

## Egon Toft - CV

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## Examinations and authorisations

1995 Dr. Med. Sci. (Dissertation above PhD level), University of Copenhagen, Denmark  
1994 Specialist in Cardiology  
1984 MD, Aarhus University, Denmark

## Administrative Positions

2002-2004 Ethical committee for Viborg and North Jutland Counties  
2001-2004 Head of Research School in Health Technology, Aalborg Hospital and Aalborg University under the Ministry of Education  
2000-2002 Adjunct Professor In Clinical Electrophysiology, Center for Sensory-Motor Interaction, Aalborg University  
1998-2003 Responsible for research administration at department of Cardiology, Aalborg Hospital  
1998-2006 General Assembly, Danish Medical Society  
1996-2003 Responsible for postgraduate medical education at department of Cardiology, Aalborg Hospital  
1996-1999 Board, Medical Association in the County of North Jutland

## Work Positions

2010 Dean, Faculty of Medicine, Aalborg University  
2006 Ass. Dean Faculty of Medicine, Aalborg University  
2002-2006 Professor in Clinical Electrophysiology, Department of Health Science and Technology, Aalborg University  
1996-2006 Consultant, Dept of Cardiology, Aalborg Hospital, Aarhus University Hospitals. Responsible for treatment of tachyarrhythmias

## Appointments

Opponent PhD defenses and DMSc defences University of Copenhagen and Aarhus University. Moderator and opponent PhD defenses Aalborg University, Faculty of Engineering and Science. Fellow European Society of Cardiology. Member of guideline committees, Danish Society of Cardiology. Member of task force for FDA, evaluating new cardiac biomarkers in relation to drug testing.

## Awards

Medical Association of North Jutland as the most valuable person for the postgraduate medical training in the County of North Jutland 2000. Det Obelske Familiefonds Teaching Price for Aalborg University for the year 2004.

## Appendix A - Clinical Achievements

I introduced ICD implantations and implemented ablations for tachyarrhythmias at Aalborg University Hospital. Under my management Aalborg University Hospital went from implantation of simple pacemakers to a facility with 2 full time working labs implanting all kinds of pacemakers and ICDs and ablation of all kinds of tachyarrhythmias in adults. This included the projection and funding of the labs, training of the staff and implementing the different technologies used for the invasive treatment of tachyarrhythmias. Furthermore I have made more than 1500 coronary angiographies and a few PCIs. I was single responsible for approximately 40% of the patients in the cardiology ward and led the hospital from a low national level to an international level in the field.

## Appendix B - Journal Articles

Schmidt, S. E., Madsen, L. H., Hansen, J., Zimmermann, H., Kelbæk, H., Winter, S., Hammershøi, D., Toft, E., Struijk, J. J., & Clemmensen, P. (2022). Coronary Artery Disease Detected by Low Frequency Heart Sounds. *Cardiovascular*

*engineering and technology*, 13(6), 864-871. Advance online publication. <https://doi.org/10.1007/s13239-022-00622-6>

Kassab, S. E., Du, X., Toft, E., Cyprian, F., Al-Moslih, A., Schmidt, H., Hamdy, H., & Abu-Hijleh, M. (2019). Measuring medical students' professional competencies in a problem-based curriculum: a reliability study. *BMC Medical Education*, 19(1), Article 155. <https://doi.org/10.1186/s12909-019-1594-y>

Yi, F., Hou, W., Zhou, C., Yin, Y., Lu, S., Duan, C., Cao, M., Li, M., Toft, E. S., & Zhang, H. (2019). Radiofrequency Ablation Versus Antiarrhythmic Drug Therapy for Atrial Fibrillation: Meta-analysis of Safety and Efficacy. *Journal of Cardiovascular Pharmacology*, 73(4), 241-247. <https://doi.org/10.1097/FJC.0000000000000654>

Bhuiyan, T. A., Graff, C., Kanters, J. K., Melgaard, J., Toft, E., Kääb, S., & Struijk, J. J. (2018). A history of drug-induced Torsades de Pointes is associated with T-wave morphological abnormalities. *Clinical Pharmacology & Therapeutics*, 103(6), 1100-1106. Advance online publication. <https://doi.org/10.1002/cpt.886>

Zhang, H., Li, X., Deng, W., Wang, X., Wang, S., Ge, J., & Toft, E. (2017). Drug release kinetics from a drug-eluting stent with asymmetrical coat. *Frontiers in Bioscience*, 22, 407-415. <https://www.bioscience.org/2017/v22/af/4491/list.htm>

Cai, H., Krebs, H. J., Tao, Y., Hansen, J., Pan, R., Cai, Y., Toft, E., & Dinesen, B. (2016). A qualitative study on implementation of the intelligent bed: findings from a rehabilitation ward at a large Chinese tertiary hospital. *Wireless Personal Communications*, 90(1), 399-420. <https://doi.org/10.1007/s11277-016-3375-9>

Dinesen, B. I., Nonnecke, B., Lindeman, D., Toft, E., Kidholm, K., Jethwani, K., Young, H. M., Spindler, H., Østergaard, C. U., Southard, J. A., Gutierrez, M., Anderson, N., Albert, N. M., Han, J. J., & Nesbitt, T. (2016). Personalized telehealth in the future: a global research agenda. *Journal of Medical Internet Research*, 18(3), Article e53. <https://doi.org/10.2196/jmir.5257>

Riknagel, D., Dinesen, B. I., Zimmermann, H., Farlie, R., Schmidt, S., Toft, E., & Struijk, J. J. (2016). Digital auscultation of the uterine artery: a measure of uteroplacental perfusion. *Physiological Measurement*, 37(7), 1163-1171. <https://doi.org/10.1088/0967-3334/37/7/1163>

Winther, S., Schmidt, S. E., Holm, N. R., Toft, E., Struijk, J. J., Bøtker, H. E., & Bøttcher, M. (2016). Diagnosing coronary artery disease by sound analysis from coronary stenosis induced turbulent blood flow: diagnostic performance in patients with stable angina pectoris. *International Journal of Cardiovascular Imaging*, 32(2), 235-245. <https://doi.org/10.1007/s10554-015-0753-4>

Zhang, H., Wang, X., Deng, W., Wang, S., Ge, J., & Toft, E. (2016). Randomized clinical trial comparing abluminal biodegradable polymer sirolimus-eluting stents with durable polymer sirolimus-eluting stents: nine months angiographic and 5-year clinical outcomes. *Medicine*, 95(38), Article e4820. <https://doi.org/10.1097/MD.00000000000004820>

Zhang, H., Deng, W., Wang, X., Wang, S., Ge, J., & Toft, E. (2016). Solely abluminal drug release from coronary stents could possibly improve reendothelialization. *Catheterization and Cardiovascular Interventions*, 88(3), E59-E66. <https://doi.org/10.1002/ccd.25335>

Bhuiyan, T. A., Graff, C., Kanters, J. K., Nielsen, J., Melgaard, J., Matz, J., Toft, E., & Struijk, J. J. (2015). The T-peak-T-end interval as a marker of repolarization abnormality: a comparison with the QT interval for five different drugs. *Clinical Drug Investigation*, 35(11), 717-724. <https://doi.org/10.1007/s40261-015-0328-0>

Cai, H., Toft, E., & Dinesen, B. (2015). A conceptual framework for the effect evaluation of the intelligent bed. *Wireless Personal Communications*, 80(4), 1405-1414. <https://doi.org/10.1007/s11277-014-2090-7>

Cai, H., Toft, E., Hejlesen, O., Hansen, J., Østergaard, C. U., & Dinesen, B. I. (2015). Health professionals' user experience of the intelligent bed in patients' homes. *International Journal of Technology Assessment in Health Care*, 31(4), 256-263. <https://doi.org/10.1017/S0266462315000380>

- Hong, L., Andersen, L. J., Graff, C., Vedel-Larsen, E., Wang, F., Struijk, J., Søgaard, P., Hansen, P. R., Yang, Y. Z., Christiansen, M., Toft, E., & Kanters, J. K. (2015). T-wave morphology analysis of competitive athletes. *Journal of Electrocardiology*, *48*(1), 35-42. <https://doi.org/10.1016/j.jelectrocard.2014.10.011>
- Nielsen, J., Matz, J., Mittoux, A., Polcwiartek, C., Struijk, J., Toft, E., Kanters, J. K., & Graff, C. (2015). Cardiac effects of sertindole and quetiapine: analysis of ECGs from a randomized double-blind study in patients with schizophrenia. *European Neuropsychopharmacology*, *25*(3), 303-311. <https://doi.org/10.1016/j.euroneuro.2014.12.005>
- Schmidt, S., Holst-Hansen, C., Hansen, J., Toft, E., & Struijk, J. (2015). Acoustic features for the identification of coronary artery disease. *IEEE Transactions on Biomedical Engineering*, *62*(11), 2611-2619. Article 7105874. <https://doi.org/10.1109/TBME.2015.2432129>
- Christiansen, M., Hedley, P. L., Theilade, J., Stoevring, B., Leren, T. P., Eschen, O., Sørensen, K. M., Tybjærg-Hansen, A., Ousager, L. B., Pedersen, L. N., Frikke-Schmidt, R., Aidt, F. H., Hansen, M. G., Hansen, J., Thomsen, P. E. B., Toft, E., Henriksen, F. L., Bundgaard, H., Jensen, H. K., & Kanters, J. K. (2014). Mutations in Danish patients with long QT syndrome and the identification of a large founder family with p.F29L in *KCNH2*. *BMC Medical Genetics*, *15*, Article 31. <https://doi.org/10.1186/1471-2350-15-31>
- Hjortshøj, S., Heath, F. P., Haugland, M., Eschen, O., Thøgersen, A. M., Riahi, S., Toft, E., & Struijk, J. J. (2014). Long pacing Pulses Reduce Phrenic Nerve Stimulation in Left Ventricular Pacing. *Journal of Cardiovascular Electrophysiology*, *25*(5), 485-490. <https://doi.org/10.1111/jce.12345>
- Dinesen, B., Huniche, L., & Toft, E. (2013). Attitudes of COPD patients towards tele-rehabilitation: a cross-sector case study. *International Journal of Environmental Research and Public Health*, *10*(11), 6184-6198. <https://doi.org/10.3390/ijerph10116184>
- Du, X., Emmersen, J., Toft, E., & Sun, B. (2013). PBL and critical thinking disposition in Chinese medical students: – A randomized cross-sectional study. *Journal of Problem Based Learning in Higher Education*, *1*(1), 72-83. <http://journals.aau.dk/index.php/pbl/article/view/275>
- Huniche, L., Dinesen, B., Nielsen, C., Grann, O., & Toft, E. (2013). Patients' use of self-monitored readings for managing everyday life with COPD: a qualitative study. *Telemedicine and e-Health*, *19*(5), 396-402. <https://doi.org/10.1089/tmj.2012.0135>
- Kurande, V. H., Bilgrau, A. E., Waagepetersen, R., Toft, E., & Prasad, R. (2013). Interrater reliability of diagnostic methods in traditional Indian Ayurvedic medicine. *Evidence-Based Complementary and Alternative Medicine*, *2013*, Article 658275. <https://doi.org/10.1155/2013/658275>
- Kurande, V. H., Waagepetersen, R., Toft, E., & Prasad, R. (2013). Reliability studies of diagnostic methods in Indian traditional Ayurveda medicine: An overview. *Journal of Ayurveda and Integrative Medicine*, *4*(2), 67-76. <https://doi.org/10.4103/0975-9476.113867>
- Thomsen, L. P., Karbing, D. S., Smith, B. W., Murley, D., Weinreich, U. M., Kjærgaard, S., Toft, E., Thorgaard, P., Andreassen, S., & Rees, S. E. (2013). Clinical refinement of the automatic lung parameter estimator (ALPE). *Journal of Clinical Monitoring and Computing*, *27*(3), 341-350. <https://doi.org/10.1007/s10877-013-9442-9>
- Camm, A. J., Toft, E., Torp-Pedersen, C., Vijayaraman, P., Juul-Møller, S., Ip, J., Beatch, G. N., Dickinson, G., & Wyse, D. G. (2012). Efficacy and safety of vernakalant in patients with atrial flutter: a randomized, double-blind, placebo-controlled trial. *Europace*, *14*(6), 804-809. <https://doi.org/10.1093/europace/eur416>
- Dinesen, B., Hæsum, L. K. E., Sørensen, N., Nielsen, C., Grann, O., Hejlesen, O., Toft, E., & Ehlers, L. H. (2012). Using preventive home monitoring to reduce hospital admission rates and reduce costs: A case study of telehealth among chronic obstructive pulmonary disease patients. *Journal of Telemedicine and Telecare*, *18*(4), 221-225. <https://doi.org/10.1258/jtt.2012.110704>

Graff, C., Struijk, J., Kanters, J. K., Andersen, M. P., Toft, E., & Tyl, B. (2012). Effects of bilastine on T-wave morphology and the QTc interval: A randomized, double-blind, placebo-controlled, thorough QTc study. *Clinical Drug Investigation*, 32(5), 339-351. <https://doi.org/10.2165/11599270-000000000-00000>

Hæsum, L. K. E., Sørensen, N., Dinesen, B., Nielsen, C., Grann, O., Hejlesen, O., Toft, E., & Ehlers, L. H. (2012). Cost-utility analysis of a telerehabilitation program: A case study of COPD patients. *Telemedicine and e-Health*, 18(9), 688-692. <https://doi.org/10.1089/tmj.2011.0250>

Jensen, M. H., Cichosz, S. L., Hejlesen, O., Toft, E., Nielsen, C., Grann, O., & Dinesen, B. (2012). Clinical impact of home telemonitoring on patients with chronic obstructive pulmonary disease. *Telemedicine and e-Health*, 18(9), 674-678. <https://doi.org/10.1089/tmj.2012.0003>

Kurande, V., Waagepetersen, R., Toft, E., Prasad, R., & Raturi, L. (2012). Repeatability of pulse diagnosis and body constitution diagnosis in traditional Indian Ayurveda medicine. *Global Advances in Health and Medicine*, 1(5), 36-42. <https://doi.org/10.7453/gahmj.2012.1.5.011>

Shakibfar, S., Graff, C., Ehlers, L. H., Toft, E., Kanters, J. K., & Struijk, J. (2012). Assessing common classification methods for the identification of abnormal repolarization using indicators of T-wave morphology and QT interval. *Computers in Biology and Medicine*, 42(4), 485-491. <https://doi.org/10.1016/j.combiomed.2012.01.001>

Madsen, T., Christensen, J. H., Toft, E., Valbak Aardestrup, I., Lundbye-Christensen, S., & Schmidt, E. B. (2011). Effect of intravenous  $\omega$ -3 fatty acid infusion and hemodialysis on fatty acid composition of free fatty acids and phospholipids in patients with end-stage renal disease. *Journal of Parenteral and Enteral Nutrition*, 35(1), 97-106. <https://doi.org/10.1177/0148607110371807>

Madsen, T., Christensen, J. H., Svensson, M., Witt, P. M., Toft, E., & Schmidt, E. B. (2011). Marine n-3 polyunsaturated fatty acids in patients with end-stage renal failure and in subjects without kidney disease: a comparative study. *Journal of Renal Nutrition*, 21(2), 169-175. <https://doi.org/10.1053/j.jrn.2010.06.020>

Matz, J., Graff, C., Vainio, P. J., Kallio, A., Højer, A. M., Struijk, J., Kanters, J. K., Andersen, M. P., & Toft, E. (2011). Effect of Nalmefene 20 and 80 mg on the corrected QT interval and T-wave morphology: a randomized, double-blind, parallel-group, placebo- and moxifloxacin-controlled, single-centre study. *Clinical Drug Investigation*, 31(11), 799-811. <https://doi.org/10.2165/11592950-000000000-00000>

Nielsen, J., Graff, C., Kanters, J. K., Toft, E., Taylor, D., & Meyer, J. M. (2011). Assessing QT interval prolongation and its associated risks with antipsychotics. *CNS Drugs*, 25(6), 473-490. <https://doi.org/10.2165/11587800-000000000-00000>

Perings, C., Bauer, W. R., Bondke, H.-J., Mewis, C., James, M., Böcker, D., Broadhurst, P., Korte, T., Toft, E., Hintringer, F., Clémenty, J., & Schwab, J. O. (2011). Remote monitoring of implantable-cardioverter defibrillators: results from the Reliability of IEGM Online Interpretation (RIONI) study. *Europace*, 13(2), 221-229. <https://doi.org/10.1093/europace/euq447>

Schmidt, S., Graebe, M., Toft, E., & Struijk, J. (2011). No evidence of nonlinear or chaotic behavior of cardiovascular murmurs. *Biomedical Signal Processing and Control*, 6(2), 157-163. <https://doi.org/10.1016/j.bspc.2010.07.003>

Du, X., Liu, Q., Toft, E., & Sun, B. (2010). Comparing and Rethinking the Diversity of PBL Models in Medical Education. *Chinese Journal of Medical Education*, 30(6), 958-960.

Graff, C., Struijk, J., Matz, J., Kanters, J. K., Andersen, M. P., Nielsen, J., & Toft, E. (2010). Covariate analysis of QTc and T-wave morphology: new possibilities in the evaluation of drugs that affect cardiac repolarization. *Clinical Pharmacology and Therapeutics*, 88(1), 88-94. <https://doi.org/10.1038/clpt.2010.51>

- Madsen, T., Christensen, J. H., Thøgersen, A. M., Schmidt, E. B., & Toft, E. (2010). Intravenous infusion of n-3 polyunsaturated fatty acids and inducibility of ventricular tachycardia in patients with implantable cardioverter defibrillator. *Europace*, *12*(7), 941-946. <https://doi.org/10.1093/europace/euq085>
- Nielsen, C. E. H., Graff, C., Andersen, M. P., Hardahl, T. B., Struijk, J., Toft, E., Xue, J., Rowlandson, G. I., Hansen, P. R., & Kanters, J. K. (2010). Reference values of electrocardiogram repolarization variables in a healthy population. *Journal of Electrocardiology*, *43*(1), 31-39. <https://doi.org/10.1016/j.jelectrocard.2009.08.001>
- Nielsen, J., Andersen, M. P., Graff, C., Kanters, J. K., Hardahl, T. B., Dybbro, J., Struijk, J., Meyer, J. M., & Toft, E. (2010). The effect of sertindole on QTd and TPTE. *Acta Psychiatrica Scandinavica*, *121*(5), 385-388. <https://doi.org/10.1111/j.1600-0447.2009.01534.x>
- Pratt, C. M., Roy, D., Torp-Pedersen, C., Wyse, D. G., Toft, E., Juul-Moller, S., Retyk, E., & Drenning, D. H. (2010). Usefulness of vernakalant hydrochloride injection for rapid conversion of atrial fibrillation. *American Journal of Cardiology*, *106*(9), 1277-1283. <https://doi.org/10.1016/j.amjcard.2010.06.054>
- Schmidt, S., Holst-Hansen, C., Graff, C., Toft, E., & Struijk, J. (2010). Segmentation of heart sound recordings by a duration-dependent hidden Markov model. *Physiological Measurement*, *31*(4), 513-529. <https://doi.org/10.1088/0967-3334/31/4/004>
- Dinesen, B., & Toft, E. (2009). Telehomecare challenge collaboration among healthcare professionals. *Wireless Personal Communications*, *51*(4), 711-724. <https://doi.org/10.1007/s11277-009-9767-3>
- Graff, C., Andersen, M. P., Xue, J. Q., Hardahl, T. B., Kanters, J. K., Toft, E., Christiansen, M., Jensen, H. K., & Struijk, J. (2009). Identifying drug-induced repolarization abnormalities from distinct ECG Patterns in congenital long QT syndrome: a study of sotalol effects on T-wave morphology. *Drug Safety*, *32*(7), 599-611. <https://doi.org/10.2165/00002018-200932070-00006>
- Graff, C., Matz, J., Christensen, E. B., Andersen, M. P., Kanters, J. K., Toft, E., Pehrson, S., Hardahl, T. B., Nielsen, J., & Struijk, J. (2009). Quantitative analysis of T-wave morphology increases confidence in drug-induced cardiac repolarization abnormalities: evidence from the investigational I-Kr inhibitor Lu 35-138. *The Journal of Clinical Pharmacology*, *49*(11), 1331-1342. <https://doi.org/10.1177/0091270009344853>
- Kowey, P. R., Dorian, P., Mitchell, L. B., Pratt, C. M., Roy, D., Schwartz, P. J., Sadowski, J., Sobczyk, D., Bochenek, A., Toft, E., & Atrial Arrhythmia Conversion Trial Investigators (2009). Vernakalant hydrochloride for the rapid conversion of atrial fibrillation after cardiac surgery: a randomized, double-blind, placebo-controlled trial. *Circulation. Arrhythmia and Electrophysiology*, *2*(6), 652-659. <https://doi.org/10.1161/CIRCEP.109.870204>
- Moesgaard, J., Kristensen, J. H., Malczynski, J., Holst-Hansen, C., Rees, S. E., Murley, D., Andreassen, S., Frøkjær, J. B., & Toft, E. (2009). Can new pulmonary gas exchange parameters contribute to evaluation of pulmonary congestion in left-sided heart failure? *Canadian Journal of Cardiology*, *25*(3), 149-155. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2691694/>
- Nielsen, J., Graff, C., Hardahl, T. B., Andersen, M. P., Kristoffersen, J., Struijk, J., Toft, E., & Meyer, J. M. (2009). Sertindole causes distinct electrocardiographic T-wave morphology changes. *European Neuropsychopharmacology*, *19*(10), 702-707. <https://doi.org/10.1016/j.euroneuro.2009.04.011>
- Nielsen, C. E. H., Hansen, P. R., Vedel-Larsen, E., Pedersen, S. H., Graff, C., Andersen, M. P., Toft, E., Wang, F., Struijk, J., & Kanters, J. K. (2009). The prognostic value of the Tpeak-Tend interval in patients undergoing primary percutaneous coronary intervention for ST-segment elevation myocardial infarction. *Journal of Electrocardiology*, *42*(6), 555-560. <https://doi.org/10.1016/j.jelectrocard.2009.06.009>
- Toft, E. (2009). Uddannelser i trit med tiden. *Medicinsk Teknologi og Informatik*, *6*(1), 4.

- Andersen, M. P., Xue, J. Q., Graff, C., Kanters, J. K., Toft, E., & Struijk, J. (2008). New descriptors of T-wave morphology are independent of heart rate. *Journal of Electrocardiology*, 41(6), 557-561. <https://doi.org/10.1016/j.jelectrocard.2008.07.021>
- Dinesen, B., Nøhr, C., Andersen, S. K., Sejersen, H., & Toft, E. (2008). Under surveillance, yet looked after: telehomecare as viewed by patients and their spouse/partners. *European Journal of Cardiovascular Nursing*, 7(3), 239-246. <https://doi.org/10.1016/j.ejcnurse.2007.11.004>
- Kanters, J. K., Haarmark, C., Vedel-Larsen, E., Andersen, M. P., Graff, C., Struijk, J., Thomsen, P. E. B., Christiansen, M., Jensen, H. K., & Toft, E. (2008). T<sub>peak</sub>-T<sub>end</sub> interval in long QT syndrome. *Journal of Electrocardiology*, 41(6), 603-608. <https://doi.org/10.1016/j.jelectrocard.2008.07.024>
- Roy, D., Pratt, C. M., Torp-Pedersen, C., Wyse, D. G., Toft, E., Juul-Møller, S., Nielsen, T., Rasmussen, S. L., Stiell, I. G., Coutu, B., Ip, J. H., Pritchett, E. L. C., & Camm, A. J. (2008). Vernakalant hydrochloride for rapid conversion of atrial fibrillation: a phase 3, randomized, placebo-controlled trial. *Circulation*, 117(12), 1518-1525. <https://doi.org/10.1161/CIRCULATIONAHA.107.723866>
- Toft, E., & Knudsen, F. (2008). Anvendt IT i det samarbejdende sundhedsvæsen. *Tidsskrift for Dansk Sundhedsvæsen*, 84(9), 241.
- Toft, E. (2008). Sundhedsområdet ved Aalborg Universitet i ekspansion. *Sundhed, Teknologi, Informatik*, 2008(juli), 1-2.
- Dinesen, B., Gustafsson, J., Nøhr, C., Andersen, S. K., Sejersen, H., & Toft, E. (2007). Implementation of the concept of home hospitalisation for heart patients by means of telehomecare technology: integration of clinical tasks. *International Journal of Integrated Care*, 7. <http://www.ijic.org/publish/articles/000285/article.pdf>
- Dinesen, B., Gustafsson, J., Nøhr, C., Andersen, S. K., Sejersen, H., & Toft, E. (2007). Telehomecare technology across sectors: claims of jurisdiction and emerging controversies. *International Journal of Integrated Care*, 7. <http://www.ijic.org/cgi-bin/pw.cgi/articles/000307/article.pdf>
- Madsen, T., Christensen, J. H., Toft, E., & Schmidt, E. B. (2007). C-reactive protein is associated with heart rate variability. *Annals of Noninvasive Electrocardiology*, 12(3), 216-222. <https://doi.org/10.1111/j.1542-474X.2007.00164.x>
- Rasmussen, B. S., Laugesen, H., Sollid, J., Grønlund, J., Rees, S. E., Toft, E., Gjedsted, J., Dethlefsen, C., & Tønnesen, E. (2007). Oxygenation and release of inflammatory mediators after off-pump compared with after on-pump coronary artery bypass surgery. *Acta Anaesthesiologica Scandinavica*, 51(9), 1202-1210. <https://doi.org/10.1111/j.1399-6576.2007.01426.x>
- Tosato, M., Yoshida, K., Toft, E., & Struijk, J. (2007). Quasi-trapezoidal pulses to selectively block the activation of intrinsic laryngeal muscles during vagal nerve stimulation. *Journal of Neural Engineering*, 4(3), 205-212. <https://doi.org/10.1088/1741-2560/4/3/005>
- Kanters, J. K., Graff, C., Andersen, M. P., Hardahl, T. B., Toft, E., Christiansen, M., Thomsen, P. E. B., & Struijk, J. (2006). Long QT syndrome genotyping by electrocardiography: fact, fiction, or something in between? *Journal of Electrocardiology*, 39(4 Suppl.), S119-S122. <https://doi.org/10.1016/j.jelectrocard.2006.06.008>
- Kanters, J. K., Thomsen, P. E. B., Christiansen, M., & Toft, E. (2006). Neurocardiogenic syncope in long-QT syndrome is not necessarily benign. *Clinical Research in Cardiology*, 95(6), 349. <https://doi.org/10.1007/s00392-006-0385-8>
- Larroude, C. E., Jensen, B. T., Agner, E., Toft, E., Torp-Pedersen, C., Wachtell, K., & Kanters, J. K. (2006). Beat-to-beat QT dynamics in paroxysmal atrial fibrillation. *Heart Rhythm*, 3(6), 660-664. <https://doi.org/10.1016/j.hrthm.2006.02.021>
- Perings, C., Klein, G., Toft, E., Moro, C., Klug, D., Böcker, D., Trappe, H. J., & Korte, T. (2006). The RIONI study rationale and design: validation of the first stored electrograms transmitted via home monitoring in patients with implantable defibrillators. *Europace*, 8(4), 288-292. <https://doi.org/10.1093/europace/eul009>

Rasmussen, B. S., Sollid, J., Rees, S. E., Kjærgaard, S., Murley, D., & Toft, E. (2006). Oxygenation within the first 120 h following coronary artery bypass grafting. Influence of systemic hypothermia (32 °C) or normothermia (36 °C) during the cardiopulmonary bypass: a randomized clinical trial. *Acta Anaesthesiologica Scandinavica*, *50*(1), 64-71. <https://doi.org/10.1111/j.1399-6576.2006.00897.x>

Struijk, J., Kanters, J. K., Andersen, M. P., Hardahl, T. B., Graff, C., Christiansen, M., & Toft, E. (2006). Classification of the long-QT syndrome based on discriminant analysis of T-wave morphology. *Medical & Biological Engineering & Computing*, *44*(7), 543-549. <https://doi.org/10.1007/s11517-006-0061-1>

Toft, E. (2006). Implantable electrocardiographic monitoring: clinical experiences. *Journal of Electrocardiology*, *39*(4), S47-S49. <https://doi.org/10.1016/j.jelectrocard.2006.05.024>

Toft, E. (2006). Medicin med industriel specialisering. *Sundhed - Teknologi - Informatik*, 2006(marts), 7.

Toft, E. (2006). Sundhedsvidenskab ved Aalborg Universitet. *Sundhed, Teknologi, Informatik*, 2006(juni), 1-2.

Toft, E. (2006). Ændret erhvervsstruktur imødekommes med ny uddannelse på Aalborg Universitet. *Uddannelsesnyhedsbrev fra Netværkscenteret AAU : formidling af forskning og samarbejde*, (2), 4-5.

Tosato, M., Yoshida, K., Toft, E., Nekrasas, V., & Struijk, J. (2006). Closed-loop control of the heart rate by electrical stimulation of the vagus nerve. *Medical & Biological Engineering & Computing*, *44*(3), 161-169. <https://doi.org/10.1007/s11517-006-0037-1>

Christensen, J. H., Krarup, H., Riahi, S., Toft, E., & Schmidt, E. B. (2005). Heart rate variability is associated with haptoglobin phenotype in patients with coronary artery disease. *European Journal of Cardiovascular Prevention & Rehabilitation*, *12*(3), 221-225. <https://doi.org/10.1097/01.hjr.0000166452.38593.05>

Christensen, J. H., Schmidt, E. B., & Toft, E. (2005). Letter regarding article by Mozaffarian et al, "Fish intake and risk of incident atrial fibrillation". *Circulation*, *111*(4), e37. <http://circ.ahajournals.org/cgi/content/full/111/4/e37>

Christensen, J. H., Riahi, S., Schmidt, E. B., Mølgaard, H., Pedersen, A. K., Heath, F., Nielsen, J. C., & Toft, E. (2005). n-3 fatty acids and ventricular arrhythmias in patients with ischaemic heart disease and implantable cardioverter defibrillators. *Europace*, *7*(4), 338-344. <https://doi.org/10.1016/j.eupc.2005.02.118>

Eschen, O., Christensen, J. H., Toft, E., & Schmidt, E. B. (2005). Soluble adhesion molecules and marine n-3 fatty acids in patients referred for coronary angiography. *Atherosclerosis*, *180*(2), 327-331. <https://doi.org/10.1016/j.atherosclerosis.2004.12.006>

Riahi, S., Schmidt, E. B., Christensen, J. H., Heath, F., Pedersen, A. K., Nielsen, J. C., Mølgaard, H., & Toft, E. (2005). Statins, ventricular arrhythmias and heart rate variability in patients with implantable cardioverter defibrillators and coronary heart disease. *Cardiology*, *104*(4), 210-214. <https://doi.org/10.1159/000088175>

Dyerberg, J., Eskesen, D. C., Andersen, P. W., Astrup, A., Buemann, B., Christensen, J. H., Clausen, P., Rasmussen, B. F., Schmidt, E. B., Tholstrup, T., Toft, E., Toubro, S., & Stender, S. (2004). Effects of trans- and n-3 unsaturated fatty acids on cardiovascular risk markers in healthy males: an 8 weeks dietary intervention study. *European Journal of Clinical Nutrition*, *58*(7), 1062-1070. <http://www.nature.com/ejcn/journal/v58/n7/abs/1601934a.html>

Frøbert, O., Moesgaard, J., Toft, E., Poulsen, S. H., & Søgaard, P. (2004). Influence of oxygen tension on myocardial performance: evaluation by tissue Doppler imaging. *Cardiovascular Ultrasound*, *2*, Article No. 22. <https://doi.org/10.1186/1476-7120-2-22>

- Kanters, J. K., Fanoë, S., Larsen, L. A., Thomsen, P. E. B., Toft, E., & Christiansen, M. (2004). T wave morphology analysis distinguishes between KvLQT1 and HERG mutations in long QT syndrome. *Heart Rhythm*, 3(3), 285-292. <https://doi.org/10.1016/j.hrthm.2004.05.002>
- Kjærgaard, S., Rees, S. E., Malczynski, J., Nielsen, J. A., Thorgaard, P., Toft, E., & Andreassen, S. (2003). Non-invasive estimation of shunt and ventilation-perfusion mismatch. *Intensive Care Medicine*, 29(5), 727-734. <https://doi.org/10.1007/s00134-003-1708-0>
- Toft, E., Aaroe, J., Jensen, B. T., Christiansen, M., Fog, L., Thomsen, P. E., & Kanters, J. K. (2003). Long QT syndrome patients may faint due to neurocardiogenic syncope. *Europace*, 5(4), 367-370. [https://doi.org/10.1016/S1099-5129\(03\)00083-7](https://doi.org/10.1016/S1099-5129(03)00083-7)
- Toft, E., Hansen, V. E., Christensen, J. H., Schmidt, E. B., Skou, H. A., Fog, L., Ekelund, S., & Dyerberg, J. (2003). Plasma homocysteine, angiographically proven coronary artery disease, and wine consumption. *European Journal of Internal Medicine*, 14(4), 244-248. [https://doi.org/10.1016/S0953-6205\(03\)00069-4](https://doi.org/10.1016/S0953-6205(03)00069-4)
- Frost, L., Johnsen, S. P., Pedersen, L., Toft, E., Husted, S., & Sørensen, H. T. (2002). Atrial fibrillation or flutter and stroke: a Danish population-based study of the effectiveness of oral anticoagulation in clinical practice. *Journal of Internal Medicine*, 252(1), 64-69. <https://doi.org/10.1046/j.1365-2796.2002.01009.x>
- Rees, S. E., Kjærgaard, S., Thorgaard, P., Malczynski, J., Toft, E., & Andreassen, S. (2002). The automatic lung parameter estimator (ALPE) system: non-invasive estimation of pulmonary gas exchange parameters in 10-15 minutes. *Journal of Clinical Monitoring and Computing*, 17, 43-52. <https://doi.org/10.1023/A:1015456818195>
- Riahi, S., Christensen, J. H., Toft, E., Skou, H. A., & Schmidt, E. B. (2002). HMG-CoA reductase inhibitors improve heart rate variability in patients with a previous myocardial infarction. *Pharmacological Research*, 45(6), 479-483. <https://doi.org/10.1006/phrs.2002.0988>
- Christensen, J. H., Skou, H. A., Fog, L., Hansen, V. E., Vesterlund, T., Dyerberg, J., Toft, E., & Schmidt, E. B. (2001). Marine n-3 fatty acids, wine intake, and heart rate variability in patients referred for coronary angiography. *Circulation*, 103(5), 651-657. <https://doi.org/10.1161/01.CIR.103.5.651>
- Madsen, T., Skou, H. A., Hansen, V. E., Fog, L., Christensen, J. H., Toft, E., & Schmidt, E. B. (2001). C-reactive protein, dietary n-3 fatty acids, and the extent of coronary artery disease. *American Journal of Cardiology*, 88(10), 1139-1142. [https://doi.org/10.1016/S0002-9149\(01\)02049-5](https://doi.org/10.1016/S0002-9149(01)02049-5)
- Riahi, S., Fonager, K., Toft, E., Hvilsted-Rasmussen, L., Bendtsen, J., Johnsen, S. P., & Sørensen, H. T. (2001). Use of lipid-lowering drugs during 1991-98 in Northern Jutland, Denmark. *British Journal of Clinical Pharmacology*, 52(3), 307-311. <https://doi.org/10.1046/j.0306-5251.2001.01439.x>
- Riahi, S., Fonager, K., Toft, E., Rasmussen, L. H., Bendtsen, J., Johnsen, S. P., & Sørensen, H. T. (2001). Use of lipid-lowering drugs during 1991-98 in Northern Jutland; Denmark. *British Journal of Clinical Pharmacology*, 52, 307-311. <http://onlinelibrary.wiley.com/doi/10.1046/j.0306-5251.2001.01439.x/pdf>
- Skou, H. A., Toft, E., Christensen, J. H., Hansen, J. B., Dyerberg, J., & Schmidt, E. B. (2001). N-3 fatty acids and cardiac function after myocardial infarction in Denmark. *International Journal of Circumpolar Health*, 60(3), 360-365.
- Christensen, J. H., Christensen, M. S., Toft, E., Dyerberg, J., & Schmidt, E. B. (2000). Alpha-linolenic acid and heart rate variability. *Nutrition, Metabolism & Cardiovascular Diseases*, 10(2), 57-61.
- Christensen, J. H., Toft, E., Christensen, M. S., & Schmidt, E. B. (1999). Heart rate variability and plasma lipids in men with and without ischaemic heart disease. *Atherosclerosis*, 145(1), 181-186. [https://doi.org/10.1016/S0021-9150\(99\)00052-0](https://doi.org/10.1016/S0021-9150(99)00052-0)



Korup, E., Køber, L., Torp-Pedersen, C., & Toft, E. (1999). Prognostic usefulness of repeated echocardiographic evaluation after acute myocardial infarction. *American Journal of Cardiology*, *83*(11), 1559-1562. [https://doi.org/10.1016/S0002-9149\(99\)00148-4](https://doi.org/10.1016/S0002-9149(99)00148-4)

Allermand, H., Toft, E., Jacobsen, C.-J. B., Kristensen, B. Ø., & Egeblad, M. (1997). Kronisk tromboembolisk pulmonal hypertension. *Ugeskrift for læger*, *159*(41), 6063-6067.

Christensen, J. H., Korup, E., Aarøe, J., Toft, E., Møller, J., Rasmussen, K., Dyerberg, J., & Schmidt, E. B. (1997). Fish consumption, n-3 fatty acids in cell membranes, and heart rate variability in survivors of myocardial infarction with left ventricular dysfunction. *American Journal of Cardiology*, *79*(12), 1670-1673. [https://doi.org/10.1016/S0002-9149\(97\)00220-8](https://doi.org/10.1016/S0002-9149(97)00220-8)

Christensen, J. H., Gustenhoff, P., Korup, E., Aarøe, J., Toft, E., Møller, J. M., Rasmussen, K., Dyerberg, J., & Schmidt, E. B. (1997). n-3 polyumættede fedtsyrer, hjertefrekvensvariabilitet og ventrikulære arytmier hos post-AMI-patienter: et klinisk kontrolleret studie. *Ugeskrift for læger*, *159*(37), 5525-5529.

Korup, E., Dalsgaard, D., Nyvad, O., Jensen, T. M., Toft, E., & Berning, J. (1997). Comparison of degrees of left ventricular dilation within three hours and up to six days after onset of first acute myocardial infarction. *American Journal of Cardiology*, *80*(4), 449-453. [https://doi.org/10.1016/S0002-9149\(97\)00393-7](https://doi.org/10.1016/S0002-9149(97)00393-7)

Christensen, J. H., Gustenhoff, P., Korup, E., Aarøe, J., Toft, E., Møller, J., Rasmussen, K., Dyerberg, J., & Schmidt, E. B. (1996). Effect of fish oil on heart rate variability in survivors of myocardial infarction: a double blind randomised controlled trial. *BMJ. British Medical Journal (International Ed.)*, *312*(7032), 677-678. <http://www.bmj.com/content/312/7032/677.full>

Korup, E., Toft, E., & Rasmussen, K. (1995). Plasma atrial natriuretic peptide is related to systolic but not diastolic myocardial function: determination by echocardiography 24 h after myocardial infarction. *European Heart Journal*, *16*(4), 485-489. <http://eurheartj.oxfordjournals.org/content/16/4/485.abstract>

Nielsen, J., Crone, C., Sinkjær, T., Toft, E., & Hultborn, H. (1995). Central control of reciprocal inhibition during fictive dorsiflexion in man. *Experimental Brain Research*, *104*(1), 99-106. <https://doi.org/10.1007/BF00229859>

Sinkjær, T., Toft, E., & Hansen, H. J. (1995). H-reflex modulation during gait in multiple sclerosis patients with spasticity. *Acta Neurologica Scandinavica*, *91*(4), 239-246. <https://doi.org/10.1111/j.1600-0404.1995.tb06997.x>

Sinkjær, T., Nielsen, J., & Toft, E. (1995). Mechanical and electromyographic analysis of reciprocal inhibition at the human ankle joint. *Journal of Neurophysiology*, *74*(2), 849-855. <http://jn.physiology.org/content/74/2/849>

Toft, E., Nielsen, G., Mortensen, B., Aarøe, J., Dalsgaard, D., Hansen, J. B., Juul, S., & Rasmussen, K. (1995). The prognostic value of exercise testing early after myocardial infarction in patients treated with thrombolytics. *European Heart Journal*, *16*(9), 1177-1180. <http://eurheartj.oxfordjournals.org/content/16/9/1177.abstract>

Nielsen, J., Sinkjær, T., Toft, E., & Kagamihara, Y. (1994). Segmental reflexes and ankle joint stiffness during co-contraction of antagonistic ankle muscles in man. *Experimental Brain Research*, *102*(2), 350-358. <https://doi.org/10.1007/BF00227521>

Christensen, I., Toft, E., Landsfeldt, U. S., Jensen, P., & Rasmussen, K. (1993). Kardiale begivenheder efter streptokinaesebehandlet myokardieinfarkt: den prognostiske værdi af symptomlimeret arbejds-ekg på syvendedagen. *Ugeskrift for læger*, *155*(10), 722-725.

Sinkjær, T., Toft, E., Larsen, K., & Andreassen, S. (1993). EMG-torque dynamics at different contraction levels in human ankle muscles. *Journal of Electromyography & Kinesiology*, *3*(2), 67-77. [https://doi.org/10.1016/1050-6411\(93\)90001-D](https://doi.org/10.1016/1050-6411(93)90001-D)

Sinkjær, T., Toft, E., Larsen, K., Andreassen, S., & Hansen, H. J. (1993). Non-reflex and reflex mediated ankle joint stiffness in multiple sclerosis patients with spasticity. *Muscle & Nerve*, *16*(1), 69-76. <https://doi.org/10.1002/mus.880160112>

Toft, E., & Sinkjær, T. (1993). H-reflex changes during contractions of the ankle extensors in spastic patients. *Acta Neurologica Scandinavica*, *88*(5), 327-333. <https://doi.org/10.1111/j.1600-0404.1993.tb05352.x>

Toft, E., Sinkjær, T., Andreassen, S., & Hansen, H. J. (1993). Stretch responses to ankle rotation in multiple sclerosis patients with spasticity. *Electroencephalography and Clinical Neurophysiology*, *89*(5), 311-318. [https://doi.org/10.1016/0168-5597\(93\)90070-6](https://doi.org/10.1016/0168-5597(93)90070-6)

Arendt-Nielsen, L., Gregersen, H., Toft, E., & Bjerring, P. (1991). Involvement of thin afferents in carpal tunnel syndrome: evaluated quantitatively by argon laser stimulation. *Muscle & Nerve*, *14*(6), 508-514. <https://doi.org/10.1002/mus.880140604>

Toft, E., Vyberg, M., & Therkelsen, K. (1991). Diltiazem-induced granulomatous hepatitis. *Histopathology*, *18*(5), 474-475. <https://doi.org/10.1111/j.1365-2559.1991.tb00882.x>

Toft, E., Sinkjær, T., Andreassen, S., & Larsen, K. (1991). Mechanical and electromyographic responses to stretch of the human ankle extensors. *Journal of Neurophysiology*, *65*(6), 1402-1410. <http://jn.physiology.org/content/65/6/1402.full.pdf+html>

Toft, E., Sinkjær, T., & Rasmussen, A. (1991). Stretch reflex variation in the relaxed and the pre-activated quadriceps muscle of normal humans. *Acta Neurologica Scandinavica*, *84*(4), 311-315. <https://doi.org/10.1111/j.1600-0404.1991.tb04960.x>

Andersen, T., Jørgensen, P. J., Toft, E., Nielsen, L. K., & Hansen, K. N. (1990). Rapid estimation of serum myoglobin concentration during rhabdomyolysis with a latex-agglutination test (Rapi-Test). *Acta Chirurgica Scandinavica*, *156*(8), 515-519.

Espersen, G. T., Elbæk, A., Ernst, E., Toft, E., Kaalund, S., Jersild, C., & Grønnet, N. (1990). Effect of physical exercise on cytokines and lymphocyte subpopulations in human peripheral blood. *Acta Pathologica Microbiologica et Immunologica Scandinavica*, *98*(5), 395-400. <https://doi.org/10.1111/j.1699-0463.1990.tb01049.x>

Toft, E., Ernst, E., Espersen, G. T., & Kaalund, S. (1990). Plasma atrial natriuretic peptide in elite runners. *International Journal of Sports Medicine*, *11*(3), 215-217. <https://doi.org/10.1055/s-2007-1024794>

Andersen, P. T., Nielsen, L. K., Hansen, A. K., Toft, E., & Jensen, B. V. (1989). Serum and urinary phosphate during and after prolonged muscular ischaemia in non-exercising men and women. *Journal of Internal Medicine*, *226*(3), 149-155.

Kaalund, S., Espersen, G., Toft, E., Sinkjær, T., & Schmidt-Olsen, S. (1989). Strækøvelser (stretching) i relation til idræt og skadeforebyggelse. *Ugeskrift for læger*, *151*, 672-673.

Toft, E., Sinkjær, T., Kaalund, S., & Espersen, G. T. (1989). Biomechanical properties of the human ankle in relation to passive stretch. *Journal of Biomechanics*, *22*, 1129-1132. [https://doi.org/10.1016/0021-9290\(89\)90214-5](https://doi.org/10.1016/0021-9290(89)90214-5)

Toft, E., Sinkjær, T., & Andreassen, S. (1989). Mechanical and electromyographic responses to stretch of the human anterior tibial muscle at different levels of contraction. *Experimental Brain Research*, *74*, 213-219. <https://doi.org/10.1007/BF00248294>

Toft, E., Espersen, G. T., Kaalund, S., Sinkjær, T., & Hornemann, B. C. (1989). Passive tension of the ankle before and after stretching. *The American Journal of Sports Medicine*, *17*(4), 489-494. <https://doi.org/Passive tension of the ankle before and after stretching>

Jensen, I. W., Stentoft, J., Toft, E., & Faber, J. (1988). Familiær dysalbuminæmisk hypertyrosinæmi: en diagnostisk faldgrube. *Ugeskrift for læger*, 150(37), 2178-2180.

Sinkjær, T., Toft, E., Andreassen, S., & Hornemann, B. C. (1988). Muscle stiffness in human ankle dorsiflexors: intrinsic and reflex components. *Journal of Neurophysiology*, 60(3), 1110-1121. <http://jn.physiology.org/content/60/3/1110.short>

Toft, E., Bladt, J. S., & Andersen, P. T. (1988). False-negative latex-agglutination test for myoglobin owing to antigen excess. *Clinical Chemistry*, 34(1), 177. <http://www.clinchem.org/cgi/reprint/34/1/177/a>

Toft, E., & Kristensen, O. K. (1988). Ménétrier's sygdom behandlet med pirenzepin. *Ugeskrift for læger*, 150(6), 356-358.

Espersen, G. T., & Toft, E. (1987). Pyomyositis. *Ugeskrift for Laeger*, 149(47), 3186-3187.