

CURRICULUM VITAE – Professor Jens Cosedis Nielsen

Personal data

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Education and previous positions

2011-2021 Professor of Electrophysiology, Aarhus University (AU)
2008-2011 Associate Professor, Health, AU
2007/Jan8 Doctoral thesis, AU: *Pacing mode selection in patients with sick sinus syndrome*
2005/Apr1 Specialist in Cardiovascular Diseases
2004-2005 Education in invasive electrophysiology, Department of Electrophysiology, Herzzentrum Leipzig, Germany
2000/Jun6 PhD thesis, AU: *Optimal pacing mode in patients with sick sinus syndrome. On the consequences of implanting a ventricular lead*
1996-1999 Fellow, Department of Cardiology, AUH (grant from the Faculty of Health Sciences, AU)
1992-2004 Clinical education in internal medicine and cardiology, County Hospital of Viborg, University Hospital Aalborg and Department of Cardiology, AUH
1991/Jan24 Graduate as a medical doctor from AU, Denmark

Current positions

2021- Professor of Cardiology, Department of Clinical Medicine, AU
2021- Chair, Department of Cardiology, AUH

Positions of Trust

2026- Member of EHRA Nominating Committee
2022-2026 Co-chairman for EHRA Scientific Documents Committee
2020-2024 Member of ESC Clinical Practice Guidelines Committee (2 x two-year period)
2020-2022 Chair of the National Working Group on Arrhythmia, Danish Society of Cardiology (DCS)
2018-2020 Chairman for EHRA Task Force on Remote Monitoring of Cardiac Implanted Electronic Devices
2018-2020 Member of European Society of Cardiology (ESC) Congress Programme Committee
2015-2018 Chairman for EHRA Certification Committee
2012-2016 Member of Scientific and Clinical Documents Committee for Heart Rhythm Society (HRS)
2011-2015 Co-chairman for European Heart Rhythm Association (EHRA) Certification Committee

Honours and Awards

2017 Fellow of the European Heart Rhythm Society (FEHRA)
2016 The JCD Prize *Supervisor of the Year*, Faculty of Health, Aarhus University (DKK 25.000)
2016 Novo Nordisk Foundation, Clinician Scientist Fellowship grant (DKK 5.000.000)
2012 DCS Research Scientist Award (DKK 25.000)
2012 Fellow of the European Society of Cardiology (FESC)

Scientific focus

Main scientific focus is improving outcomes in patients with cardiac implanted electronic devices (CIEDs). Within this scope, we conduct studies on the effect of CRT in patients with heart failure and bundle branch block, treatment related complications and risk factors, efficacy of oral anticoagulation in patients with CIED and subclinical short episodes of atrial fibrillation, and on individualized risk stratification in primary prophylactic ICD treatment with respect to survival. In addition, we constantly strive to improve results in patients treated with catheter ablation for cardiac arrhythmias.

Research activity

Involved in scientific studies within the fields of invasive and non-invasive electrophysiology, cardiac arrhythmias and device therapy – pacemaker/implantable cardioverter defibrillator (ICD) – since 1995. Initiator and primary investigator in the randomised multicentre trial of AAIR vs. DDDR pacing in sick sinus syndrome (DANPACE), 1999-2010. Coordinating investigator in the international multicentre randomised trial of RFA vs. AAD in paroxysmal atrial fibrillation (MANTRA-PAF). Initiator of national collaborations on randomised trials of pacemaker treatment in patients with sick sinus syndrome (DANPACE-II) and targeted CRT-lead placement in patients with heart failure and prolonged QRS (DANISH-CRT). Investigator and National Coordinator in the AXAFA and ARTESiA randomised controlled trials.

International relations

Close collaboration with Charite, Berlin, Germany (Gerhard Hindricks and Nikos Dagres), Population Health Research Institute (PHRI), Hamilton, Canada (Jeff Healey), Hamburg and Birmingham Universities, Germany and UK (Paulus Kirchhof), Leiden University Medical Center, Holland (Katja Zeppenfeld), Cardiovascular Imaging Lab, University of California San Diego, USA (Elliott McVeigh), Dept. of Medical Imaging, St. Paul's Hospital, University of British Columbia, Vancouver, Canada (Jonathon Leipsic), and Cleveland Clinic, USA (Niraj Varma).

Publications – ORCID 0000-0001-9414-1653

>400 scientific papers in international journals + 8 English book chapters
H-index 70, citations 55622 (Scopus)

Supervision

Supervisor for 7 research year students, 13 master's degree students, 21 PhD students and three postdocs

Academic assessments

Assessor of 30 academic dissertations from national (21) and foreign (9) Universities.
Member of the Danish Heart Foundation's Biomedical Research Committee 2010-2014 (5 years).
Member of DCAcademy research committee 2021-2025