

Publications

Department of Cardiology, Lund University 2007

Original Scientific Publications

- Amisten S, Braun OO, Bengtsson A, Erlinge D. Gene expression profiling for the identification of G-protein coupled receptors in human platelets. *Thromb Res.* 2007 Oct 5; [Epub ahead of print]
- Amisten S, Melander O, Wihlborg AK, Berglund G, Erlinge D. Increased risk of acute myocardial infarction and elevated levels of C-reactive protein in carriers of the Thr-87 variant of the ATP receptor P2Y11. *Eur Heart J.* 2007 Jan;28(1):13-8. Epub 2006 Nov 29.
- Andersson SI, Pesonen E, Ohlin H. Perspectives that lay persons with and without health problems show toward coronary heart disease: An integrated biopsychosocial approach. *Heart Lung.* 2007 Sep-Oct;36(5):330-8.
- Bollmann A, Husser D, Stridh M, Holmqvist F, Roijer A, Meurling CJ, Sörnmo L, Olsson SB. Atrial fibrillatory rate and risk of left atrial thrombus in atrial fibrillation. *Europace* 2007;9:621-626. Epub 2007 Jun 29
- Braun OÖ, Amisten S, Wihlborg AK, Hunting K, Nilsson D, Erlinge D. Residual platelet ADP reactivity after clopidogrel treatment is dependent on activation of both the unblocked P2Y1 and the P2Y12 receptor and is correlated with protein expression of P2Y12. *Purinergic Signalling.* 2007;3(3):195-201
- Carlson J, Holmqvist F, Olsson SB, Platonov PG. Non-Invasive Assessment of Direction of Right Atrial Activation during Atrial Fibrillation Using Correlation Function Analysis. *Computers in Cardiology* 2007;34:277-280.
- Chew M, Bergenzaun L, Ersson A, Ohlin H. Tissue Doppler in critical illness. *Crit Care.* 2007 Dec 4;11(6):424 [Epub ahead of print] No abstract available.
- Ford GA, Choy AM, Deedwania P, Karalis DG, Lindholm CJ, Pluta W, Frison L, Olsson SB; SPORTIF III, V Investigators. Direct thrombin inhibition and stroke prevention in elderly patients with atrial fibrillation: experience from the SPORTIF III and V Trials. *Stroke.* 2007 Nov;38(11):2965-71. Epub 2007 Sep 20.
- Fuster V, Rydén LE, Cannom DS, Crijns HJ, Curtis AB, Ellenbogen KA, Halperin JL, Le Heuzey JY, Kay GN, Lowe JE, Olsson SB, Prystowsky EN, Tamargo JL, Wann S, Priori SG, Blanc JJ, Budaj A, Camm AJ, Dean V, Deckers JW, Despres C, Dickstein K, Lekakis J, McGregor K, Metra M, Morais J, Osterspey A, Zamorano JL, Smith SC Jr, Jacobs AK, Adams CD, Anderson JL, Antman EM, Hunt SA, Nishimura R, Ornato JP, Page RL, Riegel B; American College of Cardiology; American Heart Association; European Society of Cardiology. [ACC/AHA/ESC 2006 guidelines for the management of patients with atrial fibrillation--executive summary] *Rev Port Cardiol.* 2007 Apr;26(4):383-446. Portuguese. No abstract available.
- Gjesdal K, Feyzi J, Olsson SB. Digitalis - a dangerous drug in atrial fibrillation? An analysis of the SPORTIF III and V data. *Heart.* 2007 May 4; [Epub ahead of print]
- Havmöller R, Carlson J, Holmqvist F, Herreros A, Meurling CJ, Olsson B, Platonov P. Age-related changes in P wave morphology in healthy subjects. *BMC Cardiovascular Disorders* 2007;7:22
- Hedström E, Aström-Olsson K, Ohlin H, Frogner F, Carlsson M, Billgren T, Jovinge S, Cain P, Wagner GS, Arheden H. Peak CKMB and cTnT accurately estimates myocardial infarct size after reperfusion. *Scand Cardiovasc J.* 2007 Jan;41(1):44-50.
- Heiberg E, Ugander M, Engblom H, Götberg M, Olivecrona GK, Erlinge D, Arheden H. Automated Quantification of Myocardial Infarction from MR Images by Accounting for Partial Volume Effects:: Animal, Phantom, and Human Study. *Radiology.* 2007 Nov 30; [Epub ahead of print]
- Herreros A, Baeyens E, Peran JR, Johansson R, Carlson J, Olsson B. An algorithm for phase-space detection of the p characteristic points. *Conf Proc IEEE Eng Med Biol Soc.* 2007;1:2004-2007.

- Holmqvist F, Platonov PG, Carlson J, Havmöller R, Waktare JE, McKenna WJ, Olsson SB, Meurling CJ. Variable interatrial conduction illustrated in a hypertrophic cardiomyopathy population. *Ann Noninvasive Electrocardiol* 2007;12:227-236
- Holmqvist F, Platonov PG, Havmöller R, Carlson J. Signal-averaged P wave analysis for delineation of interatrial conduction - Further validation of the method. *BMC Cardiovasc Disord.* 2007 Oct 9;7(1):29
- Husser D, Cannom DS, Bhandari AK, Stridh M, Sörnmo L, Olsson SB, Bollmann A. Electrocardiographic characteristics of fibrillatory waves in new-onset atrial fibrillation. *Europace.* 2007 Aug;9(8):638-42. Epub 2007 Apr 30.
- Husser D, Stridh M, Cannom DS, Bhandari AK, Girsky MJ, Kang S, Sörnmo L, Olsson SB, Bollmann A. Validation and clinical application of time-frequency analysis of atrial fibrillation electrocardiograms. *The Journal of Cardiovascular Electrophysiology.* 2007;18:41-46.
- Husser D, Stridh M, Sörnmo L, Toepffer I, Klein HU, Bertil Olsson S, Bollmann A.. Electroatriography - Time-Frequency Analysis of Atrial Fibrillation From Modified 12-Lead ECG Configurations for Improved Diagnosis and Therapy. *Medical Hypotheses* 2007; 68:568-573. (Epub ahead of print Oct 2006).
- Husser O, Husser D, Stridh M, Sörnmo L, Corino VD, Mainardi LT, Lombardi F, Klein HU, Olsson SB, Bollmann A. Exercise testing for non-invasive assessment of atrial electrophysiological properties in patients with persistent atrial fibrillation. *Europace.* 2007 Aug;9(8):627-632. Epub 2007 Jun 26.
- Jin Y, Stewénus Y, Lindgren D, Frigyesi A, Calcagnile O, Jonson T, Edqvist A, Larsson N, Lundberg LM, Chebil G, Liedberg F, Gudjonsson S, Månsson W, Höglund M, Gisselsson D. Distinct mitotic segregation errors mediate chromosomal instability in aggressive urothelial cancers. *Clin Cancer Res.* 2007 Mar 15;13(6):1703-12
- Kirchhof P, Auricchio A, Bax J, Crijns H, Camm J, Diener HC, Goette A, Hindricks G, Hohnloser S, Kappenberger L, Kuck KH, Lip GY, Olsson B, Meinertz T, Priori S, Ravens U, Steinbeck G, Svernhage E, Tijssen J, Vincent A, Breithardt G. Outcome parameters for trials in atrial fibrillation: executive summary: Recommendations from a consensus conference organized by the German Atrial Fibrillation Competence NETwork (AFNET) and the European Heart Rhythm Association (EHRA). *Eur Heart J.* 2007 Nov;28(22):2803-2817. Epub 2007 Sep 25.
- Kirchhof P, Auricchio A, Bax J, Crijns H, Camm J, Diener HC, Goette A, Hindricks G, Hohnloser S, Kappenberger L, Kuck KH, Lip GY, Olsson B, Meinertz T, Priori S, Ravens U, Steinbeck G, Svernhage E, Tijssen J, Vincent A, Breithardt G. Outcome parameters for trials in atrial fibrillation: Recommendations from a consensus conference organized by the German Atrial Fibrillation Competence NETwork and the European Heart Rhythm Association. *Europace.* 2007 Nov;9(11):1006-1023. Epub 2007 Sep 25.
- Koul B, Al-Rashidi F, Bhat M, Meurling C. How-to-do-it. A modified Ross operation to present pulmonary autogaft dilatation. *Eur J Cardio-thoracic Surgery* 2007;31:127-128.
- Larsson DA, Meurling CJ, Holmqvist F, Waktare JE, Thilen UJ. The diagnostic and prognostic value of brain natriuretic peptides in adults with a systemic morphologically right ventricle or Fontan-type circulation. Epub 2006 Jun 13. *Int J Cardiol.* 2007 Jan 18;114(3):345-351.
- Nieuwlaat R, Olsson SB, Lip GY, Camm AJ, Breithardt G, Capucci A, Meeder JG, Prins MH, Lévy S, Crijns HJ; Euro Heart Survey Investigators. Guideline-adherent antithrombotic treatment is associated with improved outcomes compared with undertreatment in high-risk patients with atrial fibrillation. The Euro Heart Survey on Atrial Fibrillation. *Am Heart J.* 2007 Jun;153(6):1006-1012.
- Nozohoor S, Nilsson J, Lührs C, Roijer A, Sjögren J. The influence of patient-prosthesis mismatch on in-hospital complications and early mortality after aortic valve replacement. *J Heart Valve Dis;* 2007;5:475-482.
- Olivecrona GK, Götberg M, Harnek J, Jacobson KA, Jern S, Erlinge D. The ADP receptor P2Y(1) mediates t-PA release in pigs during cardiac ischemia. *J Thromb Thrombolysis.* 2007 Oct;24(2):115-22. Epub 2007 Feb 10.
- Olivecrona GK, Götberg M, Harnek J, Van der Pals J, Erlinge D. Mild hypothermia reduces cardiac post-ischemic reactive hyperemia. *BMC Cardiovasc Disord.* 2007 Feb 26;7:5.

- Padeletti L, Santini M, Botto G, Boriani G, Ricci R, Spampinato A, Vergara G, Pensabene O, Rahue WG, Capucci A, Gulizia M, Pieragnoli P, Grammatico A, Platonov P, Barold S. Duration of P wave is associated with atrial fibrillation hospitalizations in patients paced for bradycardia. *Pacing Clin Electrophysiol* 2007;30(8):961-969
- Platonov PG. Interatrial conduction in the mechanisms of atrial fibrillation: from anatomy to cardiac signals and new treatment modalities. *Europace* 2007;9:vi10-16
- Rådegran G. Exercise limb blood flow response to acute and chronic hypoxia in Danish lowlanders and Aymara natives. *Acta Physiol (Oxf)*. 2007 Oct 31; [Epub ahead of print]
- Stewénus Y, Jin Y, Øra I, de Kraker J, Bras J, Frigyesi A, Alumets J, Sandstedt B, Meeker AK, Gisselsson D. Defective chromosome segregation and telomere dysfunction in aggressive Wilms' tumors. *Clin Cancer Res*. 2007 Nov 15;13(22 Pt 1):6593-602
- Thilén U, Carlson J, Platonov PG, Havmöller R, Olsson SB. Prolonged P wave duration in adults with secundum atrial septal defect: a marker of delayed conduction rather than increased atrial size? *Europace*. 2007 Nov;9 Suppl 6:vi105-vi108.
- Xia Y, Yuan S. In vivo validation of the T-peak to T-end interval: Implications for genesis of the T wave (Editorial). *Heart Rhythm* 2007;4:349-350
- Åström-Olsson K, Hedström E, Hultén LM, Wiklund O, Arheden S, Ohlin AK, Gottsäter A, Ohlin H. Dissociation of the Inflammatory Reaction following PCI for Acute Myocardial Infarction. *J Invasive Cardiol*. 2007 Nov;19(11):452-6.

Ph.D. Theses and Books

- Amisten, Stefan. Genetic studies on cardiovascular disease – identification of novel drug targets. KFS AB, Lund. ISSN: 1652-8220. ISBN: 978-91-85897-19-3.
- Braun, Oscar. Experimental and clinical studies on platelet receptors in cardiovascular disease. KFS AB, Lund. ISBN: 978-91-85897-15-5. ISSN 1652-8220.
- Holmqvist, Fredrik. Characterisation of atrial electrophysiology with respect to atrial fibrillation. A non-invasive approach. KFS I Lund AB, Lund. ISBN: 978-91-85559-30-5. ISSN: 1652-8220
- Olivecrona, Göran. Coronary Reactive Hyperemia. KFS AB, Lund. ISSN: 1652-8220. ISBN: 978-91-85559-53-4.
- Tingberg, Erik. Nitrates and left ventricular dysfunction. KFS AB i Lund, Lund 2007. ISSN 1652-8220, ISBN 91-85559-75-X
- Xia, Yunlong. Global sequence and dispersion of ventricular repolarization: In vivo validation of non-invasive parameters using monophasic action potential mapping technique. KFS AB, Lund. ISBN: 978-91-85559-74-9. ISSN: 1652-8220.

Abstracts

- Lau D.H., Shashidhar, Platonov P.G., Carlson J., Brooks A., Stiles M.K., John B., Dimitri H., Wilson L., Mackenzie L., Young G.D., Sanders P. Monitoring of coronary sinus activity by spectral analysis of the surface ECG during catheter ablation of atrial fibrillation. *Heart, Lung and Circulation* 2007;16:S109.
- Platonov PG, Ivanov V, Ho SY, Mitrofanova LB. Left atrial posterior wall thickness in patients with and without atrial fibrillation. *Eur Heart J* 2007;28(Abstract Supplement):802.
- Platonov PG, Shashidhar, Sanders P, Tapanainen JM, Holmqvist F, Carlson J. Preferential Conduction Patterns Along Coronary Sinus During Atrial Fibrillation in Humans. *Heart Rhythm* 2007;4(5S):S185
- Tapanainen J, Koskinen R, Husser D, Holmqvist F, Toivonen L, Platonov P. Interatrial impulse propagation in patients with paroxysmal atrial fibrillation. *International Journal of Cardiology. Int J Cardiology*. 119: S24-S25 Suppl. S Jun 2007.

- Tapanainen J, Koskinen R, Husser D, Holmqvist F, Toivonen L, Platonov P. Interatrial impulse propagation in patients with paroxysmal atrial fibrillation. *Int J Card* 2007;119(Suppl.):S24-S25.
- Tapanainen J, Koskinen R, Husser D, Holmqvist F, Toivonen L, Platonov P. Right-to-left conduction patterns in patients with paroxysmal atrial fibrillation. *Eur Heart J* 2007;28(Suppl.):804-805.
- Thilén U, Carlson J, Platonov P, Olsson B. 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. Abstract-poster. *Scand Cardiovasc J* 2007;55 (supplement): 40. Sv Cardiologföreningens vårmöte 2007 04 25 - 27, Göteborg, Sweden.
- Thilén U, Paulsson K. High prevalence of Hepatitis C after cardiac surgery for congenital heart disease when performed before blood donor screening. Abstract-poster. *Scand Cardiovasc J* 2007;55 (supplement): 39. Sv Cardiologföreningens vårmöte 2007 04 25 - 27, Göteborg, Sweden.
- Xia Y, Kongstad O, Platonov P, Holm M, Olsson B, Yuan S. In vivo assessment of Tpeak to tend interval as an index of global dispersion of ventricular repolarization during right and left ventricular pacing: a monophasic action potential mapping in swine. *Eur Heart J* 2007;28 (Abstract Supplement):29.
- Xia Y, Kongstad O, Platonov PG, Holm M, Olsson SB, Yuan S. Localization of the increased ventricular repolarization gradients during left ventricular epicardial pacing: In vivo monophasic action potential mapping in swine. *Heart Rhythm* 2007; 4(5S):S194.

Miscellaneous

- Med ostindiefararen GÖTHEBORG till Kina. Moderna fältskärer på historisk seglats. Eds: S Bertil Olsson och Robert Sinclair. HB ABO Trading förlag, 2007. ISBN 978-91-633-1136-9
- S Bertil Olsson. Från då till nu. Sjukdomar, sjukvård och skeppsläkare på de gamla ostindiefararna. I "Med ostindiefararen GÖTHEBORG till Kina. Moderna fältskärer på historisk seglats". Eds: S Bertil Olsson och Robert Sinclair. HB ABO Trading förlag, 2007:31-46. ISBN 978-91-633-1136-9.
- S Bertil Olsson. Från Kapstaden till Fremantle. En fjärdedel av jordens omkrets. I "Med ostindiefararen GÖTHEBORG till Kina. Moderna fältskärer på historisk seglats". Eds: S Bertil Olsson och Robert Sinclair. HB ABO Trading förlag, 2007:85-116. ISBN 978-91-633-1136-9.
- S Bertil Olsson. Ett hjärtligt tack. I: Vägen hit – källor till kunskap och utveckling. Tankar och betraktelser av emeriti 2007. Medicinska fakulteten, Lunds universitet. Informationsenheten, Lunds universitet. Upplaga: 200 ex. Tryck: Media-Tryck, 2007. 2007:38-47
(<http://www.med.lu.se/content/download/21581/156801/file/emeritiprofessorer%2007.pdf>)

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