

Workshop on High-Resolution Peripheral Quantitative Computed Tomography: Techniques, Methodology and Clinical Applications

Workshop objectives

- ✧ To bring together researchers from various disciplines to achieve a better understanding of the factors determining the acquisition of bone strength and microstructure, by the High-Resolution Peripheral Quantitative Computed Tomography (HR-pQCT) technique.
- ✧ To identify research gaps and to establish the state of the science.
- ✧ To identify new possibilities to explore bone geometry, density and microstructure in greater detail.

Pre-clinical and Clinical Measurement

Radius measurement



Tibia measurement with cast



Animals for research studies



Human Femur



Tibia Segmentation
(exploded view)



Rabbit cranium



Date : 13th-14th April 2016

Venue : National Orthopaedic Centre of Excellence in Research and Learning (NOCERAL), Department of Orthopaedic Surgery, Faculty of Medicine, University of Malaya

Registration Fee : Day 1- Lecture: MYR150 (Professional); MYR100 (Student)
Day 2- Workshop: MYR150 (Professional); MYR100 (Student)

** The workshop participant will get a voucher (valid for 2 months) to scan a sample (less than 10 minutes of scanning time).*

Jointly Organised by :  UNIVERSITY OF MALAYA  ITEG  NOCERAL  SCANCO MEDICAL  Hi-TECH INSTRUMENTS
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Day 1 - Seminar (Wednesday, 13/4/16)

	Venue	Events	Presenters
9:00 am – 9:30 am	Datin Ragayah lecture hall, NOCERAL	Registration	
9:30 am – 9:40 am		Welcome address	Prof. Dr. Tunku Kamarul, University of Malaya
9:40 am – 10:30 am		CT-basics	Philippe Maffioli, MicroCT System Specialist
10:30 am – 11:00 am	Multi-purpose room, NOCERAL	Tea break	
11:00 am – 11:30 am	Datin Ragayah lecture hall, NOCERAL	Overview of HR-pQCT application <i>in vivo</i> and <i>ex vivo</i>	Philippe Maffioli, MicroCT System Specialist
Users Sharing Session			
11:30 am – 12:00 am	Datin Ragayah lecture hall, NOCERAL	The Relationship Between Hyaline Cartilage And Subchondral Bone Lesions In The Patients With Knee Osteoarthritis	Dr Chong Pan Pan, University of Malaya
12:00 am – 12:30 am		Understand the effects of aerobic exercise on bone mineral density in <i>in vivo</i> model	Dr Simret Singh, University of Malaya
12:30 pm – 1:00 pm		Evaluation of newly formed OPG-chitosan gel in animal model	Soher Nagi, University of Malaya
1:00 pm – 2:00 pm	Multi-purpose room, NOCERAL	Lunch	
2:00 pm – 3:00 pm	Datin Ragayah lecture hall, NOCERAL	Lecture 1: Start-up Procedure, Program Overview, Edit Operator & Patient Data, Quality Control	Philippe Maffioli, MicroCT System Specialist
3:00 pm – 4:00 pm		Lecture 2: Measurements	Philippe Maffioli, MicroCT System Specialist
4:00 pm – 5:00 pm		Lecture 3: Evaluation, 3D-Display	Philippe Maffioli, MicroCT System Specialist

Day 2 – Workshop (Thursday, 14/4/16)

	Hands-on session: Philippe Maffioli / Dr Chong Pan Pan / Yuen Aoi Chee	Discussion: Philippe Maffioli / Dr Chong Pan Pan / Yuen Aoi Chee
	Xtreme CT room, Electron Microscope Unit	Datin Ragayah lecture hall, NOCERAL
8:00 am – 10:00 am	Group 1	Group 2
10:00 am – 12:00 pm	Group 2	Group 1
12:00 pm – 1:00 pm	Lunch (Multi-purpose room, NOCERAL)	
1:00 pm – 3:00 pm	Group 3	Group 4
3:00 pm – 5:00 pm	Group 4	Group 3

Agenda

Registration

Please complete the confirmation attendant below:

Name: Prof. / Dr. / Mr. / Ms. Department:

Name of your University / Institution / Company:

Address:

Postal Code: City: Country:

Phone: Fax:

Email:

For registration:
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Closing date

: 1st April 2016

Payment methods:

- Cheque, electronic telegraphic transfer, online transfer, bank draft:
Maybank Islamic, account name: **Yayasan Ortopedik**, account number: **564351504180**
- Internal grant transfer (University of Malaya)
 Account name: **Tabung NOCERAL (WBS No: UM.0000169/KWJ.AK)**