

## Press release

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### Basic information

Name: Jens Bay Vegger      Email: [jbve@biomed.au.dk](mailto:jbve@biomed.au.dk) Phone: 28121759

Department of: Biomedicine

Main supervisor: Jesper Skovhus Thomsen

Title of dissertation: Disuse osteopenia induced by botulinum toxin in rodents - characterization and prevention

Date for defence: 23.11.2017 at (time of day): 10.00 Place: Det Blå Auditorium, Victor Albeck Bygningen

Press release (Danish)

Immobilisation-induceret knogletab med botulinum toksin i gnavere - karakterisering og forebyggelse

Et nyt ph.d.-projekt fra Aarhus Universitet, Health, har undersøgt hvorledes knogletabet ved immobilisation foregår og hvordan det kan forebygges ved hjælp af dyremodeller. Projektet er gennemført af Jens Bay Vegger, der forsvare det d. 23. november 2017.

Knogleskørhed har mange årsager og en af dem er immobilisation. Gennem dyremodeller har det været muligt at karakterisere dette knogletab, samt forsøge at forebygge det med medikamenterne teriparatid, zoledronsyre og pantoprazol. Ph.d.-projektet har fundet at et immobilisationsknogletab sker meget hurtigt, men at det er muligt at forebygge med specielt zoledronsyre og teriparatid.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 23. november 2017 kl. 10.00 i Det Blå Auditorium, Victor Albeck Bygningen, Aarhus Universitet, Vennelyst Boulevard 4, 8000 Aarhus C. Titlen på projektet er "Disuse osteopenia induced by botulinum toxin in rodents - characterization and prevention". Yderligere oplysninger: Ph.d.-studerende Jens Bay Vegger, e-mail: [jbve@biomed.au.dk](mailto:jbve@biomed.au.dk), tlf. 28121759.

Bedømmelsesudvalg:

Professor Daniel Chappard, Université Angers, Frankrig

Professor Moustapha Kassem, Syddansk Universitet

Professor Bente Lomholt Langdahl, Aarhus Universitet

Press release (English)

Disuse osteopenia induced by botulinum toxin in rodents - characterization and prevention

A new ph.d.-project from Aarhus University, Health, investigates how an immobilization-induced bone loss is characterized and how it might be prevented by medical treatment. The ph.d.-project found that the immobilization-induced bone loss is rapid and that it is possible to prevent it by treatment with zoledronic acid and teriparatid.

The project was carried out by Jens Bay Vegger, who is defending his dissertation on 23<sup>rd</sup> of November.

The defence is public and takes place on the 23<sup>rd</sup> of November at "Det Blå Auditorium" in Victor Albeck Building, Aarhus University, Vennelyst Boulevard 4, 8000 Aarhus C. The title of the project is "Disuse osteopenia induced by botulinum toxin in rodents - characterization and prevention. For

more information, please contact PhD student Jens Bay Vegger, email: [jbve@biomed.au.dk](mailto:jbve@biomed.au.dk), Phone +45 2812 1759.

Assessment committee:

Professor Daniel Chappard, Université Angers, France

Professor Moustapha Kassem, University of Southern Denmark

Professor Bente Lomholt Langdahl, Aarhus University

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