

Program

Research seminar 6th of May 2025

Non-pharmacological rehabilitation research and
Parkinsons disease

*The Danish Knowledge- and Competence Center for Rehabilitation for People with
Parkinsons disease*

PARKINSON
foreningen



Sano



Purpose

The research seminar aims to present research findings within non-pharmacological rehabilitation research and Parkinson's disease. The seminar provides researchers the opportunity to share their research, exchange knowledge, and establish networks. Furthermore, the seminar aims to outline recommendations and inspiration for further research and development in Parkinson's rehabilitation.

Intended audience

- Rehabilitation researchers with an interest in Parkinson's disease
- Others interested in non-pharmacological rehabilitation research and Parkinson's disease

Language

The seminar will be held in English.

Practical information

Address

Auditorium O100, Level 1 Building 34.1, University of Southern Denmark (SDU), Campusvej 55, 5230 Odense M

For precise location:

<https://clients.mapsindoors.com/sdu/573f26e4bc1f571b08094312/details/563cb921423b7d0540c9a48b>

Parking

Parking in the parking areas at SDU on Campusvej is free of charge. See the attached map of the campus and parking areas. For directions and parking regulations, see here: <https://www.sdu.dk/da/service/vejviser>

Public transport

The light rail stop *Campus Odense* is located close to the entrance of the auditorium building.

Organizers

The Danish Knowledge and Competence Center for Rehabilitation of People with Parkinson's Disease (Sano and the Danish Parkinson's Association). The working group behind the seminar consists of Jette Thuesen – Associate Professor, Ph.D., Merete Tonnesen – Anthropologist, Ph.D., Ernst Albin Hansen – Professor, Ph.D., Dr. Scient., Dorte Melgaard – Senior Researcher, Ph.D., Annemette Løkkegaard – Neurologist and Chief Physician, Frederik Bonde – Ph.D. Student, Cecilie Thue – Ph.D. Student

Program

9:15 – 9:45 am	Arrival, registration, coffee and light breakfast
9:45 – 10 am	Welcome by The Danish Knowledge and Competence Center for Rehabilitation of People with Parkinson's Disease, Health Consultant Malaika Lange and Project Manager Vibeke Grønlund.

Session 1 - Keynote

Chair: *Jette Thuesen*

10 – 10:50 am	International perspectives of parkinson rehabilitation Jennifer Goldman, MD, MS, Chicago ¹
10:50 – 11 am	Preparation for next session

Session 2 - Parkinson's and everyday living

Chair: *Katrine Sværke, co-chair Dorte Melgaard*

11 – 11:15 am	Relative Hope, Relative Care - Parkinson's disease carers on hope and evolving care by Merete Tonnesen, Department of Public Health, Aarhus University, Aarhus, Denmark; DEFACTUM, Central Denmark Region, Aarhus, Denmark
11:15 – 11:30 am	Non-pharmacological Rehabilitation for People Living with Advanced Parkinson Disease: A Scoping Review of Interventions by Jette Thuesen, Associate Professor, REHPA, Knowledge Center for Rehabilitation and Palliative care
11:30 – 11:45 am	Non-Pharmacological Interventions for Cognitive Impairments in Parkinson's Disease: An Umbrella Review by Jana Mortensen, Ph.D. student, University of the Faroe Islands

11:45 am – 12:45 pm **LUNCH**

Session 3 – Physical activity and Parkinson's

Chair: *Ernst Albin Hansen, co-chair Jakob Frederiksen*

12:45 – 1 pm	The impact of physical activity and exercise participation in early Parkinson's disease by Frederik Bonde Jensen, MS, Exercise Biology, Department of Public Health, AU
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¹ Dr. Jennifer G. Goldman, MD, MS, is a fellowship-trained neurologist specializing in Movement Disorders with specialty certification in Behavioral Neurology and Neuropsychiatry. She has dedicated her career to Parkinson's disease, Lewy body dementia, and other movement-cognitive disorders and has published over 100 articles. Her work focuses particularly on improving our recognition, treatment, and understanding of their non-motor and neuropsychiatric aspects. Dr. Goldman is a longstanding advocate for multidisciplinary care and the integration of rehabilitation into treatment plans.

- 1 – 1:15 pm Efficacy of aerobic exercise on brain MRI measures in Parkinson's disease by Martin Langeskov, Associate Professor at Department of Clinical Medicine - Neurology, Viborg at Aarhus University
- 1:15 – 1:30 pm Parkinson's disease and voluntary walking – a systematic review and meta-analysis by Frederik Bonde Jensen, MS, Exercise Biology, Department of Public Health, AU
- 1:30 – 1:45 BREAK**
- Chair: Martin Langeskov, co-chair Frederik Bonde Jensen***
- 1:45 – 2 pm High-intensity aerobic exercise increases brain synaptic SV2A protein density and striatal frontal connectivity in Parkinson disease patients: A PET-MRI study by Caroline C Real, Department of Nuclear Medicine and PET Center, Aarhus University Hospital, Aarhus, Denmark
- 2 – 2:15 pm Mapping the correlation of everyday physical activity with motor and non-motor symptoms in Parkinsons disease by Jakob Frederiksen, Ph.D. Student, Movement disorder Clinic, Department of Neurology, Copenhagen University Hospital – Rigshospitalet, Glostrup,
- 2:15 – 2:30 pm Unlocking the pleasurable urge to move to music in people with Parkinson's disease through rhythm and social connection by Victor Pando-Naude, Center for Music in the Brain, Department of Clinical Medicine, AU

Session 4 – Poster session with coffee and cake

- 2:30 – 3:15 pm Supporting family caregivers of people living with Parkinson's disease: Protocol for a complex intervention by Louise Buus Vester, MScN, Associate Professor, Research Assistant, Nursing Education, VIA University College, Randers & Research Center for Care and Rehabilitation, VIA University College, Aarhus & Center for Research in Health and Nursing, Regional Hospital Central Jutland and VIA University College.
- Parkinson's Disease and Cognitive Impairments – Everyday Life and Formal and Informal Support in Rural Areas (PARKLAND) by Margrethe Skovbjerg, REHPA, The Danish Knowledge Center for Rehabilitation and Palliative Care, Region of Southern Denmark and University of Southern Denmark.
- Transcranial magnetic stimulation evoked potentials used to assess pain and gait symptoms in persons with Parkinson's disease: a protocol by Margit Midtgaard Bach, Center for Neuroplasticity and Pain (CNAP), Department of Health Science and Technology, Faculty of Medicine, Aalborg Universitet, Aalborg, Denmark

Closing reflections

- 3:15 – 3:45 pm Panel Discussion with Perspectives on Future Rehabilitation Research by Jennifer Goldman, Jette Thuesen and Ulrik Dalgas
- 3:45 – 4 pm Thank you and goodbye by The Danish Knowledge and Competence Center for Rehabilitation of People with Parkinson's Disease, Health Consultant Malaika Lange and Project Manager Vibeke Grønlund