

Education

University of Copenhagen

PhD – Epidemiology, 2024 –

Master's degree – Medicine, 2021–2024

Bachelor's degree – Medicine, 2018–2021

Experience

2024 July –



PhD student, Health and Medical Sciences, University of Copenhagen & Section of Biostatistics & Herlev-Gentofte Hospital, Department of Cardiology

- *Explorative study on virtual and in-person follow-up for patients with cardiovascular disease*
 - Skills: Data management, data analysis, graphical illustrations using R studio, in particular data.table, targets and tidyverse.
- *Validation of visit type (virtual and in-person) register codes*
 - Skills: Creating RedCAP data base, medical chart review, approvals from legal department.
- *Seismic Heart - Seismocardiographic Monitoring of Heart failure*
 - Skills: Project organisation.
- Supervision of Master's student's thesis work
 - Skills: Supervision of writing, teaching programming in R, introducing Danish registers to a novice.

2021 October – 2024 June

Undergraduate Research Fellow, Gentofte Hospital, Department of Cardiology

- *Register based studies*
 - Skills: Experience with Danish registers, programming in R, scientific presentations, register based studies concerning drug safety, cardiopulmonary exercise testing, academic writing.
- *Clinical Research in Echocardiography*
 - Skills: Echocardiography, ECGs, drawing blood samples, data entry in RedCAP.

2023 January – 2023 July

Research Assistant, Rigshospitalet, Department of Rheumatology

- *Randomized Clinical Trial*
 - Skills: Echocardiography.

2021 March – 2022 January

Research Assistant, Hvidovre Hospital, Department of Infectious Diseases

- *ENFORCE study related to COVID-19*
 - Skills: Blood samples, patient recruitment, data entry.

ORCID link:

<https://orcid.org/0000-0002-3157-8468>

Publications

1. **Nielsen SK**, Holt A, Lamberts M, et al. *Pregnancy protection in women of childbearing age prescribed RAS inhibitors or statins: cohort study. Am J Med.* Published online July 13, 2025. doi:10.1016/j.amjmed.2025.06.043 (In Press, Journal Pre-proof)
2. **Nielsen SK**, Lamberts M, Nouhravesh N, et al. *Temporal trend of first-line drug choice and treatment continuity for hypertension among citizens 75 years or over - a register-based, cohort study. International Journal of Cardiology.* 2024;408. doi:10.1016/j.ijcard.2024.132137
3. **Nielsen SK**, Nouhravesh N, Jensen MH, Jensen RFG, Klein MF, Saghir Z, Nielsen D, Schou M, Lamberts M. The Validity of a New *Procedure-Based Definition of Cancer Status in Patients with Breast-, Lung- and Colorectal Cancer in the Danish National Patient Registry. Clin Epidemiol.* 2023
4. Holt A, Strange JE, Nouhravesh N, **Nielsen SK**, Malik ME, Schjerning, AM, Køber L, Torp-Pedersen C, Gislason GH, McGettigan P, Schou M, Lamberts M. *Heart Failure Following Anti-Inflammatory Medications in Patients With Type 2 Diabetes Mellitus. J Am Coll Cardiol.* 2023
5. Nouhravesh N, Strange JE, Holt A, Tønnesen J, Andersen CF, **Nielsen SK**, Køber L, Mentz RJ, Nielsen D, Fosbøl EL, Lamberts M, Schou M. *Patient mortality following new-onset heart failure stratified by cancer type and status. Eur J Heart Fail.* 2023
6. Holt A, Nouhravesh N, Strange JE, **Nielsen SK**, Schjerning AM, Vibe Rasmussen P, Torp-Pedersen C, Gislason GH, Schou M, McGettigan P, Lamberts M. *Cannabis for chronic pain: cardiovascular safety in a nationwide Danish study. European Heart Journal.* 2024
7. Holt, A.; Strange, J. E.; Rasmussen, P. V.; Nouhravesh, N.; **Nielsen, S. K.**; Sindet-Pedersen, C.; Fosbøl, E. L.; Køber, L.; Torp-Pedersen, C.; Gislason, G. H.; McGettigan, P.; Schou, M.; Lamberts, M. Long-Term Cardiovascular Risk Associated With Treatment of Attention-Deficit/Hyperactivity Disorder in Adults. *Journal of the American College of Cardiology.* 2024;83(19):1870-1882. doi:10.1016/j.jacc.2024.03.375
8. Nouhravesh, N.; Strange, J. E.; Sindet-Pedersen, C.; Holt, A.; Tønnesen, J.; Andersen, C. F.; **Nielsen, S. K.**; Grove, E. L.; Nielsen, D.; Schou, M.; Lamberts. Impact of breast-, gastrointestinal-, and lung cancer on prognosis in patients with

first-time pulmonary embolism: A Danish nationwide cohort study. ***International Journal of Cardiology***. 2024;406. doi:10.1016/j.ijcard.2024.132001

9. Hashiba M, Rasmussen TB, Lamberts MK, **Nielsen SK**, Risom SS. *Validation of the Danish translation of the atrial fibrillation severity scale: a study on linguistic and cultural adaptation*. ***Health Qual Life Outcomes***. 2025;23(1):36. doi:10.1186/s12955-025-02362-2

Presentations

International congresses

1. Temporal trends of first time antihypertensive treatment among citizens over 75 years - a register-based, cohort study. Moderated poster presentation at ESC Congress 2023 in Amsterdam
2. Long-term risk of cardiovascular side-effects following attention-deficit hyperactivity disorder treatment with sympathomimetic amines. Moderated poster presentation at ESC Congress 2023 in Amsterdam.
3. Pregnancy protection in women of child-bearing age prescribed ACE inhibitors, ARBs or statins - A nationwide cohort study. Moderated poster presentation at ESC Congress 2024 in London.
4. Virtual and in-person consultations for patients diagnosed with atrial fibrillation (AF) or heart failure (HF): a cohort study. Poster at Nordic-Baltic Congress of Cardiology 2025 in Copenhagen.

National presentations

5. Tidsmæssig udvikling af første gangs behandling af hypertension hos borgere over 75 år - et registerbaseret kohortestudie. Poster Danish Cardiovascular Society annual meeting 2023 in Nyborg.
6. Brugen af prævention blandt kvinder i den fertile alder på ACE inhibitorer, ARBs og statiner. Poster Danish Cardiovascular Society annual meeting 2023 in Nyborg.

Other presentations

7. Pregnancy protection in women of child-bearing age prescribed ACE inhibitors, ARBs or statins - A nationwide cohort study. Presentation at "Pregnancy and Lactation European Medicines Agency Community meeting" in 2025 online.