

# Publications

## Department of Cardiology, Lund University 2008

### Original Scientific Publications

1. Amisten S, Braun OO, Bengtsson A, Erlinge D. Gene expression profiling for the identification of G-protein coupled receptors in human platelets. *Thromb Res.* 2008;122(1):47-57. Epub 2007 Oct 24.
2. Amisten S, Braun OO, Johansson L, Ridderstråle M, Melander O, Erlinge D. The P2Y 13 Met-158-Thr polymorphism, which is in linkage disequilibrium with the P2Y 12 locus, is not associated with acute myocardial infarction. *PLoS ONE.* 2008 Jan 23;3(1):e1462.
3. Beautiful Study Group, Ferrari R, Ford I, Fox K, Steg PG, Tendera M. The BEAUTIFUL study: randomized trial of ivabradine in patients with stable coronary artery disease and left ventricular systolic dysfunction - baseline characteristics of the study population. *Cardiology.* 2008;110(4):271-82.
4. Bengtsson E, Nilsson J, Jovinge S. Cystatin C and cathepsins in cardiovascular disease. *Front Biosci.* 2008 May 1;13:5780-6. Review.
5. Bollmann A, Tveit A, Husser D, Stridh M, Sörnmo L, Smith P, Olsson SB. Fibrillatory rate response to candesartan in persistent atrial fibrillation. *Europace.* 2008 Oct;10(10):1138-44. Epub 2008 Jul 28.
6. Bonnemeier H, Olivecrona G, Simonis G, Götzberg M, Weitz G, Iblher P, Gerling I, Schunkert H. Automated continuous chest compression for in-hospital cardiopulmonary resuscitation of patients with pulseless electrical activity: A report of five cases. *Int J Cardiol.* 2008 Aug 6. [Epub ahead of print]
7. Braun OO, Johnell M, Varenhorst C, James S, Brandt JT, Jakubowski JA, Winters KJ, Wallentin L, Erlinge D, Siegbahn A. Greater reduction of platelet activation markers and platelet-monocyte aggregates by prasugrel compared to clopidogrel in stable coronary artery disease. *Thromb Haemost.* 2008 Oct;100(4):626-33.
8. Braun OO, Slotta JE, Menger MD, Erlinge D, Thorlacius H. Primary and secondary capture of platelets onto inflamed femoral artery endothelium is dependent on P-selectin and PSGL-1. *Eur J Pharmacol.* 2008 Sep 11;592(1-3):128-32. Epub 2008 Jul 4.
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10. Erlinge D, Burnstock G. P2 receptors in cardiovascular regulation and disease. *Purinergic Signal.* 2008 Mar;4(1):1-20. Epub 2007 Sep 21.
11. Erlinge D, Varenhorst C, Braun OO, James S, Winters KJ, Jakubowski JA, Brandt JT, Sugidachi A, Siegbahn A, Wallentin L. Patients with poor responsiveness to thienopyridine treatment or with diabetes have lower levels of circulating active metabolite, but their platelets respond normally to active metabolite added ex vivo. *J Am Coll Cardiol.* 2008 Dec 9;52(24):1968-77.
12. Fox K, Ford I, Steg PG, Tendera M, Ferrari R; BEAUTIFUL Investigators. Ivabradine for patients with stable coronary artery disease and left-ventricular systolic dysfunction (BEAUTIFUL): a randomised, double-blind, placebo-controlled trial. *Lancet.* 2008 Sep 6;372(9641):807-16. Epub 2008 Aug 29.
13. Gjesdal K, Feyzi J, Olsson SB. Digitalis: a dangerous drug in atrial fibrillation? An analysis of the SPORTIF III and V data. *Heart.* 2008 Feb;94(2):191-6. Epub 2007 May 4.
14. Gonçalves I, Ares MP, Moberg A, Moses J, To F, Montan J, Pedro LM, Dias N, Fernandes E, Fernandes J, Fredrikson GN, Nilsson J, Jovinge S, Bengtsson E. Elastin- and collagen-rich human carotid plaques have increased levels of the cysteine protease inhibitor cystatin C. *J Vasc Res.* 2008;45(5):395-401. Epub 2008 Mar 28.
15. Götzberg M, Olivecrona GK, Engblom H, Ugander M, van der Pals J, Heiberg E, Arheden H, Erlinge D. Rapid short-duration hypothermia with cold saline and endovascular cooling before reperfusion reduces microvascular obstruction and myocardial infarct size. *BMC Cardiovasc Disord.* 2008 Apr 10;8:7.
16. Härdig BM, Carlson J, Roijer A. Changes in clot lysis levels of reteplase and streptokinase following continuous wave ultrasound exposure, at ultrasound intensities following attenuation from the skull bone. *BMC Cardiovasc Disord.* 2008 Aug 26;8:19.
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18. Hertervig E, Kongstad O, Ljungstrom E, Olsson B, Yuan S. Pulmonary vein potentials in patients with and without atrial fibrillation. *Europace.* 2008 Jun;10(6):692-7. Epub 2008 Apr 17.

19. Holmqvist F, Husser D, Tapanainen JM, Carlson J, Jurkko R, Xia Y, Havmøller R, Kongstad O, Toivonen L, Olsson SB, Platonov PG. Interatrial conduction can be accurately determined using standard 12-lead electrocardiography: validation of P-wave morphology using electroanatomic mapping in man. *Heart Rhythm*. 2008 Mar;5(3):413-8. Epub 2007 Dec 23.
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21. Holmqvist F. Non-invasive assessment of atrial electrophysiology: a vital part of the medical work-up in the setting of atrial arrhythmia. *Cardiol J*. 2008;15(2):97-9.
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25. Nozohoor S, Nilsson J, Lührs C, Roijer A, Sjögren J. Influence of prosthesis-patient mismatch on diastolic heart failure after aortic valve replacement. *Ann Thorac Surg*. 2008 Apr;85(4):1310-7.
26. Nygren JM, Liuba K, Breitbach M, Stott S, Thorén L, Roell W, Geisen C, Sasse P, Kirik D, Björklund A, Nerlov C, Fleischmann BK, Jovinge S, Jacobsen SE. Myeloid and lymphoid contribution to non-haematopoietic lineages through irradiation-induced heterotypic cell fusion. *Nat Cell Biol*. 2008 May;10(5):584-92. Epub 2008 Apr 20.
27. Ostenfeld E, Shahgaldi K, Winter R, Willenheimer R, Holm J. Comparison of different views with three-dimensional echocardiography: apical views offer superior visualization compared with parasternal and subcostal views. *Clin Physiol Funct Imaging*. 2008 Nov;28(6):409-16. Epub 2008 Aug 7.
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31. Platonov PG, Ivanov V, Ho SY, Mitrofanova L. Left atrial posterior wall thickness in patients with and without atrial fibrillation: data from 298 consecutive autopsies. *J Cardiovasc Electrophysiol*. 2008 Jul;19(7):689-92. Epub 2008 Feb 13.
32. Platonov PG, Mitrofanova L, Ivanov V, Ho SY. Substrates for intra-atrial and interatrial conduction in the atrial septum: anatomical study on 84 human hearts. *Heart Rhythm*. 2008 Aug;5(8):1189-95. Epub 2008 May 3.
33. Platonov PG. Atrial conduction and atrial fibrillation: what can we learn from surface ECG? *Cardiol J*. 2008;15(5):402-7. Review.
34. Rådegran G. Exercise limb blood flow response to acute and chronic hypoxia in Danish lowlanders and Aymara natives. *Acta Physiol (Oxf)*. 2008 Apr;192(4):531-9. Epub 2007 Oct 31.
35. Rossebø AB, Pedersen TR, Boman K, Brudi P, Chambers JB, Egstrup K, Gerds E, Gohlke-Bärwolf C, Holme I, Kesäniemi YA, Malbecq W, Nienaber CA, Ray S, Skjaerpe T, Wachtell K, Willenheimer R; SEAS Investigators. Intensive lipid lowering with simvastatin and ezetimibe in aortic stenosis. *N Engl J Med*. 2008 Sep 25;359(13):1343-56. Epub 2008 Sep 2.
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37. Thilén U, Carlson J, Platonov PG, Olsson SB. Atrial myocardial pathoelectrophysiology in adults with a secundum atrial septal defect is unaffected by closure of the defect. A study using high resolution signal-averaged orthogonal P-wave technique. *Int J Cardiol*. 2008 Jan 31. [Epub ahead of print]
38. Tolhurst G, Carter RN, Amisten S, Holdich JP, Erlinge D, Mahaut-Smith MP. Expression profiling and electrophysiological studies suggest a major role for Orai1 in the store-operated Ca<sup>2+</sup> influx pathway of platelets and megakaryocytes. *Platelets*. 2008 Jun;19(4):308-13.

39. Torp-Pedersen C, Køber L, Carlsen JE, Akkan D, Bruun NE, Dacoronias D, Dickstein K, Haghfelt T, Ohlin H, McMurray JJ. A randomised trial of a pre-synaptic stimulator of DA(2)-dopaminergic and alpha(2)-adrenergic receptors on morbidity and mortality in patients with heart failure. *Eur J Heart Fail.* 2008 Jan;10(1):89-95. Epub 2007 Dec 27.
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41. Wallentin L, Varenhorst C, James S, Erlinge D, Braun OO, Jakubowski JA, Sugidachi A, Winters KJ, Siegbahn A. Prasugrel achieves greater and faster P2Y12receptor-mediated platelet inhibition than clopidogrel due to more efficient generation of its active metabolite in aspirin-treated patients with coronary artery disease. *Eur Heart J.* 2008 Jan;29(1):21-30. Epub 2007 Nov 30
42. Wierup P, Egeblad H, Lyager Nielsen S, Schersten H, Kimblad PO, Bech-Hansen O, Roijer A, Nilsson F, McCarthy PM, Bouchard D, Jacobsen J, Paaske Johnsen S, Hvitfeldt Poulsen S, Mølgaard H. Moderate mitral regurgitation in patients undergoing CABG - the MoMIC trial. *Scand Cardiovasc J.* 2008 Oct 10:1-7. [Epub ahead of print]
43. Wierup P, Nielsen SL, Egeblad H, Schersten H, Kimblad PO, Bech-Hansen O, Roijer A, Nilsson F, Nielsen PH, Poulsen SH, Mølgaard H. The prevalence of moderate mitral regurgitation in patients undergoing CABG. *Scand Cardiovasc J.* 2008 Oct 17:1-4. [Epub ahead of print]

## Ph.D. Thesis and Books

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## Abstracts

1. Dobre M, Roijer A, Meurling C, Gyllstedt E, Nilsson J, Dobre C. Which operation to what type of atrial fibrillation. 16<sup>th</sup> World Congress in Cardiac Electrophysiology and Cardiac Techniques, Nice, France, June 18-21, 2008. *Europace* 2008 (Suppl 1);10: i122
2. Havmöller R, Carlson J, Holmqvist F, Olsson SB, Platonov PG. P-wave morphology in healthy shows little change over time. *Scandinavian Cardiovascular Journal.* 2008;42;23 Supplement 56.
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4. Holmqvist F, Carlson J, Tapanainen J, Platonov PG. What is the best ECG approximation of the end of atrial depolarisation? *Scandinavian Cardiovascular Journal.* 2008;42;19 Supplement 56.
5. Holmqvist F, Husser D, Jurkko R, Carlson J, Tapanainen JM, Toivonen L, Olsson SB, Platonov PG. Interatrial conduction can be accurately determined using a standard 12-lead ECG - Validation of P wave morphology using electroanatomical mapping in human. *Heart Rhythm.*2008;5(5S):S296.
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9. Moberg K, Thilén U, Holm J. Cardiovascular events in Marfan syndrome. Follow-up and treatment in 152 patients. *Scand Cardiovasc J* 2008;56 (supplement): 67. X:e Svenska Kardiovaskulära vårmötet, Malmö, Sverige 08 04 23-25.
10. Paulsson K, Thilén U. Less than 8% prevalence of Hepatitis C infection after cardiac surgery for congenital heart disease when performed before blood donor screening. Risk seems lower than earlier reported. *Scand Cardiovasc J* 2008;56 (supplement): 113. X:e Svenska Kardiovaskulära vårmötet, Malmö, Sverige 08 04 23-25.

11. Platonov P, Lim KT, Carlson J, Nault I, Knecht S, Matsuo S, Wright M, Lellouche N, Derval N, Hocini M, Jaïs P, Sacher F, Holmqvist F, Clémenty J, Haïssaguerre. M. Validation of non-invasive assessment of atrial fibrillatory cycle length in precordial leads in patients with persistent atrial fibrillation. *Scandinavian Cardiovascular Journal*. 2008;42;20 Supplement 56.
12. Platonov PG, Sanders P, Shashidar, Brooks A, Holmqvist F, Carlson J. Novel monitoring technique reveals change of preferential conduction patterns in the left atrium during ablation of persistent atrial fibrillation. *Scandinavian Cardiovascular Journal*. 2008;42;19 Supplement 56.

### **Miscellaneous**

Ekmechag, Björn. Pulmonell arteriell hypertension – Var står vi idag? *Blodtrycket* 2008;24 (4):133-137.