

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., & 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), Artikel 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), Artikel 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), Artikel e4820. <https://doi.org/10.1097/MD.0000000000004820>

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>

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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. *I E E E Transactions on Biomedical Engineering*, 62(11), 2611-2619. Artikel 7105874. <https://doi.org/10.1109/TBME.2015.2432129>
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- 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>
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- 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>

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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>

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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>

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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>

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