AARHUS UNIVERSITY

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: Anne-Birgitte Garm Blavnsfeldt Email: annebnie@rm.dk Phone: 28442953

Department of: Clinical Medicine

Main supervisor: Ellen-Margrethe Hauge

Title of dissertation: Axial and peripheral bone changes in Rheumatoid Arthritis

Date for defence: March 4 at (time of day): 10am Place: Due to Covid-19 related restrictions the defence will be held as a web defence via Zoom. To access the defence please contact Anne-Birgitte Blavnsfeldt on blavnsfeldt@clin.au.dk no later than 01/03 2021.

Press release (Danish)

Aksiale og perifere knogleforandringer hos patienter med leddegigt

Hvordan påvirkes knoglerne når man har leddegigt og behandles med binyrebarkhormon? Og kan en ny type høj-opløselig CT-scanner bruges både til at vurdere ledskade ved fremskreden gigtsygdom og til at karakterisere den generelle påvirkning af knoglevævet hos patienter med leddegigt? Dette er blandt de spørgsmål der undersøges i et nyt ph.d.-projekt fra Aarhus Universitet, Health. Projektet er gennemført af Anne-Birgitte Garm Blavnsfeldt, der forsvarer det d. 4/3. Patienter med leddegigt har øget risiko for knogleskørhed og knoglebrud. Dette skyldes bl.a. den inflammatoriske aktivitet, som i visse tilfælde behandles med binyrebarkhormon. I projektet præsenteres resultaterne af et systematisk review og meta-anlyse af randomiserede studier der undersøger konsekvensen af binyrebarkhormon for leddegigtpatienters knogletæthed. Endvidere præsenteres designet af et randomiseret multicenter studie der undersøger konsekvensen af ophør med behandling mod knogleskørhed hos patienter med leddegigt. Høj-opløselig perifer CT-scanning (HR-pQCT) er en relativt ny billeddiagnostisk metode, der hos patienter med leddegigt både kan visualisere ledskader i fingrenes knogled og analysere knoglestrukturen i underarmen. I projektet undersøges det bl.a. om evnen til at identificere ledskade påvirkes af graden af erosiv ledsygdom. Desuden sammenlignes HR-pQCT scanning af underarmen med konventionel måling af knogleminералtæthed, og det undersøges hvorledes leddegigt påvirker denne sammenhæng.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 4/3 kl. 10:00. Grundet COVID-19 vil forsvaret blive afholdt som et web forsvar via Zoom. For at deltage i forsvaret kontakt venligst Anne-Birgitte Blavnsfeldt på blavnsfeldt@clin.au.dk senest d. 01/03 2021. Titlen på projektet er ”Axial and peripheral bone changes in Rheumatoid Arthritis”. Yderligere oplysninger: Ph.d.-studerende Anne-Birgitte Garm Blavnsfeldt, e-mail: blavnsfeldt@clin.au.dk, tlf. 28442953 .

Bedømmelsesudvalg:

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Press release (English)

Axial and peripheral bone changes in Rheumatoid Arthritis

How does glucocorticoid treatment afect bone tissue in patients with rheumatoid arthritis? And does a new, high-resolution CT-scanner reliably identify joint damage independently of erosive joint disease as well as characterize the general effect of rheumatoid arthritis on bone? These and other questions are investigated in a new PhD-project. The project was carried out by Anne-Birgitte Garm Blavnsfeldt, who is defending her dissertation on 4/3.

Patients with rheumatoid arthritis are at increased risk of osteoporosis and fragility fractures. Part of this risk is due to systemic inflammation, which may be treated with glucocorticoid. In this PhD-projet we present a systematic leterature review and meta-analysis of randomized studies on glucocorticoid treatemnt and its effect on bone in patients with rheumatoid arthritis. The defence is public and takes place on 4/3 at 10 am. Due to Covid-19 related restrictions the defence will be held as a web defence via Zoom. To access the defence please contact Anne-Birgitte Blavnsfeldt on blavnsfeldt@clin.au.dk no later than 01/03 2021. The title of the project is "Axial and peripheral bone changes in Rheumatoid Arthritis". For more information, please contact PhD student Anne-Birgitte Garm Blavnsfeldt, email: annebnie@rm.dk, Phone +45 28442953.

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