

Module Head: Dr. Carina Li

Last update: 15/3/2023

Session	1	2	3	4	5	6	7	8	Exam
Date	23/5/23 (Tue)	28/5/23 (Sun)		30/5/23 (Tue)	31/5/23 (Wed)	6/6/23 (Tue)	8/6/23 (Thu)	13/6/23 (Tue)	17/6/23 (Sat)
Time	1830-2130	1100-1800		1900-2200	1830-2130	1830-2130	1830-2130	1830-2130	PM
Venue	9/F SR	OLC	OLC	OLC	OLC	OLC	OLC	OLC	TBC

Content	Speakers	Session	Date	Time
1. Ultrasound Machine Knobology & terminology 2. Choice of ultrasound machine/probes in clinical applications 3. Basic Sonoanatomy of Neck & Thoracic Spine – Cervical and Thoracic Spine, Ribs, nerves root	Dr. Carina Li (3 hrs.)	1	23/5 (Tue)	1830-2130
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 (1 hr.)	2-3	28/5 (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 (2 hrs.)			1100-1300
Ultrasound Imaging & Musculoskeletal Ultrasound Demonstration- live scan (30 minutes/round) (Hands-on Hip rotations) 4 stations – Hip, Knee, Spine/Trunk, Foot & Ankle 1. Hip – Dr. CY Chu 2. Back-Lumbar Spine / SU - Dr. WS Chan 3. Knee – Dr. Carina Li 4. Foot & Ankle – Dr. LF Tse	Various (3 hrs.)			1400-1700
Basic MSK Ultrasound Radiological intervention Basic Sonoanatomy of Lower Limb – Foot and Ankle	Dr. Ryan Lee (3 hrs.)	4	30/5 (Tue)	1900-2200
Basic Sonoanatomy of Lower Limb – Hip	Dr. CY Chu (1 hr.)	5	31/5 (Wed)	1830-1930
Basic Sonoanatomy of Trunk CORES muscles and Lumbar Spine, SI joint Applications of Musculoskeletal Ultrasound: Pain Interventions I (Injections therapy- dry needling, steroid/ NS/ PRP, Botulinum toxin)	Dr. Carina Li (2 hrs.)			1930-2130
Applications of Musculoskeletal Ultrasound of Medicine	Prof. YP Zheng (1 hr.)	6	6/6 (Tue)	1830-1930
Basic Sonoanatomy of Lower Limb – Knee Joint Applications of Musculoskeletal Ultrasound in Rheumatology	Dr. Gavin Lee (2 hrs.)			1930-2130
Basic Sonoanatomy of Upper Limb – Shoulder	Dr. Carrel Yu (1.5 hrs.)	7	8/6 (Thu)	1830-2000
Application of Musculoskeletal Ultrasound in Orthopedics (Effusion, CTS, trauma)	Dr. LF Tse (1.5 hrs.)			2000-2130
Basic Sonoanatomy of Upper Limb – Elbow and Wrists, Fingers Joint Tenosynovitis	Dr. Stella Wong (2 hrs.)	8	13/6 (Tue)	1830-2030
Applications of Musculoskeletal Ultrasound – Pain Interventions II (Radiofrequency ablation, pulse RF)	Dr. WS Chan (1 hr.)			2030-2130
Exam	---	--	17/6 (Sat)	PM

Venue: 9/F SR: Seminar Room, 9/F, Main Clinical Block and Trauma Center, , Prince of Wales Hospital, Shatin
 OLC: Orthopaedic Learning Center, 1/F, Li Ka Shing Specialist Clinic (North Wing), Prince of Wales Hospital, 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.

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Assessment:

End of Module Examination (100%)

Date: 17/6/2023 (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. CY CHU	MBBS, FRCR, FHKCR, FHKAM(Radiology) Consultant Radiologist, Department of Radiology , Pamela Youde Nethersole Eastern Hospital
Dr. Julia CHAN	MBBS (HK), MRCP (UK), FRCP (Edin), GradDipFamMed (Monash), FHKCP, FHKAM (Medicine) Honorary Clinical Assistant Professor (HKU) / Specialist in Rheumatology, Hong Kong Sanatorium and Hospital
Dr. WS CHAN	MB ChB (CUHK), FANZCA, FHKCA, Dip Pain Mgt (HKCA), FHKAM (Anaesthesiology) Consultant, Specialist in Anaesthesiology, CUHKMC
Dr. Alex NG	MBChB, FRCR, FHKCR, FHKAM Consultant Radiologist, Hong Kong Health Check Centre
Dr. LF TSE	MBChB (CUHK), MRCSEd, FRCSEd(Orth), FHKCOS, FHKAM (Ortho Surg) Specialist in Orthopaedic Surgery, Department of Orthopaedics and Traumatology, Union Hospital
Dr. Ryan LEE	MBChB, FRCR, FHKCR Specialist Consultant, Private practice , I Rad Medical Diagnostic Centre
Dr. Carrel YU	MBBS (HK), MRCP (UK), FHKAM (Medicine), FHKCP, DipClinDerm (Lond) Specialist in Rheumatology
Professor YP ZHENG	PhD(PolyU), MEng(USTC), BSc(USTC), SMIEEE, FHKIE Head and Professor, Interdisciplinary Division of Biomedical Engineering, The Hong Kong Polytechnic University
Dr. Gavin LEE	MBBS, MRCP (UK), FHKAM (Medicine), FHKCP, FRCP (Edin) Specialist Rheumatologist, Hong Kong Sanatorium and Hospital
Dr. Stella WONG	MBBS (HK), MRCP (UK), FRCP (Edin), PgDipPD (Cardiff), FHKCP, FHKAM (Medicine) Specialist in Rheumatology, Hong Kong Sanatorium and Hospital