

CURRICULUM VITAE, October, 2022

Mads Hornum
Copenhagen University Hospital-Rigshospitalet
Research Laboratory for Medical Kidney Diseases
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Education and Work

Chair Professor of Nephrology, University of Copenhagen	2022-present
Head of Research Laboratory for Medical Kidney Diseases, Rigshospitalet	2021-present
Associate Clinical Research Professor, University of Copenhagen	2017-22
Consultant, Department of Nephrology, Rigshospitalet	2017-present
Staff Specialist, Department of Nephrology, Rigshospitalet	2015-2017
Specialist in Internal Medicine and Nephrology	2015
Registrar, Specialist Registrar	2010-2014
PhD, University of Copenhagen	2010
Candidate of Medicine (MD), University of Copenhagen	2001

My research group has been focusing on:

Clinical research in chronic kidney diseases (CKD), acute kidney injury (AKI) and solid organ transplantation, epidemiology, pathophysiological mechanisms, prediction, prevention, diagnostics and biomarkers. Monitoring and treatment of CKD and AKI has our special interest with special attention to diabetes and cardiovascular complications. Another focus is gastrointestinal hormones, bile acids and liver metabolism in persons with CKD and diabetes, and glucose/arrhythmia/blood volume monitoring of diabetic and non-diabetic persons with CKD stage 3-5 or receiving dialysis treatment; Frailty and medication compliance of persons undergoing chronic haemodialysis is also studied. Animal studies of renal physiology and role of NAD⁺ in AKI is also performed in our own and collaborative animal laboratory. Molecular biology studies of healthy and aging kidney tissue and diseased kidney tissue is an emerging area of research.

- 92 scientific papers in international scientific journals, 2 book chapters, Web of Science H-index 17.
- Investigator in 15 clinical trials including several (FIND CKD, ACTION 3) as National Lead Investigator.
- Reviewer for many journals including the Lancet, the Journal of Endocrinology and Metabolism, the American Journal of Transplantation, the British Medical Journal Open, the Kidney International, the CJASN, the NDT, the Diabetes Care (PubMed).
- Abstracts and presentations >100 national and international abstracts and presentations.
- Several awards including the Mommsen Prize by the Danish Society of Nephrology and fellow of European Renal Association 2017 and Chairman of Diabetes Working Group, ERA.
- Primary and co-supervisor for seven completed PhDs and three ongoing PhDs at the University of Copenhagen. Opponent for 3 PhD in Norway, Spain and Denmark and chairman for 1 PhD defence in 2023. Clinical mentor for an accepted BRIDGE Project 2022-24 and holder of a Horizon EU Twinning Grant for the DOKI Project from 2023-2025.
- ORCID <https://orcid.org/0000-0002-0123-4007>.