



INVITATION – PHD DEFENCE

MICHAEL NØRREGAARD VINKEL, MD

“Pain and sensory function in children and youth with cerebral palsy”

Thursday January 19, 2023, at 12.00

In Auditorium C114-101, Entrance C, Aarhus University Hospital, Palle Juul-Jensens Boulevard 165, 8200 Aarhus N

The defence is public, in English and expected to last 2 hours.
After the defence, Danish Pain Research Center will host a reception.



Assessment committee

- Professor Charlotte Ulrikka Rask (chairman and moderator of the defence), Department of Child and Adolescent Psychiatry, Aarhus University Hospital and Department of Clinical Medicine, Aarhus University, Denmark
- Professor Ruth Defrin, Department of Physical Therapy, School of Health Professions, Sackler Faculty of Medicine, Tel Aviv University, Israel (online)
- Professor Christina Høi-Hansen, Department of Neuropaediatrics, Copenhagen University Hospital and Department of Clinical Medicine, University of Copenhagen, Denmark

Supervisors

- Professor Nanna Brix Finnerup (Main Supervisor)
The Danish Pain Research Center, Department of Clinical Medicine, Aarhus University
- Consultant, Associate Professor Gija Rackauskaite, The Danish Pain Research Center, Aarhus University and Department of Paediatrics and Adolescent Medicine, Aarhus University Hospital
- Consultant, associate professor Astrid Juhl Terkelsen, The Danish Pain Research Center, Aarhus University and Department of Neurology, Aarhus University Hospital
- Professor John Rosendahl Østergaard, Department of Paediatrics and Adolescent Medicine, Aarhus University Hospital



AARHUS
UNIVERSITY

HEALTH – DEPARTMENT OF CLINICAL MEDICINE
IDNC & Department of Neurology



PRESS RELEASE

Michael Nørregaard Vinkel, MD, from The Danish Pain Research Center, Department of Clinical Medicine, will defend his PhD thesis titled "Pain and sensory function in children and youth with cerebral palsy" at 12.00 on January 19, 2023. The defence is in English and will last approximately 2 hours.

PRESS RELEASE

Cerebral palsy (CP) is a group of permanent movement disorders caused by injury to the developing brain. Clinical features may include increased muscle tone or involuntary movements. Pain is prevalent in people with CP and common causes include pain secondary to increased muscle tone, contractures and joint displacement. Such causes of pain are nociceptive in origin, meaning that pain arises due to the activation of nociceptors. In contrast to nociceptive pain; neuropathic pain is caused by a lesion or disease of the somatosensory nervous system and is often associated with sensory disturbances. The presence of central neuropathic pain in people with CP remains unknown. The prevalence of neuropathic pain and sensory disturbances is examined in a new Ph.D. project from Aarhus University, Health. Furthermore, the effects of pain coping strategies and patterns of catastrophizing on pains impact on quality of life are examined. The project was carried out by Michael Nørregaard Vinkel, who is defending his dissertation on January 19, 2023.

The defence is public and takes place on January 19, 2023, at 12.00 in Auditorium C114-101, Entrance C, Aarhus University Hospital, Palle Juul-Jensens Boulevard 165, 8200 Aarhus N

The title of the project is *"Pain and sensory function in children and youth with cerebral palsy"*.

For more information, please contact PhD student Michael Nørregaard Vinkel

Email: mvinkel@clin.au.dk



PRESSEMEDDELELSE

Ph.d.-forsvar, Michael Nørregaard Vinkel, læge, fra Dansk Smerteforskningscenter, Institut for Klinisk Medicin, vil forsvare sin ph.d.-afhandling med titlen "Pain and sensory function in children and youth with cerebral palsy" den 19. januar 2023 kl. 12.00. Forsvaret er på engelsk og vil cirka vare 2 timer.

PRESSEMEDDELELSE

Cerebral parese (CP) betegner en række livslange bevægehandicap, som skyldes tidlig hjerneskade, og som ofte viser sig som øget muskelspænding eller ufrivillige bevægelser. Smerter forekommer hyppigt hos personer med CP og skyldes ofte den øgede muskeltonus eller kontrakturer. Sådanne smerter betegnes som nociceptive fordi de opstår ved aktivering af nociceptorer (smertereceptorer). Nociceptive smerter står i kontrast til smertetyper neuropatiske smerter, som skyldes en skade på selve nervesystemet, og som ofte ses sammen med føleforstyrrelser. Det er uvist om nogle af de smerter, som ses hos personer med CP er neuropatiske og opstår på baggrund af hjerneskaden. I et nyt ph.d.-projekt fra Aarhus Universitet, Health, undersøges forekomsten af neuropatiske smerter og føleforstyrrelser hos unge med CP. Derudover undersøges betydningen af smertehåndtering og katastrofetænkning for smerters effekt på livskvalitet hos personer med CP. Projektet er gennemført af Michael Nørregaard Vinkel og forsvares den 19. januar 2023.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 19. januar 2023 kl. 12.00 i auditorium C114-101, indgang C, Aarhus Universitets Hospital, Palle Juul-Jensens Boulevard 165, 8200 Aarhus N

Titlen på projektet er *"Pain and sensory function in children and youth with cerebral palsy"*.

Yderligere oplysninger: Ph.d.-studerende Michael Nørregaard Vinkel

Mail: mvinkel@clin.au.dk