

Module Head: Dr. Carina Li

Last update: 5/5/2022

| Session | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Exam |
|---------|---------------|---------------|---------------|-----|---------------|--------------|--------------|---------------|---------------|
| Date | 17/5/22 (Tue) | 24/5/22 (Tue) | 28/5/22 (Sat) | | 30/5/22 (Mon) | 1/6/22 (Wed) | 8/6/22 (Wed) | 13/6/22 (Mon) | 18/6/22 (Sat) |
| Time | 1830-2130 | 1830-2130 | 1100-1800 | | 1830-2130 | 1900-2200 | 1830-2130 | 1830-2130 | PM |
| Venue | Online | Online | OLC | OLC | Online | Online | Online | Online | TBC |

| Content | Speakers | Session | Date | Time |
|--|---|---------|---------------|------------------------|
| 1. Ultrasound Machine Knobology & terminology 2. Choice of ultrasound machine/probes in clinical applications Musculoskeletal Ultrasound: Anaesthesia and Pain Medicine applications | Dr. Carina Li (3 hrs) | 1 | 17/5/22 (Tue) | 1830-2130 |
| Applications of Musculoskeletal Ultrasound of Medicine Musculoskeletal Ultrasound: Orthopedic applications | Prof. YP Zheng (1.5 hr) Dr. CH Yen (1.5 hr) | 2 | 24/5/22 (Tue) | 1830-2000 2000-2130 |
| 1. Demonstration on Musculoskeletal Ultrasound techniques: Knobs, Doppler, Bone, Tissue, Joint line 2. Ultrasound Imaging & Musculoskeletal Ultrasound Demonstration - Lower Limb – Calf, Foot and Ankle | Dr. CY Chu & Dr. LF Tse (2 hrs) | 3-4 | 28/5/22 (Sat) | 1100-1300 |
| Ultrasound Imaging & Musculoskeletal Ultrasound Demonstration- live scan (30 minutes/round) (Hands-on Workshop rotations) 4 stations – Upper limb I & II / Lower Limb I & II | Dr. Julia Chan (Shoulder) Dr. Stella Wong (Elbow & Wrist) Dr. LF Tse (Foot & Ankle) Dr. CH Yen (CTS) | | | 1400-1600 |
| Ultrasound Imaging & Musculoskeletal Ultrasound Demonstration- live scan (30 minutes/round) (Hands-on Workshop rotations) 4 stations – Hip, Knee, Spine/Trunk, Hand/Finger | Dr. Tony Ng (Hip) Dr. WS Chan (Back/Spine) Dr. Gavin Lee (Knee) Dr. Stella Wong (Finger joint) | | | 1600-1800 |
| Basic Sonoanatomy of Upper Limb – Elbow and Wrists | Dr. Stella Wong (1 hr) | 5 | 30/5/22 (Mon) | 1830-1930 |
| Basic Sonoanatomy of Lower Limb – Knee Joint Musculoskeletal Ultrasound Rheumatologist applications | Dr. Gavin Lee (2 hrs) | | | 1930-2130 |
| Basic MSK Ultrasound Radiological intervention Basic Sonoanatomy of Lower Limb – Foot and Ankle | Dr. Ryan Lee (3 hrs) | 6 | 1/6/22 (Wed) | 1900-2200 |
| Basic Sonoanatomy of Lower Limb – Hip | Dr. Tony Ng (1 hr) | 7 | 8/6/22 (Wed) | 1830-1930 |
| Basic Sonoanatomy of Upper Limb – Shoulder Basic Sonoanatomy of Upper Limb – Fingers Joint Tenosynovitis | Dr. Carrel Yu (2 hrs) | | | 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 | Dr. Carina Li (3 hrs). | 8 | 13/6/22 (Mon) | 1830-2130 |
| Exam | --- | -- | 18/6/22 (Sat) | |

Venue: Online: Zoom meeting

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: 18/6/2022 (Sat)

Time: to be confirmed

Format: Online Written / MCQ Exam

Speakers:

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|---------------------------------------|---|
| 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 |
| 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. CH YEN | MBBS, MRCS(Ed), MRCSEd(Ortho), MScMMR(CUHK), FHKAM (OS), FHKCOS Specialist in Orthopaedics and Traumatology, Ted Care Medical Centre |
| Dr. CY CHU | MBBS, FRCR, FHKCR, FHKAM(Radiology) Consultant Radiologist, Department of Radiology , Pamela Youde Nethersole Eastern Hospital |
| Dr. LF TSE | MBChB (CUHK), MRCSEd, FRCSEd(Orth), FHKCOS, FHKAM (Ortho Surg) Specialist in Orthopaedic Surgery, Department of Orthopaedics and Traumatology, Union 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. Stella WONG | MBBS (HK), MRCP (UK), FRCP (Edin), PgDipPD (Cardiff), FHKCP, FHKAM (Medicine) Specialist in Rheumatology, Hong Kong Sanatorium and Hospital |
| Dr. Tony NG | MBBS, FANZCA, FHKCA, FHKAM, Dip Pain Mgt (HKCA) Consultant, Pain Management Unit, Department of Anaesthesia and Operating Theatre Services, Tuen Mun Hospital |
| Dr. WS CHAN | MB ChB (CUHK), FANZCA, FHKCA, Dip Pain Mgt (HKCA), FHKAM (Anaesthesiology) Consultant, Specialist in Anaesthesiology, CUHKMC |
| Dr. Ryan LEE | MBChB, FRCR, FHKCR Specialist Consultant, Private practice , I Rad Medical Diagnostic Centre |
| 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 |