

Risskov 4. januar 2018

Pressemeddelelse

Mere end 1300 danskere blev i 2015 nødt til at få udskiftet deres hofteprotese. Den primære årsag til at patienterne skulle gennemgå en ny operation var, at hofteprotesen havde mistet sit fæste til den omgivende knogle.

Rasmus Cleemann har i sit ph.d.-projekt undersøgt metoder til at få den omgivende knogle til at vokse bedre fast til metal proteser. Specifikt undersøgte Rasmus Cleemann i en eksperimentel dyremodel om samtidig brug af en vækstfaktor der stimulerer dannelse af ny knogle og osteoporose medicin kunne opnå dette.

Resultaterne viser at det terapeutiske vindue for brug af dyre vækstfaktorer er endog meget smalt og at det kun er i udvalgte tilfælde at der potentielt vil være gavn af at bruge knogle stimulerende vækstfaktorer.

Forsvaret af ph.d.-projektet "Effect of combined anabolic and anti-catabolic therapy on initial implant fixation - Canine studies with BMP-2 and bisphosphonate" er offentligt og finder sted fredag d. 2. februar 2018 klokken 14 i lokale 1252-204 Edouard Biermann, Søauditorierne, Aarhus Universitet, Aarhus.

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Press release

More than 1300 persons underwent hip revision surgery in Denmark in 2015. The primary indication for revision surgery was that the hip prosthesis had come loose from the surrounding bone.

Rasmus Cleemann has during his ph.d. investigated methods to enhance bone ingrowth to metal prostheses. Using an experimental animal model, Rasmus Cleemann investigated if simultaneous treatment with a bone inducing growth factor and osteoporosis medicine could achieve this.

The results demonstrate that the therapeutic window for the use of costly growth factors is narrow and a benefit from bone stimulating growth factors is only obtainable in select cases.

The ph.d.-defence is public and takes place Friday the 2nd of February 2018 at 2 o'clock in room 1252-204 Edouard Biermann, Lakeside lecture theatres, Aarhus University, Aarhus. The title is "Effect of combined anabolic and anti-catabolic therapy on initial implant fixation - Canine studies with BMP-2 and bisphosphonate".

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