

List of publications, Paul Erne

Original publications

- 1: Young M, Cuculi F, Erne P. PTCA with drug-coated balloons is associated with immediate decrease of coronary flow reserve. *Catheter Cardiovasc Interv.* 2013 Jan 29. doi:10.1002/ccd.23502.
- 2: Sürder D, Pedrazzini G, Gaemperli O, Biaggi P, Felix C, Rufibach K, Maur CA, Jeger R, Buser P, Kaufmann BA, Moccetti M, Hürlimann D, Bühler I, Bettex D, Scherman J, Pasotti E, Faletra FF, Zuber M, Moccetti T, Lüscher TF, Erne P, Grünenfelder J, Corti R. Predictors for efficacy of percutaneous mitral valve repair using the MitraClip system: the results of the MitraSwiss registry. *Heart.* 2013 Jan 23.
- 3: Kobza R, Schoenenberger AW, Erne P. Effects of right ventricular pacing on left ventricular ejection fraction in a pacemaker clinic. *Acta Cardiol.* 2012 Oct;67(5):577-82.
- 4: Lauten A, Engström AE, Jung C, Empen K, Erne P, Cook S, Windecker S, Bergmann MW, Klingenberg R, Lüscher TF, Haude M, Rulands D, Butter C, Ullman B, Hellgren L, Modena MG, Pedrazzini G, Henriques JP, Figulla HR, Ferrari M. Percutaneous Left-Ventricular Support With the Impella-2.5-Assist Device in Acute Cardiogenic Shock: Results of the Impella-EUROSHOCK-Registry. *Circ Heart Fail.* 2013 Jan;6(1):23-30. doi: 10.1161/CIRCHEARTFAILURE.112.967224. Epub 2012 Dec 4
- 5: Guessous I, Dudler V, Glatz N, Theler JM, Zoller O, Paccaud F, Burnier M, Bochud M; Swiss Survey on Salt Group. Vitamin D levels and associated factors: a population-based study in Switzerland. *Swiss Med Wkly.* 2012 Nov 26;142:0. doi:10.4414/smw.2012.13719.
- 6: Toggweiler S, Odermatt Y, Brauchlin A, Zander T, Müller A, Zuber M, Winterhalder R, Erne P. The Clinical Value of Echocardiography and Acoustic Cardiography to Monitor Patients Undergoing Anthracycline Chemotherapy. *ClinCardiol.* 2012 Nov 14. doi: 10.1002/clc.22074.
- 7: Schwartz GG, Olsson AG, Abt M, Ballantyne CM, Barter PJ, Brumm J, Chaitman BR, Holme IM, Kallend D, Leiter LA, Leitersdorf E, McMurray JJ, Mundl H, Nicholls SJ, Shah PK, Tardif JC, Wright RS; dal-OUTCOMES Investigators. Effects of dalcetrapib in patients with a recent acute coronary syndrome. *N Engl J Med.* 2012 Nov 29;367(22):2089-99. doi: 10.1056/NEJMoa1206797. Epub 2012 Nov 5.
- 8: Beeler R, Cuculi F, Young M, Erne P. Sequential use of bare-metal stents and drug-coated balloons to treat coronary artery stenosis. *J Invasive Cardiol.* 2012 Nov;24(11):555-9.
- 9: Kobza R, Cuculi F, Abächerli R, Toggweiler S, Suter Y, Frey F, Schmid JJ, Erne P. Twelve-lead electrocardiography in the young: physiologic and pathologic abnormalities. *Heart Rhythm.* 2012 Dec;9(12):2018-22. doi:10.1016/j.hrthm.2012.08.034.
- 10: Gassensmith JJ, Erne PM, Paxton WF, Frasconi M, Donakowski MD, Stoddart JF. Patterned assembly of quantum dots onto surfaces modified with click microcontact printing. *Adv Mater.* 2013 Jan 11;25(2):223-6. doi: 10.1002/adma.201202606.
- 11: Cuculi F, Kobza R, Bergner M, Erne P. Usefulness of aspiration of pulmonary emboli and prolonged local thrombolysis to treat pulmonary embolism. *Am J Cardiol.* 2012 Dec 15;110(12):1841-5. doi: 10.1016/j.amjcard.2012.07.047.
- 12: Jamshidi P, Kobza R, Toggweiler S, Arand P, Zuber M, Erne P. Impact of preload changes on positive and negative left ventricular dP/dt and systolic time intervals: preload changes on left ventricular function. *Indian Heart J.* 2012 May-Jun;64(3):314-8. doi: 10.1016/S0019-4832(12)60095-9.

- 13: Kyriakakis E, Maslova K, Philippova M, Pfaff D, Joshi MB, Buechner SA, Erne P, Resink TJ. T-Cadherin is an auxiliary negative regulator of EGFR pathway activity in cutaneous squamous cell carcinoma: impact on cell motility. *J Invest Dermatol.* 2012 Sep;132(9):2275-85. doi: 10.1038/jid.2012.131.
- 14: Stauffer JC, Goy JJ, Duvoisin N, Radovanovic D, Rickli H, Erne P; AMIS group. Dramatic effect of early clopidogrel administration in reducing mortality and MACE rates in ACS patients. Data from the Swiss registry AMIS-Plus. *Swiss Med Wkly.* 2012 May 9;142:w13573. doi: 10.4414/smw.2012.13573.
- 15: Dillier R, Baumann M, Young M, Erne S, Schwizer B, Zuber M, Erne P. Continuous respiratory monitoring for sleep apnea screening by ambulatory hemodynamic monitor. *World J Cardiol.* 2012 Apr 26;4(4):121-7. doi:10.4330/wjc.v4.i4.121.
- 16: Erne P, Gutzwiller F, Urban P, Maggiorini M, Keller PF, Radovanovic D. Characteristics and Outcome in Acute Coronary Syndrome Patients with and without Established Modifiable Cardiovascular Risk Factors: Insights from the Nationwide AMIS Plus Registry 1997-2010. *Cardiology.* 2012 Apr 27;121(4):228-236.
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- 18: Schoenenberger AW, Urbanek N, Bergner M, Toggweiler S, Resink TJ, Erne P. Associations of reactive hyperemia index and intravascular ultrasound-assessed coronary plaque morphology in patients with coronary artery disease. *Am J Cardiol.* 2012 Jun 15;109(12):1711-6. doi: 10.1016/j.amjcard.2012.02.011
- 19: Schoenenberger AW, Urbanek N, Toggweiler S, Seelos R, Jamshidi P, Resink TJ, Erne P. Deviation from Murray's law is associated with a higher degree of calcification in coronary bifurcations. *Atherosclerosis.* 2012 Mar;221(1):124-30. doi: 10.1016/j.atherosclerosis.2011.12.040.
- 20: Schoenenberger AW, Felber S, Gujer S, Moser A, Jamshidi P, Stuck AE, Erne P. Invasive findings in patients with angina equivalent symptoms but no coronary artery disease; Results from the heart quest cohort study. *Int J Cardiol.* 2012 Jan 10.
- 21: Philippova M, Joshi MB, Pfaff D, Kyriakakis E, Maslova K, Erne P, Resink TJ. T-cadherin attenuates insulin-dependent signalling, eNOS activation, and angiogenesis in vascular endothelial cells. *Cardiovasc Res.* 2012 Mar 1;93(3):498-507. doi: 10.1093/cvr/cvs004.
- 22: Brunner-La Rocca HP, Rickenbacher P, Muzzarelli S, Schindler R, Maeder MT, Jeker U, Kiowski W, Leventhal ME, Pfister O, Osswald S, Pfisterer ME, Rickli H; TIME-CHF Investigators. End-of-life preferences of elderly patients with chronic heart failure. *Eur Heart J.* 2012 Mar;33(6):752-9. doi: 10.1093/eurheartj/ehr404. Epub 2011 Nov 8.
- 23: Schoenenberger AW, Schoenenberger-Berzins R, der Maur CA, Suter PM, Vergopoulos A, Erne P. Thiamine supplementation in symptomatic chronic heart failure: a randomized, double-blind, placebo-controlled, cross-over pilot study. *Clin Res Cardiol.* 2012 Mar;101(3):159-64. doi: 10.1007/s00392-011-0376-2.
- 24: Bähler C, Gutzwiller F, Erne P, Radovanovic D. Lower age at first myocardial infarction in female compared to male smokers. *Eur J Prev Cardiol.* 2012 Oct;19(5):1184-93. doi: 10.1177/1741826711422764. Epub 2011 Sep 19.
- 25: Kyriakakis E, Cavallari M, Pfaff D, Fabbro D, Mestan J, Philippova M, De Libero G, Erne P, Resink TJ. IL-8-mediated angiogenic responses of endothelial cells to lipid antigen activation of iNKT cells depend on EGFR transactivation. *J Leukoc Biol.* 2011 Nov;90(5):929-39. doi: 10.1189/jlb.0211097. Epub 2011 Aug 1.

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- 27: Pedrazzini GB, Radovanovic D, Vassalli G, Sürder D, Moccetti T, Eberli F, Urban P, Windecker S, Rickli H, Erne P; AMIS Plus Investigators. Primary percutaneous coronary intervention for unprotected left main disease in patients with acute ST-segment elevation myocardial infarction the AMIS (Acute Myocardial Infarction in Switzerland) plus registry experience. *JACC Cardiovasc Interv.* 2011 Jun;4(6):627-33. doi: 10.1016/j.jcin.2011.04.004.
- 28: Bonetti PO, Trachsel LD, Kuhn MU, Schulzki T, Erne P, Radovanovic D, Reinhart WH. Incidence of acute myocardial infarction after implementation of a public smoking ban in Graubünden, Switzerland: two year follow-up. *Swiss Med Wkly.* 2011 May 27;141:w13206. doi: 10.4414/smw.2011.13206.
- 29: Dillier R, Zuber M, Arand P, Erne S, Erne P. Assessment of systolic and diastolic function in asymptomatic subjects using ambulatory monitoring with acoustic cardiography. *Clin Cardiol.* 2011 Jun;34(6):384-8. doi: 10.1002/clc.20891. Epub 2011 Apr 27.
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- 32: Dillier R, Zuber M, Arand P, Erne S, Erne P. Assessment of systolic and diastolic function in heart failure using ambulatory monitoring with acoustic cardiography. *Ann Med.* 2011 Aug;43(5):403-11. doi: 10.3109/07853890.2010.550309. Epub 2011 Mar 2.
- 33: Toggweiler S, Schoenenberger A, Urbanek N, Erne P. The prevalence of endothelial dysfunction in patients with and without coronary artery disease. *Clin Cardiol.* 2010 Dec;33(12):746-52. doi: 10.1002/clc.20836.
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- 35: Zuber M, Erne P. Acoustic cardiography to improve detection of coronary artery disease with stress testing. *World J Cardiol.* 2010 May 26;2(5):118-24. doi: 10.4330/wjc.v2.i5.118.
- 36: Kaiser C, Galatius S, Erne P, Eberli F, Alber H, Rickli H, Pedrazzini G, Hornig B, Bertel O, Bonetti P, De Servi S, Brunner-La Rocca HP, Ricard I, Pfisterer M; BASKET-PROVE Study Group. Drug-eluting versus bare-metal stents in large coronary arteries. *N Engl J Med.* 2010 Dec 9;363(24):2310-9. doi: 10.1056/NEJMoa1009406. Epub 2010 Nov 16.
- 37: Kyriakakis E, Cavallari M, Andert J, Philippova M, Koella C, Bochkov V, Erne P, Wilson SB, Mori L, Biedermann BC, Resink TJ, De Libero G. Invariant natural killer T cells: linking inflammation and neovascularization in human atherosclerosis. *Eur J Immunol.* 2010 Nov;40(11):3268-79. doi: 10.1002/eji.201040619. Epub 2010 Oct 27.
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- 39: *CURRENT-OASIS 7 Investigators, Mehta SR, Bassand JP, Chrolavicius S, Diaz R, Eikelboom JW, Fox KA, Granger CB, Jolly S, Joyner CD, Rupprecht HJ, Widimsky P, Afzal R, Pogue J, Yusuf S. Dose comparisons of clopidogrel and aspirin in acute coronary syndromes. N Engl J Med. 2010 Sep 2;363(10):930-42. doi: 10.1056/NEJMoa0909475. Erratum in: N Engl J Med. 2010 Oct 14;363(16):1585.*
- 40: François SJ, Erne P, Urban P, Maggiorini M, Seifert B, Gutzwiller F, Radovanovic D; AMIS Plus Investigators. Impact of a normal or non-specific admission ECG on the treatment and early outcome of patients with myocardial infarction in Swiss hospitals between 2003 and 2008. *Swiss Med Wkly.* 2010 Aug 24;140:w13078. doi: 10.4414/smw.2010.13078.
- 41: Toggweiler S, Urbanek N, Schoenenberger AW, Erne P. Analysis of coronary bifurcations by intravascular ultrasound and virtual histology. *Atherosclerosis.* 2010 Oct;212(2):524-7. doi: 10.1016/j.atherosclerosis.2010.06.045. Epub 2010 Jul 7.
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- 43: Zuber M, Roos M, Kobza R, Toggweiler S, Meier R, Erne P. Detection and hemodynamic significance of cardiac pacemaker-induced phrenic nerve stimulation. *Congest Heart Fail.* 2010 Jul-Aug;16(4):147-52. doi: 10.1111/j.1751-7133.2010.00157.x.
- 44: Sürder D, Schwitter J, Moccetti T, Astori G, Rufibach K, Plein S, Lo Cicero V, Soncin S, Windecker S, Moschovitis A, Wahl A, Erne P, Jamshidi P, Auf der Maur C, Manka R, Soldati G, Bühler I, Wyss C, Landmesser U, Lüscher TF, Corti R. Cell-based therapy for myocardial repair in patients with acute myocardial infarction: rationale and study design of the SWiss multicenter Intracoronary Stem cells Study in Acute Myocardial Infarction (SWISS-AMI). *Am Heart J.* 2010 Jul;160(1):58-64. doi: 10.1016/j.ahj.2010.03.039.
- 45: Philippova M, Suter Y, Toggweiler S, Schoenenberger AW, Joshi MB, Kyriakakis E, Erne P, Resink TJ. T-cadherin is present on endothelial microparticles and is elevated in plasma in early atherosclerosis. *Eur Heart J.* 2011 Mar;32(6):760-71. doi: 10.1093/eurheartj/ehq206. Epub 2010 Jun 28.
- 46: Gupta AK, Joshi MB, Philippova M, Erne P, Hasler P, Hahn S, Resink TJ. Activated endothelial cells induce neutrophil extracellular traps and are susceptible to NETosis-mediated cell death. *FEBS Lett.* 2010 Jul 16;584(14):3193-7. doi: 10.1016/j.febslet.2010.06.006. Epub 2010 Jun 10.
- 47: Radovanovic D, Erne P. AMIS Plus: Swiss registry of acute coronary syndrome. *Heart.* 2010 Jun;96(12):917-21. doi: 10.1136/hrt.2009.192302.
- 48: Collins SP, Kontos MC, Michaels AD, Zuber M, Kipfer P, Attenhofer Jost C, Roos M, Jamshidi P, Erne P, Lindsell CJ. Utility of a bedside acoustic cardiographic model to predict elevated left ventricular filling pressure. *Emerg Med J.* 2010 Sep;27(9):677-82. doi: 10.1136/emj.2009.080150. Epub 2010 Jun 1.
- 49: Schoenenberger AW, Jamshidi P, Kobza R, Zuber M, Stuck AE, Pfisterer M, Erne P. Progression of coronary artery disease during long-term follow-up of the Swiss Interventional Study on Silent Ischemia Type II (SWISSI II). *Clin Cardiol.* 2010 May;33(5):289-95. doi: 10.1002/clc.20775.
- 50: Kobza R, Steffel J, Erne P, Schoenenberger AW, Hürlimann D, Lüscher TF, Jenni R, Duru F. Implantable cardioverter-defibrillator and cardiac resynchronization therapy in patients with left ventricular noncompaction. *Heart Rhythm.* 2010 Nov;7(11):1545-9. doi: 10.1016/j.hrthm.2010.05.025. Epub 2010 May 21.
- 51: Kyriakakis E, Philippova M, Joshi MB, Pfaff D, Bochkov V, Afonyushkin T, Erne P, Resink TJ. T-cadherin attenuates the PERK branch of the unfolded protein response and protects vascular

endothelial cells from endoplasmic reticulum stress-induced apoptosis. *Cell Signal*. 2010 Sep;22(9):1308-16. doi: 10.1016/j.cellsig.2010.04.008. Epub 2010 May 8.

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