

## PUBLIKATIONEN – PROF. DR. ANDREAS E. MAY

1. Kalbacher D, Schäfer U, V Bardeleben RS, Eggebrecht H, Sievert H, Nickenig G, Butter C, **May AE**, Bekeredjian R, Ouarrak T, Kuck KH, Plicht B, Zahn R, Baldus S, Ince H, Schillinger W, Boekstegers P, Senges J, Lubos E. Long-term outcome, survival and predictors of mortality after MitraClip therapy: Results from the German Transcatheter Mitral Valve Interventions (TRAMI) registry. *Int J Cardiol.* 2019; 277:35-41.
2. Kenn C, **May AE**. Ergometry - Step by Step. *Dtsch Med Wochenschr.* 2018; 143(17):1252-1257.
3. Zuern CS, Floss N, Mueller II, Eick C, Duckheim M, Patzelt J, Gawaz M, **May AE**, Mueller KAL. Galectin-3 is associated with left ventricular reverse remodeling and outcome after percutaneous mitral valve repair. *Int J Cardiol.* 2018; 263:104-110.
4. Wollert KC, Meyer GP, Müller-Ehmsen J, Tschöpe C, Bonarjee V, Larsen AI, **May AE**, Empen K, Chorianopoulos E, Tebbe U, Waltenberger J, Mahrholdt H, Ritter B, Pirr J, Fischer D, Korf-Klingebiel M, Arseniev L, Heuft HG, Brinchmann JE, Messinger D, Hertenstein B, Ganser A, Katus HA, Felix SB, Gawaz MP, Dickstein K, Schultheiss HP, Ladage D, Greulich S, Bauersachs J. Intracoronary autologous bone marrow cell transfer after myocardial infarction: the BOOST-2 randomised placebo-controlled clinical trial. *Eur Heart J.* 2017; 38(39):2936-2943
5. Siry M, **May AE**: Selbstexpandierende Koronarstents - Indikationen und Limitationen. *Der Kardiologe* 2017; 1
6. Alexaki VI, **May AE**, Fujii C, V et al.. S100A9 induces monocyte/ macrophage migration via EMMPRIN. *Thromb Haemost.* 2017;117(3):636-639.
7. Schueler R, Nickenig G, **May AE**, et al. Predictors for short-term outcomes of patients undergoing transcatheter mitral valve interventions: Analysis of 778 prospective patients from the German TRAMI registry focusing on baseline renal function. *EuroIntervention.* 2016;12(4): 508-14.
8. Seizer P, Fuchs C, Ungern-Sternberg SN, Heinzmann D, Langer H, Gawaz M, **May AE**, Geisler T. Platelet-bound cyclophilin A in patients with stable coronary artery disease and acute myocardial infarction. *Platelets.* 2016;27(2):155-8.
9. Scheffold N, Herkommer B, Kandolf R, **May AE**. Lyme carditis--diagnosis, treatment and prognosis. *Dtsch Arztebl Int.* 2015 Mar 20;112(12):202-8.
10. Zuern CS, Bauer A, Lubos E, Boekstegers P, Puls M, Bardeleben RS, Ouarrak T, Butter C, Eggebrecht H, Nickenig G, Zahn R, Senges J, **May AE**. Influence of non-cardiac comorbidities on outcome after percutaneous mitral valve repair: results from the German transcatheter mitral valve interventions (TRAMI) registry. *Clin Res Cardiol.* 2015 104(12):1044-53
11. Heinzmann D, Bangert A, Müller AM, von Ungern-Sternberg SN, Emschermann F, Schönberger T, Chatterjee M, Mack AF, Klingel K, Kandolf R, Malešević M, Borst O, Gawaz M, Langer HF, Katus H, Fischer G, **May AE**, Kaya Z, Seizer P. The Novel Extracellular Cyclophilin A (CyPA) - Inhibitor MM284 Reduces Myocardial Inflammation and Remodeling in a Mouse Model of Troponin I -Induced Myocarditis. *PLoS One.* 2015 10(4):e0124606
12. Sturhan H, Ungern-Sternberg SN, Langer H, Gawaz M, Geisler T, **May AE**, Seizer P. Regulation of EMMPRIN (CD147) on monocyte subsets in patients with symptomatic coronary artery disease. *Thromb Res.* 2015;135(6):1160-4.
13. Seizer P, Ungern-Sternberg SN, Schönberger T, Borst O, Münzer P, Schmidt EM, Mack AF, Heinzmann D, Chatterjee M, Langer H, Malešević M, Lang F, Gawaz M, Fischer G, **May AE**. Extracellular cyclophilin A activates platelets via EMMPRIN (CD147) and PI3K/Akt signaling, which promotes platelet adhesion and thrombus formation in vitro and in vivo. *Arterioscler Thromb Vasc Biol.* 2015; 35(3):655-63.

14. Wiebe J, Franke J, Lubos E, Boekstegers P, Schillinger W, Ouarrak T, **May AE**, Eggebrecht H, Kuck KH, Baldus S, Senges J, Sievert H; German Transcatheter Mitral Valve Interventions (TRAMI) Investigators. Percutaneous mitral valve repair with the MitraClip system according to the predicted risk by the logistic EuroSCORE: preliminary results from the German Transcatheter Mitral Valve Interventions (TRAMI) Registry. *Catheter Cardiovasc Interv.* 2014;84(4):591-8.
15. Eggebrecht H, Schelle S, Puls M, Plicht B, von Bardeleben RS, Butter C, **May AE**, Lubos E, Boekstegers P, Ouarrak T, Senges J, Schmermund A. Risk and outcomes of complications during and after MitraClip implantation: Experience in 828 patients from the German TRANscatheter mitral valve interventions (TRAMI) registry. *Catheter Cardiovasc Interv.* 2015 Oct;86(4):728-35.
16. Chatterjee M, Seizer P, Borst O, Schönberger T, Mack A, Geisler T, Langer HF, **May AE**, Vogel S, Lang F, Gawaz M. SDF-1 $\alpha$  induces differential trafficking of CXCR4-CXCR7 involving cyclophilin A, CXCR7 ubiquitination and promotes platelet survival. *FASEB J.* 2014 Jul;28(7):2864-78
17. Klumpp B, Miller S, Seeger A, **May AE**, Gawaz MP, Claussen CD, Kramer U. Is the diagnostic yield of myocardial stress perfusion MRI impaired by three-vessel coronary artery disease? *Acta Radiol.* 2015;56(2):143-51.
18. Münzer P, Borst O, Walker B, Schmid E, Feijge MA, Cosemans JM, Chatterjee M, Schmidt EM, Schmidt S, Towhid ST, Leibrock C, Elvers M, Schaller M, Seizer P, Ferlinz K, **May AE**, Gulbins E, Heemskerk JW, Gawaz M, Lang F. Acid sphingomyelinase regulates platelet cell membrane scrambling, secretion, and thrombus formation. *Arterioscler Thromb Vasc Biol.* 2014;34(1):61-71.
19. Chatterjee M, Seizer P, Borst O, Schönberger T, Mack A, Geisler T, Langer HF, **May AE**, Vogel S, Lang F, Gawaz M. SDF-1 $\alpha$  induces differential trafficking of CXCR4-CXCR7 involving cyclophilin A, CXCR7 ubiquitination and promotes platelet survival. *FASEB J.* 2014 28(7):2864-78.]
20. Wiebe J, Franke J, Lubos E, Boekstegers P, Schillinger W, Ouarrak T, **May AE**, Eggebrecht H, Kuck KH, Baldus S, Senges J, Sievert H; for the German Transcatheter Mitral Valve Interventions (TRAMI) Investigators. Percutaneous mitral valve repair with the mitraclip system according to the predicted risk by the logistic EuroSCORE: Preliminary results from the German Transcatheter Mitral Valve Interventions (TRAMI) registry. *Catheter Cardiovasc Interv.* 2014;84(4):591-8.
21. Krumm P, Zuern CS, Wurster TH, Mangold S, Klumpp BD, Henning A, Mueller II, Bretschneider C, Bauer A, Kramer U, **May AE**. Cardiac magnetic resonance imaging in patients undergoing percutaneous mitral valve repair with the MitraClip system. *Clin Res Cardiol.* 2014;103(5):397-404.
22. Klumpp B, Miller S, Seeger A, **May A**, Gawaz M, Claussen C, Kramer U. Is the diagnostic yield of myocardial stress perfusion MRI impaired by three-vessel coronary artery disease? *Acta Radiol.* 2015; 56(2):143-51.
23. Seizer P, Gawaz M, **May AE**. Cyclophilin A and EMMPRIN (CD147) in cardiovascular diseases. *Cardiovasc Res.* 2014;102(1):17-23.
24. **May AE**. Antiplatelet therapy after coronary stenting: for how long? *Lancet.* 2013. 382(9906):1684-5.
25. Seizer P, **May AE**. Platelets and matrix metalloproteinases. *Thromb Haemost.* 2013; 110(5):903-9
26. Kramer U, **May AE**, Mangold S, Krumm P, Claussen CD. Cardiac magnetic resonance tomography in the diagnostics of restrictive and unclassified cardiopathies. *Radiologe.* 2013;53(1):45-53.
27. Zuern CS, Krumm P, Wurster T, Kramer U, Schrieck J, Henning A, Bauer A, Gawaz M, **May AE**. Reverse left ventricular remodeling after percutaneous mitral valve repair: Strain analysis by speckle tracking echocardiography and cardiac magnetic resonance imaging. *Int J Cardiol.* 2013. S0167-5273(13)01343-0.
28. Klumpp B, Seeger A, Bretschneider C, Mangold S, Krumm P, Miller S, Claussen CD, Gawaz MP, **May AE**, Kramer U. Is myocardial stress perfusion MR-imaging suitable to predict the long term clinical outcome after revascularization? *Eur J Radiol.* 2013; 82(10):1776-82
29. Tolios A, Gatidis S, Münzer P, Liu G, Towhid ST, Karathanos A, Tavlaki E, Geisler T, Seizer P, **May AE**, Bigalke B, Borst O, Gawaz M, Lang F. Increased platelet Ca<sup>2+</sup> channel Orai1 expression upon

- platelet activation and in patients with acute myocardial infarction. *Thromb Haemost.* 2013 23;110(2). 386-9
30. Zuern CS, Müller KA, Seizer P, Geisler T, Banya W, Klingel K, Kandolf R, Bauer A, Gawaz M, **May AE**. Cyclophilin A predicts clinical outcome in patients with congestive heart failure undergoing endomyocardial biopsy. *Eur J Heart Fail.* 2013 ;15(2):176-84
31. Joghetaei N, Stein A, Byrne RA, Schulz C, King L, **May AE**, Schmidt R. The Extracellular Matrix Metalloproteinase Inducer (EMMPRIN, CD147) - a potential novel target in atherothrombosis prevention? *Thromb Res.* 2013;131(6):474-80.
32. Seizer P, Klingel K, Stickel J, Dorn C, Horger M, Kandolf R, Bigalke B, **May AE**, Gawaz M, Schreieck J. Left ventricular site-directed biopsy guided by left ventricular voltage mapping: A proof of principle. *Int J Cardiol.* 2013; 168(3):3113-4.
33. Seizer P, Zuern CS, Maier J, Kerst G, Weig HJ, Gansser L, Kramer U, **May AE**, Parade U, Bigalke B, Bauer A, Gawaz M, Geisler T, Schreieck J. Electrophysiological characterization of scars detected by contrast enhanced magnetic resonance imaging in patients with non-ischemic cardiomyopathy. *Int J Cardiol.* 2013;167(3):1070-2.
34. Borst O, Münzer P, Gatidis S, Schmidt EM, Schönberger T, Schmid E, Towhid ST, Stellos K, Seizer P, **May AE**, Lang F, Gawaz M. The inflammatory chemokine CXCL16 triggers platelet activation and adhesion via CXCR6-dependent PI3K/Akt signalling. *Circulation Research* 2012 ; 111(10):1297-307.
35. Elvers M, Herrmann A, Seizer P, Münzer P, Beck S, Schönberger T, Borst O, Martin-Romero FJ, Lang F, **May AE**, Gawaz M. Intracellular cyclophilin A is an important Ca<sup>2+</sup> regulator in platelets and critically involved in arterial thrombus formation. *Blood.* 2012 120(6):1317-26
36. Borst O, Schmidt EM, Münzer P, Schönberger T, Towhid ST, Elvers M, Leibrock C, Schmid E, Eylonstein A, Kuhl D, **May AE**, Gawaz M, Lang F. The serum- and glucocorticoid-inducible kinase 1 (SGK1) influences platelet calcium signaling and function by regulation of Orai1 expression in megakaryocytes. *Blood.* 2012 ;119(1):251-61.
37. Seizer P, Klingel K, Sauter M, Westermann D, Ochmann C, Schönberger T, Schleicher R, Stellos K, Schmidt EM, Borst O, Bigalke B, Kandolf R, Langer H, Gawaz M, **May AE**. Cyclophilin A affects inflammation, virus elimination and myocardial fibrosis in coxsackievirus B3-induced myocarditis. *J Mol Cell Cardiol.* 2012; 53(1):6-14
38. Wurster Th and **May AE**: Apixaban: A novel player in antiplatelet therapy? *Haemostaseologie* 2012 32(3):228-33
39. Kramer U, **May AE**, Mangold S, Krumm P, Claussen CD. Cardiac magnetic resonance tomography in the diagnostics of restrictive and unclassified cardiopathies.. *Radiologe.* 2013;53(1):45-53.
40. **May AE**: Kombinierte antithrombotische Therapie bei Patienten mit Vorhofflimmern und koronarer Stentimplantation. *Kardiologie up2date* 2012
41. Seizer P, **May AE**. Therapeutic Potential and Strategies against Leukocyte-Platelet Interaction in Atherosclerosis. *Curr Vasc Pharmacol.* 2012.
42. Seeger A, Hennemuth A, Klumpp B, Fenchel M, Kramer U, Bretschneider C, Mangold S, **May AE**, Claussen CD, Peitgen HO, Miller S. Fusion of MR coronary angiography and viability imaging: Feasibility and clinical value for the assignment of myocardial infarctions. *Eur J Radiol.* 2012;81(1):71-6
43. Zuern CS, Schreieck J, Weig HJ, Gawaz M, **May AE**. Percutaneous mitral valve repair using the MitraClip in acute cardiogenic shock. *Clin Res Cardiol.* 2011;100(8):719-21.
44. Bültmann A., Li Z, Wagner S, Gawaz M, Ungerer M, Langer H, **May AE**, Münch G. Loss of protease activity of ADAM15 abolishes protective effects on plaque progression in atherosclerosis. *Int J Cardiol* 2011; 152(3):382-5
45. T. Wurster, K. Stellos, T. Geisler, P. Seizer, M. E. Andi, A. Schuster, **May AE**, A. Melms, M. Gawaz and B. Bigalke. Expression of stromal-cell-derived factor-1 (SDF-1): a predictor of ischaemic stroke? *Eur J Neurol* 2012;19(3):395-401

46. Lutz S, Schmalzing M, Vogel-Claussen J, Adam P, **May AE**: Recurrent pericardial effusion as first manifestation of Erdheim-Chester disease. *Dtsch Med Wochenschr* 2011; 136(39):1952-6
47. Seizer P, Geisler T, Bigalke B, Schneider M, Klingel K, Kandolf R, Stellos K, Schreieck J, Gawaz M, **May AE**. EMMPRIN and its ligand Cyclophilin A as novel diagnostic markers in inflammatory cardiomyopathy. *Int J Cardiol*. 2011 100(8):719-21.
48. Seizer P., Ochmann C., Schönberger T., Zach S., Rose M, Borst O., Klingel K., Kandolf R., MacDonald HR, Nowak RA, Engelhardt S, Lang F, Gawaz M., and **May AE**. Disrupting the EMMPRIN-Cyclophilin A interaction reduces infarct size and preserves systolic function after myocardial ischemia and reperfusion. *Arterioscl Thromb Vasc Biol* 2011 31(6):1377-86.
49. Seizer P., Stellos K., Selhorst G., Krämer B.F., Lang M. R., Gawaz M. and **May AE**.. CXCL16 is a novel scavenger receptor on platelets and is associated with acute coronary syndrome. *Thromb Haemost* 2011; 105(6):1112-4.
50. Henning A., Schreieck J., Riessen R., Gawaz M., **May AE**: Successful bridge to recovery by using a microaxial blood pump in a patient with electrical storm and cardiogenic shock. *Med Klinik* 2011 106(2):132-6
51. Htun P, Fateh-Moghadam S, Bischofs C, Banya W, Müller K, Bigalke B, Stellos K, **May AE**, Flather M, Gawaz M, Geisler T. Low Responsiveness to Clopidogrel Increases Risk among CKD Patients Undergoing Coronary Intervention. *J Am Soc Nephrol*. 2011; 22(4):627-33
52. Bigalke B, Stellos K, Geisler T, Kremmer E, Seizer P, May AE, Lindemann S, Gawaz M. Glycoprotein VI for diagnosis of acute coronary syndrome when ECG is ambiguous. *Int J Cardiol*. 2011; 149(2):164-8
53. **May AE**. Mitral insufficiency: mitral valve clip. *Dtsch Med Wochenschr*. 2011 ;136(39):1964.
54. **May AE**, Geisler T., Gawaz M.: Antithrombotische Therapie der koronaren Herzerkrankung. *Kardiologie up2date* 2010; 6; 247-255;
55. Bauer A, **May AE**.: Verschluss des Herzohrs zur Schlaganfallprophylaxe. *Kardiologie up2date* 2010; 6; 241-244;
56. Müller K, Aichele S, Herkommer M, Bigalke B, Stellos K, Htun P, Fateh-Moghadam S, **May AE**, Flather M, Gawaz M, Geisler T. Impact of inflammatory markers on platelet inhibition and cardiovascular outcome including stent thrombosis in patients with symptomatic coronary artery disease. *Atherosclerosis*. 2010 ;213(1):256-62.
57. Geisler T, Mueller K, Aichele S, Bigalke B, Stellos K, Htun P, Ninci E, Fateh-Moghadam S, **May AE**, Gawaz M. Impact of inflammatory state and metabolic control on responsiveness to dual antiplatelet therapy in type 2 diabetics after PCI: prognostic relevance of residual platelet aggregability in diabetics undergoing coronary interventions. *Clin Res Cardiol*. 2010; 99(11):743-52.
58. Bigalke B, Geisler T, Hövelborn T, **May AE**, Gawaz M. Management of perioperative stent thrombosis in patients undergoing surgery. *Platelets*. 2010;21(7):578-82.
59. Geisler T, Mueller K, Aichele S, Bigalke B, Stellos K, Htun P, Ninci E, Fateh-Moghadam S, **May AE**, Gawaz M. Impact of inflammatory state and metabolic control on responsiveness to dual antiplatelet therapy in type 2 diabetics after PCI: prognostic relevance of residual platelet aggregability in diabetics undergoing coronary interventions. *Clin Res Cardiol*. 2010 99(11):743-52
60. Langer HF, von der Ruhr JW, Daub K, Schoenberger T, Stellos K, **May AE**, Schnell H, Gauss A, Hafner R, Lang P, Schumm M, Bühring HJ, Klingel K, Conrad S, Schaller M, van Zandvoort M, Jung G, Dimmeler S, Skutella T, Gawaz M. Capture of endothelial progenitor cells by a bispecific protein/monoclonal antibody molecule induces reendothelialization of vascular lesions. *J Mol Med*. 2010; 88(7):687-99.
61. Bigalke B, Stellos K, Geisler T, Kremmer E, Seizer P, **May AE**, Lindemann S, Melms A, Luft A, Gawaz M. Expression of platelet glycoprotein VI is associated with transient ischemic attack and stroke. *Eur J Neurol*. 2010 17(1):111-7.
62. Bigalke B, Stellos K, Geisler T, Lindemann S, **May AE**, Gawaz M. Glycoprotein VI as a prognostic biomarker for cardiovascular death in patients with symptomatic coronary artery disease. *Clin Res*

- Cardiol.* 2010;99(4):227-33.
63. Seizer P, Schönberger T, Schött M, R Lang M, Langer HF, Bigalke B, Krämer BF, Borst O, Daub K, Heidenreich O, Schmidt R, Lindemann S, Herouy Y, Gawaz M, **May AE**. EMMPRIN and its ligand cyclophilin A regulate MT1-MMP, MMP-9 and M-CSF during foam cell formation. *Atherosclerosis*. 2010;209(1):51-57
  64. Seizer P., Schiemann S. , Merz T., Daub K., Bigalke B., Stellos K., Müller I., Stöckle C., Müller K., Gawaz M., **May A.E.**. CD36 and Macrophage Scavenger Receptor A Modulate Foam Cell Formation via Inhibition of Lipid-Laden Platelet Phagocytosis. *Semin Thromb Hemost* 2010;36:157–162.
  65. **May AE**: Akutes Koronarsyndrom. In: *Hämostaseologie*; Springer-Verlag (eds.: Madlener, Pöttsch) 2010
  66. Zürn C, Langer H., **May AE**. Antiplatelet therapy in stable coronary artery disease. In: Blood Platelets- Clinical relevance; (ed.: M. Gawaz, 2010); 55-58
  67. Zürn C, **May AE**. Antithrombotic therapy in acute coronary syndrome. In: Blood Platelets- Clinical relevance; (ed.: M. Gawaz, 2010); 59-63
  68. **May AE**. Antiplatelet therapy and drug eluting stents. In: Blood Platelets- Clinical relevance; (ed.: M. Gawaz, 2010); 64-66
  69. **May AE**, Fateh-Moghadam S. Antiplatelet therapy in patients at risk for thrombembolism. In: Blood Platelets- Clinical relevance; (ed.: M. Gawaz, 2010); 67-71
  70. Zürn C, **May AE**. Perioperative management of patients requiring antiplatelet therapy. In: Blood Platelets-Clinical relevance; (ed.: M. Gawaz, 2010); 72-75
  71. Zürn C, **May AE**. Drug-drug interactions involving antiplatelet agents. In: Blood Platelets- Clinical relevance; (ed.: M. Gawaz, 2010); 76-86
  72. Herdeg C, Göhring-Frischholz K, Haase KK, Geisler T, Zürn C, Hartmann U, Wöhrle J, Nusser T, Dippon J, **May AE**, Gawaz M. Catheter-based delivery of fluid paclitaxel for prevention of restenosis in native coronary artery lesions after stent implantation. *Circulation Cardiovasc Interv.* 2009;2(4):294-301.
  73. Geisler T, Zürn C., Simonenko R., Rapin M., Kraibooj H., Kiliyas H., Bigalke B., Stellos K., Schwab M., **May A.E.**, Herdeg C., Gawaz M. Early but not late stent thrombosis is influenced by residual platelet aggregation in patients undergoing coronary interventions. *European Heart J.* 2010;31(1):59-66.
  74. Seizer P, Borst O, Langer HF, Bültmann A, Münch G, Herouy Y, Stellos K, Krämer B, Bigalke B, Büchele B, Bachem MG, Vestweber D, Simmet T, Gawaz M, **May AE.** EMMPRIN (CD147) is a novel receptor for platelet GPVI and mediates platelet rolling via GPVI-EMMPRIN interaction. *Thromb Haemost.* 2009;101(4):682-6.
  75. Geisler T., Seizer P., May A.E., Gawaz M. Stentthrombose – Bedeutung der Resistenz gegen Plättchenhemmer. *Der Bayerische Internist* 2009; 29; 1-9.
  76. Bigalke B, Stellos K, Stakos D, Joos T, Pötz O, Geisler T, Bischofs C, Kremmer E, Krämer BF, Seizer P, **May AE**, Lindemann S, Gawaz M. Influence of platelet count on the expression of platelet collagen receptor glycoprotein VI (GPVI) in patients with acute coronary syndrome. *Thromb Haemost.* 2009;101(5):911-5.
  77. Doesch C, Seeger A., Döhring J, Burgstahler C., Herdeg C., Lindemann St., Claussen C, Gawaz M., Miller St., May AE: Risk stratification by adenosine stress Cardiac magnetic resonance imaging in patients with coronary artery stenoses of intermediate angiographic severity. *JACC Cardiovascular Imaging* 2009, 2 (4); 424-433
  78. Langer HF, Stellos K, Steingen C, Froihofer A, Schönberger T, Bigalke B, May AE, Seizer P, Müller I, Gieseke F, Siegel-Axel D, Meuth SG, Schmidt A, Wendel HP, Müller I, Bloch W, Gawaz M. Platelet derived bFGF mediates vascular integrative mechanisms of mesenchymal stem cells in vitro. *J Mol Cell Cardiol.* 2009; 47(2):315-25.
  79. Bigalke B, Seizer P, Geisler T, Lindemann S, Gawaz M, **May AE**. Perioperative antiplatelet therapy in patients at risk for coronary stent thrombosis undergoing noncardiac surgery. *Clin Res Cardiol.*

- 2009;98(5):335-9.
80. Bigalke B, Stellos K, Weig HJ, Geisler T, Seizer P, Kremmer E, Pötz O, Joos T, **May AE**, Lindemann S, Gawaz M. Regulation of platelet glycoprotein VI (GPVI) surface expression and of soluble GPVI in patients with atrial fibrillation (AF) and acute coronary syndrome (ACS). *Basic Res Cardiol.* 2009 104(3):352-7
  81. Doesch C, Burgstahler C, Seeger A, Miller S, **May AE**. Chest pain and reversible midventricular ballooning in a woman after witnessing sudden cardiac death: a possible variant of takotsubo cardiomyopathy. *Can J Cardiol.* 2009;25(1):e22.
  82. Doesch C, Seeger A, Klumpp B, Hoevelborn T, Fenchel M., Kramer U, Claussen C, Gawaz M, Miller S, and **May AE**: Adenosine Stress Cardiac Magnetic Resonance Imaging in clinical routine practice; *Clin Res Cardiol.* 2008; 97(12):905-12
  83. Herdeg C, Göhring-Frischholz K, Helber U, Geisler T, **May A**, Haase KK, Gawaz M. Successful local antiproliferative paclitaxel delivery in a repeatedly restenosed lesion of the right coronary artery after drug eluting-stent implantation. *Clin Res Cardiol.* 2008;97(1):49-52.
  84. Seizer P, Krämer BF, Geisler T, Hövelborn T, Miller S, Gawaz M, **May AE**.. Antithrombotic triple therapy in a patient with multiple thrombi, subacute myocardial infarction and coronary stent implantation.. *Clin Res Cardiol.* 2008;;97(5):345-7.
  85. Geisler T, Zürn C, Paterok M, Göhring-Frischholz K, Bigalke B, Stellos K, Seizer P, Kraemer BF, Dippon J, **May AE**, Herdeg C, Gawaz M. Statins do not adversely affect post-interventional residual platelet aggregation and outcomes in patients undergoing coronary stenting treated by dual antiplatelet therapy. *Eur Heart J.* 2008;29(13):1635-43
  86. Bigalke B, Geisler T, Stellos K, Langer H, Daub K, Kremmer E, Seizer P, **May AE**, Lindemann S, Gawaz M. Platelet collagen receptor glycoprotein VI as a possible novel indicator for the acute coronary syndrome. *Am Heart J.* 2008 ;156(1):193-200.
  87. Schmidt R, A. Bültmann, S. Fischel, A. Gillitzer, P. Cullen, A. Walch, P. Jost, M. Ungerer, N.D. Tolley, S. Lindemann, M. Gawaz, A. Schömig and **May AE**.. EMMPRIN (CD147) is a novel receptor on platelets, activates platelets and augments NF-kB-dependent inflammation in monocytes. *Circulation Research* 2008; 102(3):302-9.
  88. Stellos K, Langer H, Daub K, Schoenberger T, Gauss A, Geisler T, Bigalke B, Mueller I, Schumm M, Schaefer I, Seizer P, Kraemer BF, Siegel-Axel D, **May AE**, Lindemann S, Gawaz M. Platelet-Derived Stromal Cell Derived Factor-1 Regulates Adhesion and Promotes Differentiation of Human CD34+ Cells to Endothelial Progenitor Cells. *Circulation* 2008 117(2):206-15.
  89. Seeger A, Grimm F, Fenchel M, Kramer U, Döring JS, Klumpp B, Scheule A, **May AE**, Claussen CD, Miller S.. Cardiac MRI in addition to MR angiography: a longitudinal study in vascular risk patients. *Rofo.* 2008;180(5):423-9
  90. Klumpp B, Hoevelborn T, Fenchel M, Stauder NI, Kramer U, **May A**, Gawaz MP, Claussen CD, Miller S. Magnetic resonance myocardial perfusion imaging-First experience at 3.0T. *Eur J Radiol.* 2009; 69(1):165-72
  91. Zürn CS, **May AE**. Nach koronarer Stentimplantation: Optimale individualisierte antithrombozytäre Therapie; *Pharmazie in unserer Zeit* 2009; 4; 2-5;
  92. **May AE**, Geisler T., M. Gawaz: Antithrombotic therapy after coronary stenting in cardiac risk patients. *Thromb Haemost.* 2008; 99(3):487-9
  93. Geisler T., Seizer P., **May A.E.**, Gawaz M. Stentthrombose – Bedeutung der Resistenz gegen Plättchenhemmer. *Herzmedizin* 2009; 1; 27-34.
  94. Herdeg C., K. Göhring-Frischholz, U. Helber, T. Geisler, **May A.**, K. K. Haase, M. Gawaz. Successful local antiproliferative paclitaxel delivery in a repeatedly restenosed lesion of the right coronary artery after drug eluting-stent implantation. *Clin Res Cardiol* 2007; 97:1–4
  95. Doesch C, **May AE**, Toncar-Pflumm G, Anders N, Geisler T, Kröber S, Kandolf R, Gawaz M. Acute thrombo-embolic elevated ST infarct in a patient with essential thrombocytosis. *Internist (Berl).*

- 2007;48(11):1282-9.
96. Herdeg C., Göhring-Frischholz K., Geisler T., **May A.**, Haase K.K., Gawaz M. Genie catheter for liquid local drug delivery. *EuroIntervention* 2007;3: 286-288
  97. Seeger A, Doesch C, Klumpp B, Kramer U, Fenchel M, Hoevelborn T, Gawaz M, Claussen CD, **May AE**, Miller S. MR Stress Perfusion for the Detection of Flow-Limiting Stenoses in Symptomatic Patients with Known Coronary Artery Disease and History of Stent Implantation. *Rofo*. 2007;179(10):1068-73.
  98. Doesch C, Kramer B, Geisler T, **May AE**, Kroeber SM, Kandolf R, Gawaz M. Challenges in the treatment of patients with essential thrombocythemia and acute coronary syndrome. *J Thromb Thrombolysis*. 2008; 25(2):193-7.
  99. **May AE**, P. Seizer, M. Gawaz. Platelets: Inflammatory Firebugs of Vascular Walls. *Arterioscl Thromb Vasc Biol*. 2008; 28(3):s5-10.
  100. Seizer P., Gawaz M., **May AE**. Platelet-monocyte interactions - a dangerous liaison linking thrombosis, inflammation and atherosclerosis. *Curr Med Chem*. 2008;15(20):1976-80.
  101. **May AE**, M. Gawaz: Antithrombotische Therapie nach "Drug-eluting Stents". *KardiologieUp2date* 2008;3; 207-213
  102. **May A.E.**, H. Langer, P. Seizer, B. Bigalke, S. Lindemann, M. Gawaz: Platelet-leukocyte interactions in Inflammation and Atherothrombosis. *Semin Thromb Hemost*. 2007;3:123-7.
  103. Celik S, Langer H., Stellos K., **May AE**, Shankar V., Kurz K., Katus H. A., Gawaz M. P., Dengler T. J.. Platelet-associated LIGHT (TNFSF14) mediates adhesion of platelets to human vascular endothelium. *Thromb Haemost* 2007; 98(4):798-805
  104. Langer HF, Daub K, Braun G, Schonberger T, **May AE**, Schaller M, Stein GM, Stellos K, Bueltmann A, Siegel-Axel D, Wendel HP, Aebert H, Roecken M, Seizer P, Santoso S, Wesselborg S, Brossart P, Gawaz M. Platelets recruit human dendritic cells via Mac-1/ JAM-C interaction and modulate dendritic cell function in vitro. *Arterioscler Thromb Vasc Biol*. 2007; 27(6):1463-70.
  105. Langer H, **May AE**, Vestweber D, Boer H, Hatzopoulos AK, Gawaz M. Platelet-Induced Differentiation of Endothelial Progenitor Cells. *Semin Thromb Hemost*. 2007;33(2):136-43.
  106. Geisler T, Anders N, Paterok M, Langer H, Stellos K, Lindemann S, Herdeg C, **May AE**, Gawaz M. Platelet response to clopidogrel is attenuated in diabetic patients undergoing coronary stent implantation. *Diabetes Care*. 2007;30(2):372-4.
  107. Bigalke B, Klingel K, **May AE**, Kandolf R, Gawaz M: Human herpesvirus 6 subtype A-associated myocarditis with apical ballooning. *Can J Cardiol*. 2007; 23(5):393-5.
  108. Daub K, Langer H, Seizer P, Stellos K, **May AE**, Goyal P, Bigalke B, Schonberger T, Geisler T, Siegel-Axel D, Oostendorp RA, Lindemann S, Gawaz M. Platelets induce differentiation of human CD34+ progenitor cells into foam cells and endothelial cells. *FASEB J*. 2006;20(14):2559-61;
  109. Geisler T, Langer H, Wydymus M, Gohring K, Zurn C, Bigalke B, Stellos K, **May AE**, Gawaz M. Low response to clopidogrel is associated with cardiovascular outcome after coronary stent implantation. *Eur Heart J*. 2006 ;27(20):2420-5.
  110. Bigalke B, Lindemann S, Ehlers R, Seizer P, Daub K, Langer H, Schonberger T, Kremmer E, Siegel-Axel D, **May AE**, Gawaz M. Expression of platelet collagen receptor glycoprotein VI is associated with acute coronary syndrome. *Eur Heart J*. 2006;27(18):2165-9.
  111. Bültmann A, Herdeg C, Li Z, Munch G, Baumgartner C, Langer H, Kremmer E, Geisler T, **May A**, Ungerer M, Gawaz M. Local delivery of soluble platelet collagen receptor glycoprotein VI inhibits thrombus formation in vivo. *Thromb Haemost*. 2006;95(5):763-6.
  112. Langer H, **May AE**, Daub K, Heinzmann U, Lang P, Schumm P, Vestweber D, Massberg S, Schönberger T, Pfisterer I, Hatzopoulos AK & Gawaz M. Adherent platelets recruit and induce differentiation of murine embryonic endothelial progenitor cells to mature endothelial cells *in vitro*. *Circulation Research*. 2006;98(2):289.
  113. R. Schmidt, V. Redecke, Y. Breitbart, N. Wantia, T. Miethke, S. Massberg, S. Fischel, F.-J. Neumann, A.

- Schömig, and **May AE**. EMMPRIN (CD 147) is a Central Activator of Extracellular Matrix Degradation by *Chlamydia pneumoniae*-infected Monocytes. Implications for plaque rupture. *Thrombosis & Haemostasis* 2006; 95:151-158
114. R. Schmidt, A. Bültmann, M. Ungerer, N. Joghetaei, Ö. Bülbül, S. Thieme, T. Chavakis, B.P. Toole, M. Gawaz, A. Schömig and **May AE**. EMMPRIN regulates MMP activity in cardiovascular cells. Implications in Acute Myocardial Infarction. *Circulation* 2006; 113:834-841
115. Gawaz M, Langer H, **May AE**. Platelets in inflammation and atherothrombosis. *J. Clin. Invest.* 2005; 115: 3378-3384
116. Chavakis T, Athanasopoulos A, Rhee JS, Orlova V, Schmidt-Woll T, Bierhaus A, **May AE**, Celik IP, Nawroth PP, Preissner KT. Angiostatin is a Novel Anti-inflammatory Factor by Inhibiting Leukocyte Recruitment. *Blood* 2005;105:1036-43.
117. Langer H, **May AE**, Bültmann A, Gawaz M: Die Matrixmetalloproteinase ADAM15 vermittelt die Adhäsion von Thrombozyten an Endothelzellen. In: Heinle H, Schulte , von Eckardstein A (eds). Stoffwechsel und Modifikation von Lipiden und Lipoproteinen. Deutsche Gesellschaft für Arterioskleroseforschung 2005, pp 204-211.
118. Langer H, **May AE**, Daub K, Vestweber D, Schönberger T, Hatzopoulos A, Gawaz M: Thrombozyten vermitteln die Adhäsion von endothelialen Progenitorzellen via PSGL-1 und  $\beta_1$ -Integrine. In: Heinle H, Schulte , von Eckardstein A (eds). Stoffwechsel und Modifikation von Lipiden und Lipoproteinen. Deutsche Gesellschaft für Arterioskleroseforschung 2005, pp 143-152.
119. **May AE**, Schmidt R, Bülbül BÖ, Hölderle M, Walther F, Schömig A, Gawaz M, Klouche M. Plasminogen and Matrix Metalloproteinase Activation by Enzymatically Modified LDL in Monocytes and Smooth Muscle Cells. *Thromb & Haemost* 2005; 93:710-715
120. Bigalke B, Klingel K, **May AE**, Beyer M, Hövelborn T, Kandolf R, Gawaz M. Serious clinical course of myocarditis with "apical ballooning": first presentation of pathogenicity of HHV6 subtype A in myocarditis. *Internist (Berl)*. 2005; 46(11):1259-1264.
121. Langer H, **May AE**, Bültmann A, Gawaz M: ADAM 15 is an adhesion receptor for platelet GPIIb-IIIa and induces platelet activation. *Thromb Haemost*. 2005;94(3):555-61.
122. Chavakis T, Athanasopoulos A, Rhee JS, Orlova V, Schmidt-Woll T, Bierhaus A, **May AE**, Celik IP, Nawroth PP, Preissner KT. Angiostatin is a Novel Anti-inflammatory Factor by Inhibiting Leukocyte Recruitment. *Blood* 2005;105:1036-43.
123. Zohlnhöfer D, Nührenberg TG, Neumann FJ, Richter T, **May AE**, Schmidt R, Denker K, Clauss MA, Schömig A, Baeuerle PA. Rapamycin effects transcriptional programs in smooth muscle cells controlling proliferative and inflammatory properties. *Mol Pharmacol*. 2004;65(4):880-9.
124. **May AE**, Redecke V, Gruner S, Schmidt R, Massberg S, Miethke T, Ryba B, Prazeres da Costa C, Schomig A, Neumann FJ. Recruitment of *Chlamydia pneumoniae*-infected macrophages to the carotid artery wall in noninfected, nonatherosclerotic mice. *ArteriosclerThrombVascBiol*. 2003;23(5):789-94.
125. Rhee JS, Santoso S, Herrmann M, Bierhaus A, Kanse SM, **May AE**, Nawroth PP, Colman RW, Preissner KT, Chavakis T. New aspects of integrin-mediated leukocyte adhesion in inflammation: regulation by haemostatic factors and bacterial products. *Curr Mol Med*. 2003; 3:387-92.
126. Chavakis T, Kanse SM, **May AE**, Preissner KT. Haemostatic factors occupy new territory: the role of the urokinase receptor system and kininogen in inflammation. *Biochem Soc Trans*. 2002;30:168-73.
127. **May AE**, T Kältsch, S Massberg, Y Herouy, R Schmidt, M Gawaz: Engagement of GPIIb/IIIa on platelets upregulates CD40L and triggers CD40L dependent matrix degradation by endothelial cells. *Circulation*. 2002;106:2111-7.
128. **May AE**, R. Schmidt, S.M. Kanse, T. Chavakis, RW Stephens, A Schömig, KT Preissner, F-J Neumann: Urokinase receptor surface expression regulates monocyte adhesion in acute myocardial infarction.

- Blood*. 2002;100(10):3611-7
129. Chavakis T, Kanse SM, Pixley RA, **May AE**, Isordia-Salas I, Colman RW, Preissner KT: Regulation of leukocyte recruitment by polypeptides derived from high molecular weight kininogen. *FASEB J* 2001;15:2365-76.
  130. Dickfeld T, Lengyel E, **May AE**, Massberg S, Brand K, Page S, Thielen C, Langenbrink K, Gawaz M. Transient interaction of activated platelets with endothelial cells induces expression of monocyte-chemoattractant protein-1 via a p38 mitogen-activated protein kinase mediated pathway. Implications for atherogenesis. *Cardiovasc Res*. 2001;49(1):189-99.
  131. Preissner KT, Kanse SM, **May AE**: Urokinase Receptor: A Molecular Organizer in Cellular Communication. *Curr Opin Cell Biol* 2000; 12: 621-628
  132. **May AE**, Neumann F-J, Schömig A, Preissner KT: VLA-4 ( $\alpha_4\beta_1$ ) Engagement Defines a Novel Activation Pathway for  $\beta_2$ -Integrin-dependent Leukocyte Adhesion involving the Urokinase Receptor. *Blood* 2000; 96: 506-513
  133. Klouche M, **May AE**, Hemmes M, Mebetaner M, Kanse SM, Preissner KT, Bhakdi S: Enzymatically Modified, Nonoxidized LDL Induces Selective Adhesion and Transmigration of Monocytes and T-Lymphocytes Through Human Endothelial Cell Monolayers. *Arterioscl. Thromb. Vasc. Biol*. 1999; 19(3):784-793
  134. **May AE**, Neumann F-J, Preissner KT: The relevance of blood cell-vessel wall interactions for vascular thrombotic disease. *Thromb Hemost* 1999; 82: 962-970
  135. Preissner KT, Kanse SM, Chavakis T, **May AE**: The Dual Role of the Urokinase Receptor System in Pericellular Proteolysis and Cell Adhesion: Implications for Cardiovascular Function. *Basic Res Cardiol* 1999; 94: 315-321
  136. Chavakis T, **May AE**, Preissner KT, Kanse SM: Molecular mechanisms of zinc dependent leukocyte adhesion involving urokinase receptor and  $\beta_2$ -integrins. *Blood* 1999; 93:2976-2983
  137. **May AE**, Kanse SM, Chavakis T, Preissner KT: Molecular interactions between the urokinase receptor and integrins in the vasculature. *Fibrinolysis & Proteolysis*. 1998; 12(4): 205-210
  138. Herouy Y, **May AE**, Pornschlegel G, Grenz H, Preissner KT, Norgauer J, Schöpf E, and Vanscheidt W: Lipodermatosclerosis is characterized by elevated matrix turnover due to the expression and activation of Matrix Metalloproteinase-2 (MMP-2). *J. Invest. Dermatol*. 1998; 111 (5): 822-827
  139. **May AE**, Kanse SM, Lund L, Gisler RH, Imhof BA, Preissner KT: Urokinase receptor (CD87) regulates leukocyte recruitment via  $\beta_2$ -integrins in vivo. *J. Exp. Med*. 1998; 188: 1029-1037
  140. Preissner KT, Kanse SM, Chavakis T, and **May AE**: The role of the urokinase receptor and integrins in vascular cell-cell and cell-matrix interactions: Implications for oncology. In *Onkologie und Hämostasesystem* (eds.: FR Matthias, H Rasche) 1998; 9-19
  141. Gawaz M, Neumann F-J, Ott I, **May A**, Rüdiger S, Schömig A: Role of activation-dependent platelet membrane glycoproteins in development of subacute occlusive coronary stent thrombosis. *Coronary Artery Disease* 1997;8:121-128
  142. Neumann F-J, Marx N, Gawaz M, Brand K, Ott I, Rokitta C, Sticherling C, Meinel C, **May A**, Schömig A: Induction of cytokine expression in leukocytes by binding of thrombin-stimulated platelets. *Circulation*. 1997; 95: 2387-2394
  143. **May AE**, Neumann F-J, Gawaz M, Ott I, Walter H, Schömig A: Reduction of monocyte-platelet-interaction and monocyte activation after coronary stent implantation in patients receiving antiplatelet therapy. *Eur. Heart J*. 1997; 18:1913-1920
  144. Herouy Y, **May AE**, Heistercamp T, Hartmann M, Augustin M, Schöpf E, and Vanscheidt W: Genexpression von Matrix Metalloproteinasen und deren Inhibitoren bei Dermatoliposklerose. *Phlebologie*. 1997; 26: 150-154
  145. Preissner KT, **May AE**, Wohn KD, Germer M, Kanse SM: Molecular crosstalk between adhesion receptors and proteolytic cascades in vascular remodeling. *Thromb. Haemost.* 1997; 78: 88-95
  146. Gawaz M, Neumann F-J, Ott I, **May A**, Rüdiger S, Schömig A: Changes in membrane glycoproteins of

- 
- circulating platelets following coronary stent implantation. *Heart* 1996;96:166-172
- 147.** Neumann F-J, Gawaz M, Ott I, **May A**, Mößmer G, Schömig A: Prospective evaluation of hemostatic predictors of subacute stent thrombosis after coronary Palmaz-Schatz stenting. *J Am Coll Card* 1996;27:15-21
- 148.** Gawaz M, Neumann F-J, Ott I, **May A**, Schömig A: Platelet activation and coronary stent implantation. Effect of antithrombotic therapy. *Circulation*. 1996;94:279-285