



Cranfield

Defence and Security Doctoral Symposium

9 - 10 November 2022

...with
...to
...of
...with
...via
...phantom. Micro
...parameters, including bone volume
(BV/TV), trabecular thickness (Tb.Th) and
trabecular spacing (Tb.Sp) were calculated for
each 2mm slice. Volumetric bone mineral
density (vBMD) was calculated using vTMD
and BV/TV.

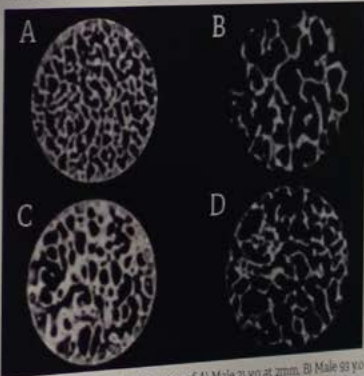


Figure 2: Cross sectional µCT images of A) Male 21 yo at 2mm, B) Male 93 yo at 2mm, C) Male 21 yo at 18mm, D) Male 93 yo at 18mm

Discussion

- The microarchitecture of the femoral head changes significantly with age and is dependent on sex and depth
- The subchondral bone is in direct contact with the basal layers of the articular cartilage and is therefore in a different biochemical and mechanical environment to the underlying bone [4]

In association with



Defence and Security Doctoral Symposium



Showcase your work - our online open access repository tracks views, citations and downloads. You can view a selection of material from DSDS21 at:

<https://cord.cranfield.ac.uk/collections/2021>

What is this event about?

Plans are well underway for DSDS22, which this year will be back at STEAM, the Museum of the Great Western Railway in Swindon.

Please spread the word to your personal and professional networks and on social media.

- This is the only event in the UK that gives defence and security research students and Early Career Researchers an opportunity to present their work to a sector-wide audience
- Hosted by Cranfield University and sponsored by Dstl and AWE
- Covering science, technology, engineering and the social sciences in the defence and security sectors

Who should attend?

- Researchers and research students working on defence and security matters
- Early Career Researchers
- Supervisors
- Representatives from industry, government and other defence and security relevant NGOs

Why should you attend?

- Learn about cutting-edge research in defence and security
- Hear about key issues being investigated across science, technology, engineering and social science research in the defence and security sectors
- Network with fellow students, representatives from the sponsoring organisations, defence publishers and others
- Listen to keynote speakers covering key policy-drivers in defence and security
- Engage with defence and security employers

What to expect?

- Keynote Speakers
- Technical Papers
- 3MT (3 Minute Thesis)
- Poster Competition
- Image Competition
- 3D Installation

Date

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Call for Contributions

To contribute a technical paper, 3D installation or 3MT, you need to be in your second year and onwards if a full time student, or fourth year and onwards if a part time student or an Early Career Researcher.

The poster and image competitions are open to all research students and Early Career Researchers.

For details of how to submit and key dates, go to:

www.symposiaatshrivenham.com/doc

Registration

To register, go to:

www.symposiaatshrivenham.com

Registration Fees

Contributors - FREE

Students and supervisors - FREE

Attendance at Event Dinner - £20

Other delegates - £250 (inclusive of Event Dinner)



#DSDS22

Contact

For further details please contact
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