

## Publication list

### 1. Original research papers

#### 1.1 Published

1. **Platonov P.G.**, Hertervig E., Kongstad O., Yuan S., Fåhraeus T., Olsson S.B. Intraatrial conduction defects in a patient with lone paroxysmal atrial fibrillation / flutter. *Cardiac Electrophysiology Monitor* 1998; 1(3): 99-101.
2. **Platonov P.G.**, **Carlson J.**, Ingemansson M.P., Roijer A., Hansson A., Chireikin L.V., Olsson S.B. Detection of inter-atrial conduction defects with unfiltered signal-averaged P-wave ECG in patients with lone atrial fibrillation. *Europace* 2000; 2: 32-41.
3. **Platonov P.G.**, Yuan S., Hertervig E., Kongstad O., Vygovsky A.B., Chireikin L.V., Olsson S.B. Further evidence of localised posterior interatrial conduction delay in lone paroxysmal atrial fibrillation. *Europace* 2001; 3(2):100-107.
4. **Platonov P.G.**, Yuan S., Hertervig E., Kongstad O., Chireikin L.V., Olsson S.B. Localisation of the initial fibrillatory cycle in patients with paroxysmal atrial fibrillation. *Scan Cardiovasc J* 2001; 35(4):270-279.
5. Ingemansson M.P., Carlson J., **Platonov P.**, Olsson S.B. Effects of MgSO<sub>4</sub> and Glucose, Insulin and Potassium (GIK) on Atrial Conduction during the First 12 Hours after DC-conversion of Chronic Atrial Fibrillation. *Scan Cardiovasc J* 2001; 35 (5): 340 - 346
6. **Platonov P.G.**, Mitrofanova L.B., Chireikin L.V., Olsson S.B. Morphology of inter-atrial conductive routes in patients with atrial fibrillation. *Europace* 2002;4: 183-192.
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10. Carlson J., Santos S., **Platonov P.G.**, Kongstad Rasmussen O., Johansson R., Olsson S.B. Left atrial conduction along the coronary sinus during ectopic atrial tachycardia and atrial fibrillation – a study using correlation function analysis. *J Cardiovasc Electrophysiol* 2003; 14:S148-S153.
11. **Platonov P.G.**, Escandon R., Varshavsky S. Recruitment rates and data quality: are they linked to each other? *Applied Clinical Trials* 2003;12(11):32-34.
12. Lindholm C-J.A., Fredholm O., Möller S.-J., Edvardsson N., Kronvall T., Pettersson T., Firsovaite V., Roijer A., Meurling C., **Platonov P.G.**, Olsson S.B. Sinus rhythm maintenance following DC-cardioversion of atrial fibrillation is not improved by temporary pre-cardioversion treatment with oral verapamil. *Heart* 2004;90:534-538.

13. Xia Y., Hertervig E., Kongstad O., Ljungström E., **Platonov P.**, Holm M., Olsson B., Yuan S. Deterioration of interatrial conduction in patients with paroxysmal atrial fibrillation: electroanatomical mapping of the right atrium and the coronary sinus. *Heart Rhythm* 2004; 1: 548-553.
14. Husser D., Stridh M., Sörnmo L., **Platonov P.**, Olsson S.B., Bollmann A. Analysis of the surface electrocardiogram for monitoring and predicting antiarrhythmic drug effects in atrial fibrillation. *Cardiovascular Drugs and Therapy* 2004; 18(5):377-86.
15. Mitrofanova L.B., Ivanov V., **Platonov P.G.** Anatomy of the inferior interatrial route in humans. *Europace* 2005; 2005;7 [Suppl. 2]: 49-55.
16. Carlson J., Havmöller R., Herreros A., **Platonov P.**, Johansson R., Olsson B. Can orthogonal lead indicators of propensity for atrial fibrillation be accurately assessed from the 12-lead ECG? *Europace* 2005;7 [Suppl. 2]: 39-48.
17. Holmqvist F., Stridh M., Waktare JEP, Roijer A, Sörnmo L, **Platonov P**, Meurling CJ. Atrial Fibrillation Signal Organization Predicts Sinus Rhythm Maintenance in Patients Undergoing Cardioversion of Persistent Atrial Fibrillation. *Europace*. 2006 Aug;8(8):559-65.
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20. Havmöller R., Carlson J., Holmqvist F., Herreros A., Meurling C.J., Olsson S.B., **Platonov P.G.** Age-related changes in P wave morphology in healthy subjects *BMC Cardiovasc Disord*. 2007;7(1):22.
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24. Mitrofanova L.B., Ivanov V.A., **Platonov P.G.** [Morphological characteristic of the interatrial septum and the conducting system of the heart] *Morfologija*. 2007;132(5):52-7. Russian.
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26. **Platonov P.G.**, Mitrofanova L.B., Ivanov V., Ho S.Y. Substrates for intra- and interatrial conduction in the atrial septum: Anatomical study on 84 human hearts. *Heart Rhythm* 2008;5(8):1189-1195
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28. Holmqvist F., Husser D., Tapanainen J.M., Carlson J., Kongstad O., Xia Y., Havmøller R., Jurkko R., Toivonen L., Olsson S.B., **Platonov P.G.** 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(3):413-8
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35. Matsuo S., Lellouche N., Wright M., Bevilacqua M., Knecht S., Nault I., Lim K.-T., Arantes L., O'Neill M., **Platonov P.G.**, Carlson J., Hocini M., Jais P., Haissaguerre M. Clinical variables associated with procedural termination and long-term clinical outcome of catheter ablation for chronic atrial fibrillation. *J Am Coll Cardiol.* 2009;54(9):788-95.
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40. Ringborn M., Pettersson J., Persson E., Warren S.G., **Platonov P.G.**, Pahlm O., Wagner G.S. Comparison of high-frequency QRS components and ST-segment elevation to detect and quantify acute myocardial ischemia. *J Electrocardiol* 2010;43(2):113-120.
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43. Demidova M.M., van der Pals J., Ubachs J.F.A, Kanski M., Engblom H., Erlinge D., Tikhonenko V., **Platonov P.G.** ST-segment dynamics during reperfusion period and the size of myocardial injury in experimental myocardial infarction. *J Electrocardiol* 2011;44(1):74-81.
44. Holmqvist F., Olesen M., Tveit A., Enger S., Tapanainen J., Jurkko R., Havmöller R., Carlson J., Svendsen J.H., **Platonov P.G.** Abnormal atrial activation in young patients with lone atrial fibrillation. *Europace* 2011;13:188-192
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## 1.2 In Press

46. **Platonov P.G.**, Christensen A.H., Holmqvist F., Carlson J., Haunso S., Svendsen J.H. Abnormal atrial activation is common in patients with arrhythmogenic right ventricular cardiomyopathy. *J Electrocardiol* 2010 Nov 19. [Epub ahead of print] **In press.**
47. **Platonov P.G.**, Nault I., Holmqvist F., Stridh M., Hocini M., Haïssaguerre M. Left atrial appendage activity translation in the standard 12-lead ECG. *J Cardiovasl Electrophysiol* 2010 Oct 6. doi: 10.1111/j.1540-8167.2010.01909.x. [Epub ahead of print] **In press.**
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### 3. Reviews, book chapters, books

1. **Platonov P.G.**, Olsson S.B. 48<sup>th</sup> annual session of the American College of Cardiology. *Cardiac Electrophysiology Monitor* 1999; 2(2): 61-62
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3. **Platonov P.** Clinical trials in Russia and Eastern Europe: recruitment and quality. *Int J Clin Pharmacol Ther* 2003; 41(7):277-280.
4. Varshavsky S., Ravdel A, **Platonov P**, Timofeeva S, Nurutdinov N. Handling Clinical Trial Materials in Russia. *Pharmaceutical Manufacturing and Packing Sourcer* 2003; Autumn issue:82-86.
5. Reikhart D., **Platonov P.** Clinical trial approval in Russia. *Regulatory Affairs Journal – Pharma* Dec 2004: 871-872
6. **Platonov P.G.** and Varshavsky S. FDA inspections outside the USA: an Eastern European perspective. *Applied Clinical Trials* 2004; 13(9):60-66.
7. Reihart D., **Platonov P.** Clinical trials in Russia: Growing experience and revision of regulations. *Intl J Pharm Med* 2005;19(2):73-76
8. **Platonov P**, Xia Y, Yuan S, Johansson R. Non-fluoroscopic catheter-based mapping systems in cardiac electrophysiology: from approved clinical indications to novel research usage. *Int J Med Robotics Comput Assist Surg* 2006; 2: 21-27.
9. **Platonov P.G.** Interatrial conduction in the mechanisms of atrial fibrillation: from anatomy to cardiac signals and new treatment modalities. *Europace* 2007;9:vi10-16.
10. **Platonov P.G.** Atrial conduction and atrial fibrillation: What can we learn from surface ECG? *Cardiol J.* 2008;15(5):402-7.
11. [Shubik Y.V., Medvedev M.M., **Platonov P.G.**, Yashin S.M. Indications for implantation of pacemakers and antiarrhythmic devices. In: Perepech N.B. and Ryabov S.I. Cardiology 2008, Vol. 1. St.Petersburg: SpecLit, 2008: 577-589] – In Russian.
12. **Platonov P.G.** Substrate for development of atrial fibrillation in patients with congestive heart failure: Are we close to the answer? *Heart Rhythm.* 2009;6(4):452-3. [Editorial Commentary]

13. Lundin C., **Platonov P.**, Kristofferson U. Ärftlig risk för plötslig hjärtdöd – genetisk utredning av familjen. [Hereditary risk of sudden cardiac death--genetic investigation of the family] *Läkartidningen*;106:1089-93.
14. **Platonov P.G.** Förmaksflimmer och stroke. In: Lindegärde F., Thulin T., Östergren J. "Kärlsjukdom" 2009. Studentlitteratur AB 2009:257-267.
15. **Platonov P.G.**, Stridh M., Sörnmo L. Technical challenges associated with the estimation of the fundamental frequency during atrial fibrillation using spectral analysis. Letter regarding article, "Dominant frequency of atrial fibrillation correlates poorly with atrial fibrillation cycle length". *Circ Arrhythm Electrophysiol.* 2010 Apr 1;3(2):e4
16. Olsson S.B., **Platonov P.G.**, Holmqvist F., Bollmann A. Analys av förmakens fibrilleringsfrekvens - ett möjligt prognosinstrument vid förmaksflimmer. [Atrial fibrillation frequency a possible prognostic support in atrial fibrillation. FAF analysis gives hope for better therapeutic choice] *Läkartidningen* 2010;107(32-33):1839-43.