MRGO6301 Musculoskeletal Rehabilitation: Musculoskeletal Ultrasound **(2 Credit units)** **2025/26**
骨骼肌肉康復：骨骼肌肉超聲波診斷

Module Head: **Dr. Carina Li** **Last update: 23/3/2026**

Session	1	2	3	4	5	6	7	8	Exam
Date	26/5/26(Tue)	28/5/26(Thu)	29/5/26(Fri)	2/6/26(Tue)	4/6/26(Thu)	5/6/26(Fri)	7/6/26(Sun)		13/6/26(Sat)
Time	1830-2130	1830-2130	1830-2130	1830-2130	1830-2130	1900-2200	1000-1700		PM
Venue	OLC	OLC	OLC	OLC	OLC	OLC	OLC	OLC	*(TBC)*

Content	Speakers	Session	Date	Time
Applications of Musculoskeletal Ultrasound – **Pain Interventions I** (Radiofrequency ablation, pulse RF)	Dr. WS Chan (1hr)	1	26/5 (Tue)	1830-1930
Basic Sonoanatomy of **Lower Limb – Knee Joint** Applications of Musculoskeletal Ultrasound in **Rheumatology**	Dr. Gavin Lee (2hrs)			1930-2130
1. Ultrasound Machine Knobology & terminology 2. Choice of ultrasound machine/probes in clinical applications 3. Applications of Musculoskeletal Ultrasound of Medicine	Dr. Alex Chan (3hrs)	2	28/5 (Thu)	1830-2130
Basic Sonoanatomy of **Upper Limb – Shoulder**	Dr. Carrel Yu (1.5hrs)	3	29/5 (Fri)	1830-2000
Application of Musculoskeletal Ultrasound in **Orthopedics** (Effusion, CTS, trauma)	Dr. Peter Siu (1.5hrs)			2000-2130
Basic Sonoanatomy of **Lower Limb – Hip**	Dr. CY Chu (1hr)	4	2/6 (Tue)	1830-1930
Basic Sonoanatomy of **Upper Limb – Elbow and Wrists, Fingers Joint Tenosynovitis**	Dr. Stella Wong (2hrs)			1930-2130
Basic Sonoanatomy of **Neck & Thoracic Spine** – **Cervical and Thoracic Spine, Ribs, nerves root**) Basic Sonoanatomy of **Trunk CORES muscles and Lumbar Spine, SI joint** Applications of Musculoskeletal Ultrasound: **Pain Interventions II** (Injections therapy- dry needling, steroid/ NS/ PRP, Botulinum toxin)	Dr. Carina Li (3hrs)	5	4/6 (Thu)	1830-2130
Basic MSK Ultrasound Radiological intervention Basic Sonoanatomy of **Lower Limb – Foot and Ankle**	Dr. Ryan Lee (3hrs)	6	5/6 (Fri)	***1900-2200***
1. Demonstration on Musculoskeletal Ultrasound techniques: Knobs, Doppler, Bone, Tissue, Joint line 2. Ultrasound Imaging & Musculoskeletal Ultrasound Demonstration - **Lower Limb – Hip / Knee, Calf, Foot and Ankle**	Dr. CY Chu & Dr. Carina Li (1hr)	7-8	7/6 (Sun)	1000-1100
Ultrasound Imaging & Musculoskeletal Ultrasound Demonstration- live scan (30 minutes/round) (Hands-on Workshop rotations) 4 stations – **Neck & Upper limb** I & II 1. Shoulder – Dr. Julia Chan 2. Neck and Trunk, Brachial Plexus - Dr. Carina Li 3. Elbow – Dr. CY Chu 4. Wrist & CTS – Dr. Alex Ng	Various (2hrs)			1100-1300
Ultrasound Imaging & Musculoskeletal Ultrasound Demonstration- live scan (30 minutes/round) (Hands-on Workshop rotations) 4 stations – **Hip, Knee, Spine/Trunk, Foot & Ankle** 1. Hip – Dr. CY Chu 2. Back-Lumber Spine / SU - Dr. WS Chan 3. Knee – Dr. Carina Li 4. Foot & Ankle – Dr. Peter Siu	Various (3hrs)			1400-1700
Exam	---	--	13/6 (Sat)	PM

Venue: OLC: Orthopaedic Learning Center, 1/F, Li Ka Shing Specialist Clinic (North Wing), Prince of Wales Hospital, Shatin
WMY502 WMY502, 5/F, Wu Ho Man Yuen Building, Lower Level, Campus, the Chinese University of Hong Kong, Shatin

Brief Description:

This course aims to provide basic knowledge of Musculoskeletal Ultrasound Sonoanatomy and the application.
本科目旨在提供骨關節超聲波診斷的基礎知識和應用。

Learning Outcome:

Students will understand:
1. Basic principles of ultrasound
2. Basic medical imaging and interventional radiology for soft tissue disorders
3. Basic anatomy of upper limb, lower limb, and neck & spine regions
4. Other applications on musculoskeletal ultrasound:

Attention: University policy and regulations on honesty in academic work

Attention is drawn to University policy and regulations on honesty in academic work, and to the disciplinary guidelines and procedures applicable to breaches of such policy and regulations. Details may be found at http://www.cuhk.edu.hk/policy/academichonesty/.

With each assignment, students will be required to submit a signed declaration that they are aware of these policies, regulations, guidelines and procedures.

- In the case of group projects, all members of the group should be asked to sign the declaration, each of whom is responsible and liable to disciplinary actions, irrespective of whether he/she has signed the declaration and whether he/she has contributed, directly or indirectly, to the problematic contents.
- For assignments in the form of a computer-generated document that is principally text-based and submitted via VeriGuide, the statement, in the form of a receipt, will be issued by the system upon students' uploading of the soft copy of the assignment.

Assignments without the properly signed declaration will not be graded by teachers.

Only the final version of the assignment should be submitted via VeriGuide.

The submission of a piece of work, or a part of a piece of work, for more than one purpose (e.g. to satisfy the requirements in two different courses) without declaration to this effect shall be regarded as having committed undeclared multiple submissions. It is common and acceptable to reuse a turn of phrase or a sentence or two from one's own work; but wholesale reuse is problematic. In any case, agreement from the course teacher(s) concerned should be obtained prior to the submission of the piece of work.

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Assessment:
End of Module Examination (100%)

Date: 13/6/2026 (Sat) Time: Afternoon (TBC)
Venue: PWH/CUHK Campus (TBC) Format: Written / MCQ Exam

Speakers:

Dr. Carina LI (module coordinator)	MBBS(HK), FANZCA, FHKCA, FHKAM(Anaesthesiology), Dip. Pain Mgt (HKCA) Specialist in Anesthesiology, HK Pain Medicine Centre / HK Society of MSK Pain
Dr. Alex CHAN	Reg PT, DPT, MSc Mani, BSc PT, MTSG Consultant Physiotherapist, Dr Cure Musculoskeletal Pain & Sports Injury Physiotherapy Centre
Dr. Ryan LEE	MBChB, FRCR, FHKCR Specialist Consultant, Private practice , I Rad Medical Diagnostic Centre
Dr. WS CHAN	MB ChB (CUHK), FANZCA, FHKCA, Dip Pain Mgt (HKCA), FHKAM (Anaesthesiology) Consultant, Specialist in Anaesthesiology, CUHKMC
Dr. Stella WONG	MBBS (HK), MRCP (UK), FRCP (Edin), PgDipPD (Cardiff), FHKCP, FHKAM (Medicine) Specialist in Rheumatology, Hong Kong Sanatorium and Hospital
Dr. CY CHU	MBBS, FRCR, FHKCR, FHKAM(Radiology) Consultant Radiologist, Department of Radiology , Pamela Youde Nethersole Eastern Hospital
Dr. Gavin LEE	MBBS, MRCP (UK), FHKAM (Medicine), FHKCP, FRCP (Edin) Specialist Rheumatologist, Hong Kong Sanatorium and Hospital
Dr. Carrel YU	MBBS (HK), MRCP (UK), FHKAM (Medicine), FHKCP, DipClinDerm (Lond) Specialist in Rheumatology
Dr. Peter SIU	MBBS (HK), FRCSEd (Ortho), FHKCOS, FHKAM (Ortho) Specialist, Department of Orthopaedics and Traumatology, Private Practice
Dr. Alex NG	MBChB, FRCR, FHKCR, FHKAM Consultant Radiologist, Hong Kong Health Check Centre
Dr. Julia CHAN	MBBS (HK), MRCP (UK), FRCP (Edin), GradDipFamMed (Monash), FHKCP, FHKAM (Medicine) Specialist in Rheumatology, Hong Kong Santaorium and Hospital