



INVITATION – PHD DEFENCE

THORSTEN KAMLARCZYK RASMUSSEN, MD

“Small fiber neuropathy: Clinical and physiological characteristics with focus on adrenergic dysfunction”

Friday 1 April 2022 at 14.00

In Auditorium J116-113, Entrance J, Aarhus University Hospital, Palle Juul-Jensens Boulevard 165, 8200 Aarhus N

The defence is public, in English and expected to last 2 hours.
Following the defence there will be a reception.



Assessment committee

- Consultant, Associate Professor Erisela Qerama Montvilas (chairman and moderator of the defence)
Department of Clinical Neurophysiology, Aarhus University Hospital, Denmark
- Consultant, Associate Professor Martin Ballegaard
Department of Clinical Medicine, Neurology, University of Copenhagen, Denmark
- Professor of Internal Medicine Metabolism, Endocrinology and Diabetes Rodica Pop-Busui
University of Michigan, Ann Arbor, USA

Supervisors

- Professor Nanna Brix Finnerup
The Danish Pain Research Center, Department of Clinical Medicine, Aarhus University
- Associate Professor Páll Karlsson
The Danish Pain Research Center, Department of Clinical Medicine, Aarhus University
- Associate Professor John Hansen
Department of Health Science and Technology, The Faculty of Medicine, Aalborg University
- Consultant, associate professor Astrid Juhl Terkelsen (main supervisor)
Department of Neurology, Aarhus University Hospital & DPRC, Aarhus University



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HEALTH - DEPARTMENT OF CLINICAL MEDICINE
IDNC & Department of Neurology



PRESS RELEASE

Thorsten Kamlarczyk Rasmussen, MD, from The Danish Pain Research Center, Department of Clinical Medicine, will defend his PhD thesis titled "Small fiber neuropathy: Clinical and physiological characteristics with focus on adrenergic dysfunction" at 14.00 on 1st April 2022. The defence is in English and will last approximately 2 hours.

PRESS RELEASE

Autonomic neuropathy in small fiber neuropathy and type 2 diabetes

The autonomic nervous system is part of the peripheral nervous system responsible for controlling the internal organs and maintaining body homeostasis. The autonomic nervous system is typically divided into two antagonistic branches based on their clinical function – the parasympathetic branch responsible for the “rest-and-digest”-response, and the sympathetic branch responsible for the “fight-and-flight”-response. Damage of the autonomic nerve fibers is a common complication in patients with small fiber neuropathy, although typically only investigated through assessment of the parasympathetic nerve fiber function. Therefore, little is known about the extent of especially sympathetic dysfunction in these conditions.

In this PhD project advanced methods were investigated for their applicability in assessing sympathetic dysfunction in patients with type 2 diabetes and in patients with known small fiber neuropathy. Additionally, we investigated the extent of sympathetic dysfunction in patients with type 2 diabetes. The project was carried out by Thorsten Kamlarczyk Rasmussen, who is defending his dissertation on 1/4.

The defence is public and takes place on April 1. 2022 at 14.00 in Auditorium J116-113, Entrance J, Aarhus University Hospital, Palle Juul-Jensens Boulevard 165, 8200 Aarhus N.

The title of the project is "Small fiber neuropathy: Clinical and physiological characteristics with focus on adrenergic dysfunction".

For more information, please contact PhD student Thorsten Kamlarczyk Rasmussen

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PRESSEMEDDELELSE

Ph.d.-forsvar, Thorsten Kamlarczyk Rasmussen, læge, fra Dansk Smerteforskningscenter, Institut for Klinisk Medicin, vil forsvare hans ph.d.-afhandling med titlen "Small fiber neuropathy: Clinical and physiological characteristics with focus on adrenergic dysfunction" den 1. april 2021 kl. 14.00. Forsvaret er på engelsk og vil cirka vare 2 timer.

PRESSEMEDDELELSE

Autonom neuropati ved småfiberneuropati og type 2 diabetes

Det autonome nervesystem er den del af det perifere nervesystem, der kontrollerer de indre organer og er ansvarlig for at opretholde kroppens homeostase. Det autonome nervesystem er typisk opdelt i to antagonistiske grene baseret på deres kliniske funktion - den parasympatiske gren, der er ansvarlig for kroppens "rest-and-digest"-respons, og den sympatiske gren, der er ansvarlig for "fight-and-flight"-responsen. Beskadigelse af de autonome nervefibre er en almindelig komplikation hos patienter med småfiberneuropati, der dog typisk kun undersøges gennem vurdering af den parasympatiske nervefiberfunktion. Der er derfor begrænset viden om omfanget af dysfunktion af den sympatiske gren i det autonome nervesystem, hos patienter med småfiber nerveskade.

I dette ph.d.-projekt undersøgte vi anvendeligheden af avancerede metoder til at vurdere sympatisk dysfunktion hos patienter med type 2-diabetes og hos patienter med kendt småfiberneuropati. Derudover undersøgte vi omfanget af sympatisk dysfunktion hos patienter med type 2-diabetes. Resultaterne er sammenfattet i et nyt ph.d.-projekt fra Aarhus Universitet, Health.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 1. april 2022 kl. 14.00 i Auditorium J116-113, Indgang J, Aarhus Universitetshospital, Palle Juul-Jensens Boulevard 165, 8200 Aarhus N.

Titlen på projektet er "Small fiber neuropathy: Clinical and physiological characteristics with focus on adrenergic dysfunction".

Yderligere oplysninger: Ph.d.-studerende Thorsten Kamlarczyk Rasmussen

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