

Press release

Please fill in this form and return it to graduateschoolhealth@au.dk in Word format no later than three weeks prior to your defence.

Basic information

Name: Caroline Marie Andreasen

Email: carand@rm.dk Phone: 4054 9145

Department of: Clinical Medicine

Main supervisor: Professor Ellen-Margrethe Hauge

Title of dissertation:

Chronic Non-bacterial Osteomyelitis in Children and Adults - Effects of Pamidronate Treatment

Date for defence: 27th of June 2019 at (time of day): 15.00 Place: Auditorium B G206-142, indgang G, Palle Juul Jensens Boulevard, 8200 Aarhus N

Press release (Danish)

Kronisk ikke-bakteriel knoglebetændelse hos børn og voksne - Behandlings effekt af pamidronat

Kronisk ikke-bakteriel knoglebetændelse (CNO) er en sjælden betændelsestilstand i knoglevæv. Sygdommen kan ses hos både børn og voksne. Tilstanden forårsager smerter og funktionsnedsættelse i bevægeapparatet. Stoffet pamidronat har muligvis en sygdomsdæmpende effekt. Hvordan vi bedst måler ændringer i sygdomsaktivitet og hvorvidt stoffet pamidronat bør have en plads i den medicinske behandling af sygdommen, undersøges i et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af læge Caroline Marie Andreasen, der forsvare det d. 27. juni 2019.

Ph.d.-projektet baseres på et tværsnitsstudie, hvor 51 børn diagnosticeret med CNO blev undersøgt mht. sygdoms karakteristika, behandling og MR skanninger. Studiet viste at pamidronat kan bidrage til at nedsætte sygdomsaktivitet. Tilbagefald var dog hyppigt forekommende. Yderligere blev der lavet et lodtrækningsstudie, hvor 12 voksne med CNO modtog enten pamidronat eller placebo. Behandlingseffekten blev vurderet ved helkrops MR-skanninger, spørgeskemaer og blodprøver. Dette studie indikerede ligeledes, at pamidronat nedsætter sygdomsaktiviteten.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 27. juni 2019 kl. 15.00 i Auditorium B, G206-142, Aarhus Universitetshospital, Palle Juul-Jensens Boulevard, Aarhus N. Titlen på projektet er "Chronic Non-bacterial Osteomyelitis in Children and Adults - Effects of Pamidronate". Yderligere oplysninger: Ph.d.- studerende Caroline Marie Andreasen, e-mail: carand@rm.dk, tlf. 4054 9145.

Bedømmelsesudvalg:

Formand for bedømmelsesudvalget og moderator for forsvaret

Bente Jespersen

Professor, læge, DMSC

Afdeling for Nyresygdomme,

Aarhus Universitetshospital, Denmark

Athimalaipet V. Ramanan

Professor, læge

Bristol Royal Hospital for Children &

Royal National Hospital for Rheumatic Diseases, Bath

University of Bristol, UK

Susanne Juhl Pedersen

Seniorforsker, læge, PhD
Copenhagen Center for Arthritis Research (COPECARE),
Center for Rheumatology and Spine Diseases
Rigshospitalet Glostrup, Danmark

Press release (English)

Chronic Non-bacterial Osteomyelitis in Children and Adults - Effects of Pamidronate

Chronic non-bacterial osteomyelitis (CNO) is a rare inflammatory bone disease seen in children and adults. CNO causes pain and disability. Treatment with pamidronate is presumed to have a disease modifying effect. Methods to assess changes in disease activity and whether pamidronate treatment improves disease activity in CNO was investigated in a PhD project carried out by Caroline Marie Andreasen, who is defending her dissertation on 27th of June 2019.

The PhD project is based on a case series including 51 children diagnosed with CNO. Data on disease characteristics, treatments, symptoms and radiological disease activity assessed by MRI were investigated. The study suggests that pamidronate might improve disease activity; however, relapse was rather frequent. Secondly, 12 adults were investigated in a randomized placebo-controlled trial, receiving pamidronate or placebo. The effect of pamidronate was investigated in regard to bone inflammation assessed by whole-body magnetic resonance imaging, patient reported outcome and biomarkers in blood. The study indicated that pamidronate may reduce disease activity

The defence is public and takes place on 27th of June 2019 at 3:00 pm at Auditorium B, G206-142, Aarhus University Hospital, Palle Juul-Jensens Boulevard, Aarhus N. The title of the project is "Chronic Non-bacterial Osteomyelitis in Children and Adults - Effects of Pamidronate Treatment". For more information, please contact PhD student Caroline Marie Andreasen, email: carand@rm.dk, Phone +45 4054 9145.

Assessment committee:

Chairman
Bente Jespersen
Professor, MD, DMSC
Department of Renal Medicine,
Aarhus University Hospital, Denmark

Athimalaipet V. Ramanan
Professor, MD
Bristol Royal Hospital for Children, University of Bristol, UK &
Royal National Hospital for Rheumatic Diseases, Bath, UK

Susanne Juhl Pedersen
Senior researcher, MD, PhD
Copenhagen Center for Arthritis Research (COPECARE),
Center for Rheumatology and Spine Diseases
Rigshospitalet Glostrup, Denmark

Permission

By sending in this form:

- I hereby grant permission to publish the above Danish and English press releases.
- I confirm that I have been informed that any applicable inventions shall be treated confidentially and shall under no circumstances whatsoever be published, presented or mentioned prior to submission of a patent application, and that I have an obligation to inform my head of department and the university's Patents Committee if I believe I have made an

invention in connection with my work. I also confirm that I am not aware that publication violates any other possible holders of a copyright.