

Press release

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Basic information

Name: Anne Sophie Sølling Email: annesoe@rm.dk Phone: 22300524

Department of: Clinical Medicine

Main supervisor: Bente Langdahl

Title of dissertation: Long-term management of osteoporosis

Date for defence: 26.02.2012 at (time of day): 14.00 Place: Due to COVID-19, the defence will be held online via Zoom: <https://aarhusuniversity.zoom.us/j/61778829005>

Press release (Danish)
PhD forsvar

Læge, ph.d.-studerende Anne Sophie Sølling skal forsvare sin PhD med titlen "Langtidsbehandling af osteoporose" fra Aarhus Universitet, Health. Det overordnede formål med denne ph.d.-afhandling var at undersøge langtidsbehandling af osteoporose med fokus på behandlingsstop af lægemidlerne alendronat og denosumab.

Behandlingsstop med denosumab, er associeret med et hurtigt tab af knoglemineral, hvorfor en pause med denosumab ikke kan tilrådes. I et 2-årigt forskningsprojekt med 61 patienter undersøgte det, om behandling med lægemidlet zoledronsyre kan modvirke dette tab af knoglemineral. Forskningsprojektet viste, at behandling med zoledronsyre efter behandlingsophør med denosumab, ikke fuldstændig kan forhindre et tab af knoglemineral i ryg eller hofte.

Behandlingspause med alendronat kan overvejes efter 5 års behandling, såfremt der ikke har været nye knoglebrud under behandlingen og en knoglemineralskanning (DXA-skanning) viser bedring. I et 2-årigt forskningsprojekt med 142 patienter som stoppede alendronat undersøgte det, om knoglemarkører målt i blodprøver kan forudsige et knogletab efter 1 og 2 år. Projektet fandt ingen sammenhæng mellem ændring i knoglemarkørerne hos den enkelte og ændringen i knoglemasse.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 26/12 kl. 14. Grundet COVID-19 vil forsvaret blive afholdt online via Zoom: <https://aarhusuniversity.zoom.us/j/61778829005>

For yderligere oplysninger kontakt ph.d.-studerende Anne Sophie Sølling, e-mail: annesoe@rm.dk, tlf. 22300524.

Bedømmelsesudvalg:
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Hovedvejleder
Professor Bente Langdahl
Diabetes og Hormonsygdomme, Aarhus Universitetshospital

Press release (English)
PhD defence

MD, PhD-student Anne Sophie Sølling will defend her PhD dissertation with the title "Long-term management of osteoporosis" from Aarhus University, Health. The overall aim of the PhD dissertation was to investigate long-term management of osteoporosis with a focus on discontinuation of treatment with alendronate and denosumab.

Discontinuing denosumab is associated with a rapid bone loss, why treatment is considered to be lifelong. In a 2-year study including 61 patients it is investigated if treatment with zoledronate could prevent this bone loss. The study finds that treatment with zoledronate after discontinuation of denosumab is not able to completely prevent bone loss at the spine or hip.

It is clinical practice to consider alendronate discontinuation after 5 years in patients without any fractures during treatment and a DXA scan finds improvement. In a 2-year study with 142 patients discontinuing alendronate it is investigated if biochemical bone turnover markers could predict bone loss after 1 and 2 years. The project was not able to identify an algorithm predicting bone loss in the individual patient based on bone turnover markers.

The defence is public and takes place on 26/02 2021 at 14. Due to COVID-19, the defence will be held online via Zoom: <https://aarhusuniversity.zoom.us/j/61778829005>

For more information, please contact PhD student Anne Sophie, email: annesoeel@rm.dk, Phone +45 22300524.

Assessment committee:

Ass. Professor Anne Gitte Loft (chairman and moderator of the defence)
Rheumatology, Aarhus University Hospital

Professor Mattias Lorentzon
Geriatric Medicine, Institute of Medicine, Sahlgrenska Academy, Sahlgrenska University Hospital

Ass. Professor Pernille Hermann
Dept of Endocrinology, Odense University Hospital and University of Southern Denmark

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