygesen K, Alpert JS, Jaffe AS, Simoons ML, Chaitman BR, White HD; the Writing Group on behalf of the Joint ESC/ACCF/AHA/WHF Task Force for the Universal Definition of Myocardial Infarction; Authors/Task Force Members Chairpersons, Thygesen K, Alpert JS, White HD; Biomarker Subcommittee, Jaffe AS, Katus HA, Apple FS, Lindahl B, Morrow DA; ECG Subcommittee, Chaitman BR, Clemmensen PM, Johanson P, Hod H; Imaging Subcommittee, Underwood R, Bax JJ, Bonow RO, Pinto F, Gibbons RJ; Classification Subcommittee, Fox KA, Atar D, Newby LK, Galvani M, Hamm CW; Intervention Subcommittee, Uretsky BF, Gabriel Steg P, Wijns W, Bassand JP, Menasché P, Ravkilde J; Trials & Registries Subcommittee, Ohman EM, Antman EM, Wallentin LC, Armstrong PW, Simoons ML; Heart Failure Subcommittee, Januzzi JL, Nieminen MS, Gheorghiade M, Filippatos G; Epidemiology Subcommittee, Luepker RV, Fortmann SP, Rosamond WD, Levy D, Wood D; Global Perspective Subcommittee, Smith SC, Hu D, Lopez-Sendon JL, Robertson RM, Weaver D, Tendera M, Bove AA, Parkhomenko AN, Vasilieva EJ, Mendis S; ESC Committee for Practice Guidelines (CPG), Bax JJ, Baumgartner H, Ceconi C, Dean V, Deaton C, Fagard R, Funck-Brentano C, Hasdai D, Hoes A, Kirchhof P, Knuuti J, Kolh P, McDonagh T, Moulin C, Popescu BA, Reiner Z, Sechtem U, Sirnes PA, Tendera M, Torbicki A, Vahanian A, Windecker S; Document Reviewers, Morais J, Aguiar C, Almahmeed W, Arnar DO, Barili F, Bloch KD, Bolger AF, Bøtker HE, Bozkurt B, Bugiardini R, Cannon C, de Lemos J, Eberli FR, Escobar E, Hlatky M, James S, Kern KB, Moliterno DJ, **Mueller C**, Neskovic AN, Pieske BM, Schulman SP, Storey RF, Taubert KA, Vranckx P, Wagner DR. Third universal definition of myocardial infarction. Eur Heart J. 2012 Aug 24. [Epub ahead of print]
50. Biasucci LM, Koenig W, Mair J, **Mueller C**, Plebani M, Lindahl B, Rifai N, Venge P, Hamm C, Giannitsis E, Huber K, Galvani M, Tubaro M, Collinson P, Alpert JS, Hasin Y, Katus H, Jaffe AS, Thygesen K; the Study Group on Biomarkers in Cardiology of the Acute Cardiovascular Care Association of the European Society of Cardiology. How to use C-reactive protein in acute coronary care. Eur Heart J. 2013 Dec;34(48):3687-90. doi: 10.1093/eurheartj/eht435. Epub 2013 Nov 7.. Impact Factor 15.203, Cardiac & Cardiovascular Systems, Rank 2.
51. **Mueller C**. Use of high-sensitivity troponin for the diagnosis of acute myocardial infarction. Coron Artery Dis. 2013;24:710–712. IF 2,3
52. Rydén L, Grant PJ, Anker SD, Berne C, Cosentino F, Danchin N, Deaton C, Escaned J, Hammes HP, Huikuri H, Marre M, Marx N, Mellbin L, Ostergren J, Patrono C, Seferovic P, Uva MS, Taskinen MR, Tendera M, Tuomilehto J, Valensi P, Zamorano JL; ESC Committee for Practice Guidelines (CPG), Zamorano JL, Achenbach S, Baumgartner H, Bax JJ, Bueno H, Dean V, Deaton C, Erol C, Fagard R, Ferrari R, Hasdai D, Hoes AW, Kirchhof P, Knuuti J, Kolh P, Lancellotti P, Linhart A, Nihoyannopoulos P, Piepoli MF, Ponikowski P, Sirnes PA, Tamargo JL, Tendera M, Torbicki A, Wijns W, Windecker S; Document Reviewers, De Backer G, Sirnes PA, Ezquerra EA, Avogaro A, Badimon L, Baranova E, Baumgartner H, Betteridge J, Ceriello A, Fagard R, Funck-Brentano C, Gulba DC, Hasdai D, Hoes AW, Kjekshus JK, Knuuti J, Kolh P, Lev E, **Mueller C**, Neyses L, Nilsson PM, Perk J, Ponikowski P, Reiner Z, Sattar N, Schächinger V, Scheen A, Schirmer H, Strömberg A, Sudzhaeva S, Tamargo JL, Viigimaa M, Vlachopoulos C, Xuereb RG. ESC Guidelines on diabetes, pre-diabetes, and cardiovascular diseases developed in collaboration with the EASD: The Task Force on diabetes, pre-diabetes, and cardiovascular diseases of the European Society of Cardiology (ESC) and developed in collaboration with the European Association for the Study of Diabetes (EASD). Eur Heart

J. 2013.Oct;34(39):3035-87.

Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3

53. **Mueller C.** Biomarkers in ACS: an update. Eur Heart J 2013; Epub ahead of print. Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.
54. McCullough P, Kellum JA, Haase M, **Mueller C**, Damman K, Murray P, Cruz D, House A, Schmidt-Ott K M, Vescovo G, Bagshaw SM, Hoste E, Briguori C, Braam B, Chawla L, Costanzo M, Tumlin JA, Herzog CA, Mehta RL, Rabb H, Shaw AD, Singbartl K, Ronco C. Pathophysiology of the cardiorenal syndromes: executive summary from the eleventh consensus conference of the Acute Dialysis Quality Initiative (ADQI)., Contrib Nephrol 2013;182: 82-98. doi: 10.1159/000349966. Epub 2013 May 13
55. Haase M, **Mueller C**, Damman K, Murray PT, Kellum JA, Ronco C, McCullough PA. Pathogenesis of cardiorenal syndrome type 1 in acute decompensated heart failure: workgroup statements from the eleventh consensus conference of the Acute Dialysis Quality Initiative (ADQI).Contrib Nephrol 2013;182: 99-116. Epub 2013 May 13
56. MARÍA RUBINI, BEATRIZ LÓPEZ, SALVADOR RUBINI, **CHRISTIAN MUELLER**. Biomarcadores en el paciente con dolor torácico: pasado, presente y futuro Emergencias 2014;in press, IF 3
57. Rubini Gimenez M, Wildi K, **Mueller C**. What Cardiologists Should Know About Copeptin? Rev Esp Cardiol (Engl Ed). 2014 Jul;67(7):519-21.
58. Herrmann T, Moreno Weidmann Z, **Mueller C**. Medikamentöse Therapie der akuten Herzinsuffizienz. Notfall und Rettungsmedizin 2015; in press
59. Gualandro DM, Puelacher C, **Mueller C**. High-sensitivity cardiac troponin in acute conditions. Current Opinion in Critical Care 2014; 20:472-477. Impact Factor **3.318**, Critical Care Medicine, Rank 7.
60. Jaffe AS, Moeckel M, Giannitsis E, Huber K, Mair J, **Mueller C**, Plebani M, Thygesen K, Lindahl B. In search for the Holy Grail: Suggestions for studies to define delta changes to diagnose or exclude acute myocardial infarction: a position paper from the study group on biomarkers of the Acute Cardiovascular Care Association.Eur Heart J Acute Cardiovasc Care 2014 Dec;3(4):313-6. doi: 10.1177/2048872614541906
61. de Boer RA, van der Velde AR, **Mueller C**, van Veldhuisen DJ, Anker SD, Peacock WF, Adams KF, Maisel A. Galectin-3: a modifiable risk factor in heart failure. Cardiovasc Drugs Ther. 2014 Jun;28(3):237-46.
62. Mueller C. MY APPROACH to Low-Level Troponin Elevations. PracticeUpdate website. Available at: <http://www.practiceupdate.com/ExpertOpinion/1138/1/2>. Accessed September 9, 2014.



63. Mueller CE. MY APPROACH to Low-Level Troponin Elevations. Trends in Cardiovascular Medicine 2015;May;25(4):373. doi: 10.1016/j.tcm.2014.09.018. Epub 2015 Jan 23.
64. Aradi D, Mair J, Collet JP, Plebani M, Merkely B, Giannitsis E, Thygesen K, **Mueller C**, Lindahl B, Huber K; the Study Group on Biomarkers in Cardiology of the Acute Cardiovascular Care Association of the European Society of Cardiology. Platelet function testing in acute cardiac care – is there a role for prediction or prevention of stent thrombosis and bleeding? Thrombosis and Hemostasis Thromb Haemost. 2015; Feb;113(2):221-30. doi: 10.1160/TH14-05-0449. Epub 2014 Nov 20. Impact factor **5.67**
65. Lip GY, Windecker S, Huber K, Kirchhof P, Marin F, Ten Berg JM, Haeusler KG, Boriani G, Capodanno D, Gilard M, Zeymer U, Lane D; Document Reviewers, Storey RF, Bueno H, Collet JP, Fauchier L, Halvorsen S, Lettino M, Morais J, **Mueller C**, Potpara TS, Rasmussen LH, Rubboli A, Tamargo J, Valgimigli M, Zamorano JL. Management of antithrombotic therapy in atrial fibrillation patients presenting with acute coronary syndrome and/or undergoing percutaneous coronary or valve interventions: a joint consensus document of the European Society of Cardiology Working Group on Thrombosis, European Heart Rhythm Association (EHRA), European Association of Percutaneous Cardiovascular Interventions (EAPCI) and European Association of Acute Cardiac Care (ACCA) endorsed by the Heart Rhythm Society (HRS) and Asia-Pacific Heart Rhythm Society (APHS). [Eur Heart J](#). 2014 Dec 1;35(45):3155-79  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3
66. Kristensen SD, Knuuti J, Saraste A, Anker S, Bøtker HE, De Hert S, Ford I, Gonzalez-Juanatey JR, Gorenek B, Heyndrickx GR, Hoefl A, Huber K, Jung B, Kjeldsen KP, Longrois D, Lüscher TF, Pierard L, Pocock S, Price S, Roffi M, Sirnes PA, Sousa-Uva M, Voudris V, Funck-Brentano C; Authors/Task Force Members. 2014 ESC/ESA Guidelines on non-cardiac surgery: cardiovascular assessment and management: The Joint Task Force on non-cardiac surgery: cardiovascular assessment and management of the European Society of Cardiology (ESC) and the European Society of Anaesthesiology (ESA). [Eur Heart J](#) 2014;Sep 14;35(35):2383-431.  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3
67. Task Force on diabetes, pre-diabetes, and cardiovascular diseases of the European Society of Cardiology (ESC); European Association for the Study of Diabetes (EASD), Rydén L, Grant PJ, Anker SD, Berne C, Cosentino F, Danchin N, Deaton C, Escaned J, Hammes HP, Huikuri H, Marre M, Marx N, Mellbin L, Ostergren J, Patrono C, Seferovic P, Uva MS, Taskinen MR, Tendera M, Tuomilehto J, Valensi P, Zamorano JL. ESC guidelines on diabetes, pre-diabetes, and cardiovascular diseases developed in collaboration with the EASD - summary.  
[Diab Vasc Dis Res](#). 2014 May;11(3):133-73.
68. McCullough PA, Kellum JA, Haase M, **Müller C**, Damman K, Murray PT, Cruz D, House AA, Schmidt-Ott KM, Vescovo G, Bagshaw SM, Hoste EA, Briguori C, Braam B, Chawla LS, Costanzo MR, Tumlin JA, Herzog CA, Mehta RL, Rabb H, Shaw AD, Singbartl K, Ronco C. Pathophysiology of the Cardiorenal Syndromes: Executive Summary from the Eleventh Consensus Conference of the Acute Dialysis Quality Initiative (ADQI).  
[Blood Purif](#). 2014;37 Suppl 2:2-13. doi: 10.1159/000361059. Epub 2014 Jul 31.

69. Puelacher C, Hillinger P, Wagener M, **Müller C**. Cardiac biomarkers for infarct diagnosis and early exclusion of acute coronary syndrome. *Herz*. 2014 Sep;39(6):668-71 Impact Factor 1.3
70. Wildi K, Twerenbold R, **Mueller C**. How acute changes in cardiac troponin concentrations help to handle the challenges posed by troponin elevations in non-ACS-patients. *Clin Biochemistry* 2015 Mar;48(4-5):218-22. doi: 10.1016/j.clinbiochem.2014.09.003. Epub 2014 Sep 15. Review4; in press. Impact factor 2.275
71. Puelacher C, Hillinger P, Wagener M, **Mueller C**. [Kardiale Biomarker bei Myokardinfarkt und Herzinsuffizienz](#). *Journal für Kardiologie* 2015;22:124-8.
72. Rubini Gimenez M, Twerenbold R, **Mueller C**. Beyond cardiac troponin: recent advances in the development of alternative biomarkers for cardiovascular diseases  
  
*Expert Reviews on Molecular Diagnostics* 2015; Apr;15(4):547-56. doi: 10.1586/14737159.2015.1010519. Epub 2015 Feb 12. Impact factor 4.3
73. Schuetz P, Aujewski D, **Mueller C**, Mueller B. Biomarker-guided personalised emergency medicine for all – hope for another hype?. *Swiss Medical Weekly* 2015; Feb 19;145:w14079. doi: 10.4414/smw.2015.14079. eCollection 2015.
74. Maisel AS, Richards M, Pascual-Figal D, **Mueller C**. Serial ST2 Testing in Hospitalized Patients With Acute Heart Failure. *Am J Cardiol*. 2015 Apr 2;115(7 Suppl):32B-7B. doi: 10.1016/j.amjcard.2015.01.038. Epub 2015 Jan 23. Review
75. Bayes-Genis A, Richards AM, Maisel AS, **Mueller C**, Ky B. [Multimarker testing with ST2 in chronic heart failure](#). *Am J Cardiol*. 2015 Apr 2;115(7 Suppl):76B-80B. doi: 10.1016/j.amjcard.2015.01.045. Epub 2015 Jan 23. Review
76. Mebazaa A, Yilmaz MB, Levy P, Ponikowski P, Peacock WF, Laribi S, Ristic A, Lambrinou E, Masip J, Riley JP, McDonagh T, **Mueller C**, deFilippi C, Harjola VP, Thiele H, Piepoli MF, Metra M, Maggioni A, McMurray J, Dickstein K, Damman K, Seferovic PM, Ruschitzka F, Leite-Moreira AF, Bellou A, Anker SD, Filippatos G. Recommendations on pre-hospital and early hospital management of acute heart failure: a consensus paper from the Heart Failure Association of the European Society of Cardiology, the European Society of Emergency Medicine and the Society of Academic Emergency Medicine *Eur Heart J*. 2015; May 21. pii: ehv066. [Epub ahead of print. Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.
77. Christ M, **Mueller C**. Call to action: initiation of multidisciplinary care for acute heart failure begins in the Emergency Department *Eur Heart J Acute Cardiovasc Care* 2015; 2015 Apr 22. pii: 2048872615581501. [Epub ahead of print] Review.
78. Mebazaa A, Birhan Yilmaz M, Levy P, Ponikowski P, Frank Peacock W, Laribi S, Ristic AD, Lambrinou E, Masip J, Riley JP, McDonagh T, **Mueller C**, deFilippi C, Harjola VP, Thiele H, Piepoli MF, Metra M, Maggioni A, McMurray J, Dickstein K, Damman K, Seferovic PM, Ruschitzka F, Leite-Moreira AF, Bellou A, Anker SD, Filippatos G. [Recommendations on pre-hospital & hospital management of acute heart failure: a consensus paper from the Heart Failure Association of the European Society of Cardiology, the European Society of Emergency Medicine and the Society of Academic](#)

[Emergency Medicine](#). Eur J Heart Fail. 2015 May 21. doi: 10.1002/ejhf.289. [Epub ahead of print] **Impact Factor 6.**

79. **Mueller C**, Auer J, Halvorsen S. [Cardiac troponin elevations in acute non-coronary disease: Helpful or not?](#) Eur Heart J Acute Cardiovasc Care. 2015 Feb 12. pii: 2048872615573921. [Epub ahead of print]
80. Mebazaa A, Longrois D, Metra M, **Mueller C**, Richards AM, Roessig L, Seronde MF, Sato N, Stockbridge NL, Gattis Stough W, Alonso A, Cody RJ, Cook Bruns N, Gheorghiade M, Holzmeister J, Laribi S, Zannad F. [Agents with vasodilator properties in acute heart failure: how to design successful trials.](#) Eur J Heart Fail. 2015 Jul;17(7):652-64 doi: 10.1002/ejhf.294. [Epub ahead of print] **IF 6**
81. **Mueller C**, 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, the Acute Heart Failure Study Group of the ESC Acute Cardiovascular Care Association. European Society of Cardiology- Acute Cardiovascular Care Association Position paper on acute heart failure: A call for interdisciplinary care. European Heart Journal: Acute Cardiovascular Care 2015; Epub ahead of print
82. Mebazaa A, Tolppanen H, **Mueller C**, Lassus J, DiSomma S, Baksyte G, Cecconi M, Choi DJ, Cohen Solal A, Christ M, Masip J, Arrigo M, Noura S, Ojji D, Peacock F, Richards M, Sato N, Sliwa K, Spinar J, Thiele H, Yilmaz MB, Januzzi J. [Acute heart failure and cardiogenic shock: a multidisciplinary practical guidance.](#) Intensive Care Med. 2016 Feb;42(2):147-63. Impact Factor **4.623**, Critical Care Medicine, Rank 3.
83. **Müller C**, Kaufmann U, von Eckardstein A, Hersberger M, rentsch K, Singeisen H, Zellweger M. Empfehlung zur Umstellung der Einheit für kardiales Troponin. Swiss medical Forum 2015;15:852-3.
84. Bruno RR, Donner-Banzhoff N, Söllner W, Frieling T, **Müller C**, Christ M. Akute Thoraxschmerzen Dtsch Arztebl Int. 2015 Nov 6;112(45):768-80. **IF 3.4**
85. Giannitsis E, Mair J, Christersson C, Siegbahn A, Huber K, Jaffe AS, Peacock WF, Plebani M, Thygesen K, Möckel M, **Mueller C**, Lindahl B; Biomarker Study Group of the European Society of Cardiology (ESC) Acute Cardiovascular Care Association (ACCA). How to use D-dimer in acute cardiovascular care. Eur Heart J Acute Cardiovasc Care. 2015 Oct 8. pii: 2048872615610870. [Epub ahead of print]
86. Puelacher C, Lurati-Buse G, Singeisen H, Dang M, Cuculi F, **Müller C**. [Perioperative myocardial infarction/injury after noncardiac surgery.](#) Swiss Med Wkly. 2015 Nov 24;145:w14219. doi: 10.4414/smw.2015.14219. eCollection 2015 **IF 2**
87. Collet JP, Roffi M, **Mueller C**, Valgimigli M, Patrono C, Baumgartner H, Gaemperli O, Zamorano JL. [Questions and answers on antithrombotic therapy: a companion document of the 2015 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation†.](#)
- Eur Heart J. 2015 Aug 29. pii: ehv407. [Epub ahead of print] No abstract available. **Impact Factor 15.2.**
88. **Mueller C**, Patrono C, Valgimigli M, Collet JP, Roffi M; [Questions and answers on diagnosis and risk assessment: a companion document of the 2015 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation†.](#)

Eur Heart J. 2015 Aug 29. pii: ehv409. [Epub ahead of print]. **Impact Factor 15.2.**

89. Valgimigli M, Patrono C, Collet JP, **Mueller C**, Roffi M; [Questions and answers on coronary revascularization: a companion document of the 2015 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation](#).  
Eur Heart J. 2015 Aug 29. pii: ehv408. [Epub ahead of print] **Impact Factor 15.2.**
90. Roffi M, Patrono C, Collet JP, **Mueller C**, Valgimigli M, Andreotti F, Bax JJ, Borger MA, Brotons C, Chew DP, Gencer B, Hasenfuss G, Kjeldsen K, Lancellotti P, Landmesser U, Mehilli J, Mukherjee D, Storey RF, Windecker S. [2015 ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation: Task Force for the Management of Acute Coronary Syndromes in Patients Presenting without Persistent ST-Segment Elevation of the European Society of Cardiology \(ESC\)](#).  
Eur Heart J. 2016 Jan 14;37(3):267-315. pii: ehv320. [Epub ahead of print] **Impact Factor 15.2.**
91. Harjola VP, Mebazaa A, Čelutkienė J, Bettex D, Chioncel O, Falk V, Filippatos GS, Gibbs S, Leite-Moreira A, Lassus J, Masip J, **Mueller C**, Mullens W, Naeije R, Nordegraaf AV, Parissis J, Riley J, Ristic A, Rosano G, Rudiger A, Ruschitzka F, Seferovic P, Sztrymf B, Vieillard-Baron A, Yilmaz M, Konstantinides S. Contemporary Management of Acute Right Ventricular Failure: A Statement from the Heart Failure Association and the Working Group on Pulmonary Circulation and Right Ventricular Function of the European Society of Cardiology European Journal of Heart Failure Eur J Heart Fail. 2016;18:226-41. **Impact Factor 6.**
92. Roffi M, Patrono C, Collet JP, **Mueller C**, Valgimigli M, Andreotti F, Bax JJ, Borger MA, Brotons C, Chew DP, Gencer B, Hasenfuss G, Kjeldsen K, Lancellotti P, Landmesser U, Mehilli J, Mukherjee D, Storey RF, Windecker S. [2015 ESC Guidelines for the Management of Acute Coronary Syndromes in Patients Presenting Without Persistent ST-segment Elevation](#). Rev Esp Cardiol (Engl Ed). 2015 Dec;68(12):1125. doi: 10.1016/j.rec.2015.10.009 **Impact factor 3**
93. Roffi M, Patrono C, Collet JP, **Mueller C**, Valgimigli M, Andreotti F, Bax JJ, Borger MA, Brotons C, Chew DP, Gencer B, Hasenfuss G, Kjeldsen K, Lancellotti P, Landmesser U, Mehilli J, Mukherjee D, Storey RF, Windecker S. 93. [\[2015 ESC guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation\]](#). Kardiol Pol. 2015;73(12):1207-94. doi: 10.5603/KP.2015.0243. Polish.
94. 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 2016; Feb 21. pii: 2048872616633853. [Epub ahead of print]
95. 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. 2016 Jan 12. pii: 2048872615626355. [Epub ahead of print]
96. [2016 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure: The Task Force for the diagnosis and treatment of acute and chronic heart failure of the European](#)

[Society of Cardiology \(ESC\). Developed with the special contribution of the Heart Failure Association \(HFA\) of the ESC.](#)

Authors/Task Force Members; Document Reviewers. Eur J Heart Fail. 2016 May 20. doi: 10.1002/ejhf.592. [Epub ahead of print]

97. [2016 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure: The Task Force for the diagnosis and treatment of acute and chronic heart failure of the European Society of Cardiology \(ESC\) Developed with the special contribution of the Heart Failure Association \(HFA\) of the ESC.](#)

Ponikowski P, Voors AA, Anker SD, Bueno H, Cleland JG, Coats AJ, Falk V, González-Juanatey JR, Harjola VP, Jankowska EA, Jessup M, Linde C, Nihoyannopoulos P, Parissis JT, Pieske B, Riley JP, Rosano GM, Ruilope LM, Ruschitzka F, Rutten FH, van der Meer P; Authors/Task Force Members; Document Reviewers. Eur Heart J. 2016 May 20. pii: ehw128. [Epub ahead of print]

98. **Mueller C**, Patrono C, Roffi M. Background, fundamental concepts, and scientific evidence of the high-sensitivity cardiac troponin 0h/1h-algorithm for early rule-out or rule-in of acute myocardial infarction

Eur Heart J. 2016; in press. **Impact Factor 15.2.**

- 99.

## C) Other Publications (Editorials, Letter to Editor, Case Reports)

### Editorials

1. **Mueller C**. Prevention of contrast-induced nephropathy with volume supplementation. Kidney Int. 2006 Apr;69(S100):S16-S19  
Impact Factor **8.563**, Urology & Nephrology, Rank 2.
2. **Mueller Ch**. The use of B-type natriuretic peptides in coronary artery disease: utile or futile? J Am Coll Cardiol 2007;50:215-6.  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 3
3. **Mueller Ch**. BNP and the general practitioner: I'll be surprisingly good for you. J Am Coll Cardiol 2007;50:1702-3.  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 3
4. **Mueller C**. The use of B-type natriuretic peptides in the ICU. Crit Care Med 2007;35:2438-9.

Impact Factor **5.077**, Critical Care Medicine, Rank 2.

5. **Mueller C.** Acute respiratory failure: back to the roots!  
Intensive Care Med. 2008;34:787-9.  
Impact Factor **4.623**, Critical Care Medicine, Rank 3.
6. **Mueller C.** Risk stratification in acute heart failure: the role of cardiac troponin.  
Nature Clinical Practice Cardiovascular Medicine 2008;5:680-1.  
Impact Factor **4.743**, Cardiac & Cardiovascular Systems, Rank 8
7. Maisel A, **Mueller C.** European - North American B-type natriuretic peptide (BNP)  
Consensus group. Congest Heart Fail. 2008;14[4 suppl 1]:1-2.
8. Peacock WF, **Mueller C**, DiSomma S, Maisel A. Emergency department perspectives on  
B-type natriuretic peptide utility. Congest Heart Fail. 2008;14[4 suppl 1]:17-20.
9. McDonald K, Dahlström U, Aspromonte N, Jourdain P, Maisel A, **Mueller C**, Valle R. B-  
type natriuretic peptide: application in the community. Congest Heart Fail. 2008;14[4 suppl  
1]:12-16.
10. Farmakis D, Filippatos G, Tubaro M, Peacock WF, DiSomma S, **Mueller C**, Kremastinos  
DT, Maisel AS. Natriuretic peptides in acute coronary syndromes: prognostic value and  
clinical implications. Congest Heart Fail. 2008;14[4 suppl 1]:25-29.
11. **Mueller C.** Cost-Effectiveness of B-type natriuretic peptide testing. Congest Heart Fail.  
2008;14[4 suppl 1]:35-37.
12. **Mueller C.**, Maisel A, Mebazaa A, Filippatos GS. The use of B-type natriuretic peptides in  
the intensive care unit. Congest Heart Fail. 2008;14[4 suppl 1]:43-45.
13. Breidthardt T, Mebazaa A, **Mueller C.** Predicting progression in nondiabetic kidney  
disease: importance of cardiorenal interactions. Kidney Int 2009;75:253-5.  
Impact Factor **8.563**, Urology & Nephrology, Rank 2.
14. Socrates T, **Mueller C.** Natriuretic Peptides Find a New Home in Pulmonology!  
Respiration 2009.
15. Socrates T, Arenja N, **Mueller C.** Natriuretic Peptides in children: step by step. J Am Coll  
Cardiol 2009; Oct 6;54(15):1476-7.  
Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 3.
16. **Mueller C.** Dyspnoe.  
Therapeutische Umschau 2009;66:627-8.
17. Drexler B, **Mueller C.** Natriuretic peptide-guided therapy by the GP: how to interpret the  
SIGNAL. Eur J Heart Fail 2010;12:1265-7.  
Impact Factor **6.526**, Cardiac & Cardiovascular Systems, Rank 7.
18. **Mueller C.** Detection of myocardial infarction - Is it all troponin? Role of new biomarkers.  
Clin Chem 2012 Jan;58:162-4.  
Impact Factor **7.911**, Medical Laboratory technology, Rank 1.

19. **Mueller C.** D Auto-antibodies: diagnostic tools in acute myocardial infarction? J Intern Med 2011;Dec 28. doi: 10.1111/j.1365-2796.2011.02500 .  
Impact Factor **6.063**, Medicine, General & Internal, Rank 11
20. Jaffe AS, Apple FS, Lindahl B, **Mueller C**, Katus HA. Why all the struggle about CK-MB and PCI? Eur Heart J. 2012 Jan 11. [Epub ahead of print] No abstract available  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.
21. Peacock WF, Cullen L, Mueller C, Than M. Troponin testing: End of an era? Clin Biochem. 2013 Nov;46(16-17):1627-8.
22. **Mueller C**, Kavsak PA.  
[Sex-specific cutoffs for cardiac troponin using high-sensitivity assays - Is there clinical equipoise?](#)  
Clin Biochem. 2015 Aug;48(12):749-50.
23. Mueller C. Natriuretic peptides 2015. Eur Heart J CardioPulse 2015;36:2761.
- 24.

## Letter to the editor

1. **Mueller Christian**, Buettner Heinz J, Neumann Franz-Josef: Clopidogrel versus ticlopidine after the placement of coronary artery stents: Reply. J Am Coll Cardiol 2003;42:772-3. Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 3.
2. **Mueller Christian**, André P. Perruchoud. B-type natriuretic peptide in the evaluation of acute dyspnea: Reply. N Engl J Med 2004;350:2416-7. Impact Factor **54.4420**, Medicine, General & Internal, Rank 1.
3. **Mueller Ch.** Rapid measurement of B-type natriuretic peptides reduced time to discharge and treatment costs in patients with acute dyspnea. ACP Journal Club. 2005 Jan-Feb;142:A14.
4. **Mueller Ch.** Differing definitions of contrast-induced nephropathy. Swiss Med Wkly 2005;135:630. Impact Factor **2.086**, Medicine, General & Internal, Rank 32.
5. **Mueller Ch.** BNP and chest x-ray in acute dyspnoea. J Intern Med 2006;259:217. Impact Factor **3.250**, Medicine, General & Internal, Rank 12.
6. **Mueller C**, Laule-Kilian K, Christ M, Perruchoud AP. Cost-effectiveness of B-Type Natriuretic Peptide Testing in Patients with Acute Dyspnea. Archives of Internal Medicine 2006;166:2288. Impact Factor **10.639**, Medicine, General & Internal, Rank 6.
7. **Mueller C.** Comparison of the diagnostic accuracy of BNP and NT-proBNP in acute and chronic heart failure. Clin Chem 2007;53:1719-20. Impact Factor **7.911**, Medical Laboratory technology, Rank 1.
8. Reichlin T, **Mueller C.** Sensitive troponin assays. Reply. N Engl J Med 2009;361:2576. Impact Factor **54.4420**, Medicine, General & Internal, Rank 1.
9. Reichlin T, Twerenbold R, **Mueller C.** High-sensitivity cardiac troponin: hype, help and reality. Clin Chem 2010;56:1198-9. Impact Factor **7.911**, Medical Laboratory technology, Rank 1.
10. Irfan A, Zellweger MJ, **Mueller C.** "Universal definition" methodology and conclusions are a concern. J Am Coll Cardiol. 2011 Jul 12;58(3):313-4. Impact Factor **16.503**, Cardiac & Cardiovascular Systems, Rank 2.
11. Haaf P, Reichlin T, **Mueller C.** B-type Natriuretic Peptide in the Early Diagnosis and Risk Stratification of Acute Chest Pain. Am J Med 2011; in press. Impact Factor **5.003**, Medicine, General & Internal, Rank 10.
12. Haaf P, **Mueller C.** NT-proBNP in acute coronary syndrome: Is it really there yet?. Am J Med 2011;124:e13-14. Impact Factor **5.003**, Medicine, General & Internal, Rank 10.



13. Reichlin T, Irfan A, Twerenbold R, Reiter M, Hochholzer W, Crettol H, Bassetti S, Steuer S, Winkler K, Peter F, Meissner J, Haaf, P, Potocki, M, Drexler B, Osswald S, **Mueller C**. A single value of absolute change in cardiac troponin concentrations is a simple and clinically practical approach for the diagnosis of acute myocardial infarction. *Circulation* 2012.  
Impact Factor **14.43** Cardiac & Cardiovascular Systems, Rank 1.
14. **Mueller C**, Nowak A. Natriuretic peptides in CAP. Reply. *Chest* 2012;in press.  
Impact Factor **7.483**, Cardiac & Cardiovascular Systems, Rank 13
15. Twerenbold R, Reichlin T, **Mueller C**. High-sensitive troponin and exercise. Reply. *Eur Heart J* 2012; April 10th.  
Impact Factor **15.203**, Cardiac & Cardiovascular Systems, Rank 3.
16. Haaf P, Drexler B, Reichlin T, Twerenbold R, Reiter M, Meissner J, Schaub N, Stelzig C, Freese M, Heinzelmann A, Meune C, Balmelli C, Freidank H, Winkler K, Denhaerynck K, Hochholzer W, Osswald S, **Mueller C**.  
High Sensitivity Cardiac Troponin in the Distinction of Acute Myocardial Infarction from Acute Cardiac Non-Coronary Artery Disease. *Circulation* 2013 Jan 22;127(3):e355-6.  
Impact Factor **14.43** Cardiac & Cardiovascular Systems, Rank 1.
17. Reichlin T, **Mueller C**. [Testing times: we are still some way from getting the best out of sensitive troponin assays--reply](#). *JAMA Intern Med*. 2013 Mar 25;173(6):478. doi: 10.1001/jamainternmed.2013.2787  
Impact Factor **10.639**, Medicine, General & Internal, Rank 6.
18. Breidthardt T, **Mueller C**. Heart Failure: Central venous pressure cannot be estimated from edema presence or severity. *Am J Med* 2013; in press.  
Impact Factor **5.003**, Medicine, General & Internal, Rank 10.
19. Reichlin T, **Mueller C**. Unstable angina. Reply *Am J Med*. 2013 Sep;126(9):e11.
20. Meune C, Meune C, Balmelli C, Elianevogler, Twerenbold R, Reiter M, Reichlin T, Haaf P, Drexler B, Wildi K, Hoeller R, Gimenez MR, Moehring B, Zellweger C, Potocki M, **Mueller C**. Accuracy of very low concentration of cTn, below the 99th, for the diagnostic of acute myocardial infarction: Reply. *Int J Cardiology* 2013; 2013.11.134. [Epub ahead of print]
21. Rubini Gimenez M, Twerenbold R, **Mueller C**. Reply: SEX-SPECIFIC CHEST PAIN CHARACTERISTICS IN THE EARLY DIAGNOSIS OF ACUTE MYOCARDIAL INFARCTION  
*JAMA Internal Medicine* 2015; Apr;175(4):650. Impact factor 15
22. Levy P, Mueller C, Peacock WF. Is Addition of Vasodilators to Loop Diuretics of Value in the Care of Hospitalized Acute Heart Failure Patients? Real-World Evidence From a Retrospective Analysis of a Large United States Hospital Database"  
[Comment on "is addition of vasodilators to loop diuretics of value in the care of hospitalized acute heart failure patients? Real-world evidence from a retrospective analysis of a large United States hospital database"](#).  
*J Card Fail*. 2015 May;21(5):434-5. doi: 10.1016/j.cardfail.2015.03.004. Epub 2015 Apr 17.  
Impact factor 3
23. Kohzuharov N, Sabti Z, **Mueller C**. Nitrates in the treatment of heart failure with preserved ejection fraction. *N Engl J Med* 2016;374(16):1588-9. Impact factor 52

24. Boeddinghaus J, Twerenbold R, Nestelberger T, Wildi K, **Mueller C**. High-sensitivity cardiac troponin I at presentation in patients with suspected acute coronary syndrome: a cohort study. Lancet 2016; Vol 387 June 4, 2016, 2288. Impact factor 40
25. **Mueller C**, Giannitsis E, Lindahl B. TRAPID-AMI [In reply](#). Ann Emerg Med. 2016 Jun;67(6):794-5. doi: 10.1016/j.annemergmed.2016.02.037.

## Case reports

1. Pfister SA, **Mueller C**, Wiesner W: What is your diagnosis? Pulmonary edema in acute left heart failure.  
Schweiz Rundsch Med Prax 2003;92:265-70.
2. Gierthmühlen M, Laifer G, Viehl CT, Savic S, Bremerich J, **Mueller C**, Christ M. Keine gewöhnliche perianale Fistel.  
Internist 2008; 2063-6.

## Book Chapters:

1. Hauf G, **Müller Ch**, Roskamm H: Herzinsuffizienz. In Roskamm, Neumann, Bestehorn. Herzerkrankungen. Springer Verlag, 5. Auflage, 2004, 323-366.
2. **Mueller Ch**. Hydration. In Bartorelli AL and Marenzi G. Contrast-Agent-Induced Nephropathy. Martin Dunitz Ltd (Taylor & Francis Group), 2006, 97-105.
3. Reichlin T, **Mueller C**. Use of Natriuretic Peptides in the Emergency department and in the Intensive Care Unit. 2009 Yearbook of Intensive Care and Emergency Medicine.
4. Arenja N, Socrates T, **Mueller C**. Acute Dyspnoea. The ESC Textbook of Intensive and Acute Cardiac Care. Oxford University Press 2011. Chapter 7.
5. **Müller Ch**. (Herausgeber). Labordiagnostik bei kardialen Notfällen. UniMed Verlag, 2012.
6. **Müller Ch**, Haase M. Herz-Marker für akutes Koronarsyndrom und Herzinsuffizienz. UniMed Verlag, 2014.
7. **Mueller C**. Acute Dyspnoea. The ESC Textbook of Intensive and Acute Cardiac Care. Oxford University Press 2015. Chapter 9.
- 8.