



### Overall Learning Outcomes:

- To learn in-depth scanning technique for each major anatomic area in upper limb.
- To identify difficult musculoskeletal pathology in upper limb.
- To Recognize musculoskeletal ultrasound artefact and pitfalls.

### Cadaveric Workshop

- Practice needle visualization techniques by ultrasound on cadaver specimen.
- Appreciate the complexities of injection therapy in clinical practice including potential pitfalls.

9th QATAR MUSCULOSKELETAL ULTRASOUND COURSE DAY 1 Saturday (December 09, 2023) – Monographic Upper Extremity				
TIME		TOPIC	CATEGORY	DURATION IN MINS
8:00:00 AM	8:50:00 AM	Registration		
8:50:00 AM	9:00:00 AM	Opening Ceremony		
9:00:00 AM	9:20:00 AM	Shoulder: Sonoanatomy (Lecture) Ingrid Moller Parera	Cat 1	20 min
9:20:00 AM	9:35:00 AM	Rotator Cuff Pathology (Lecture) Georgios Filippou	Cat 1	15 min
9:35:00 AM	9:50:00 AM	Inflammatory/Degenerative Pathology of Shoulder (Lecture) Schmidt Wolfgang Andreas	Cat 1	15 min
9:50:00 AM	10:00:00 AM	Nerves of Shoulder - Practical aspects (Lecture) Zunaid Karim	Cat 1	10 min
10:00:00 AM	12:00:00 PM	Shoulder - Workshop	Cat 3	120 min
12:00:00 PM	13:00:00 PM	Lunch & Prayer		
13:00:00 AM	13:15:00 AM	Elbow: Sonoanatomy (Lecture) Hilde Berner Hammer	Cat 1	15 min
13:15:00 AM	13:30:00 AM	Inflammatory/Degenerative Pathology of Elbow (Lecture) Nemanja Damjanov	Cat 1	15 min
13:30:00 AM	13:45:00 AM	Tendon/Ligament Pathology of Elbow (Lecture) Lene Terslev	Cat 1	15 min
13:45:00 AM	14:00:00 AM	Nerves of Elbow - Practical aspects (Lecture) Zunaid Karim	Cat 1	15 min

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14:00:00 PM	15:30:00 PM	<b>Elbow - Workshop</b>	Cat 3	90 min
15:30:00 PM	16:00:00 PM	<b>Coffee Break</b>		
16:00:00 PM	16:45:00 PM	<b>Difficult Cases - Local Speakers</b>	Cat 1	45 min
16:45:00 PM	17:15:00 PM	<b>Pitfall US setting (Lecture) Izzat Khanjar</b>	Cat 1	30 min
17:15:00 PM	17:30:00 PM	<b>Coffee Break</b>		
17:30:00 PM	18:00:00 PM	<b>Pitfall US doppler (Lecture) Uffe Moller Døhn</b>	Cat 1	30 min

**9th QATAR MUSCULOSKELETAL ULTRASOUND COURSE  
DAY 2 Sunday (December 10, 2023) – Monographic Upper Extremity**

TIME		TOPIC	CATEGORY	DURATION IN MINS
9:00:00 AM	9:15:00 AM	<b>Hand/Wrist: Sonoanatomy (Lecture) Hilde Berner Hammer</b>	Cat 1	15 mins
9:15:00 AM	09:30:00 AM	<b>Inflammatory/Degenerative Pathology of Hand/Wrist (Lecture) Mihaela Cosmina Micu</b>	Cat 1	15 mins
9:30:00 AM	09:50:00 AM	<b>Tendon/Ligament Pathology of Hand/Wrist (Lecture) Peter Mandl</b>	Cat 1	20 mins
9:50:00 AM	10:00:00 AM	<b>Nerves of Hand- Practical aspects (Lecture) Zunaid Karim</b>	Cat 1	10 mins
10:00:00 AM	12:00:00 PM	<b>Hand/Wrist (Workshop)</b>	Cat 3	120 mins
12:00:00 PM	13:00:00 PM	<b>Lunch and Prayer Break</b>		
13:00:00 AM	13:15:00 AM	<b>Injection Technique: Introduction (Lecture) Esperanza Naredo Sanchez</b>	Cat 1	15 mins
13:15:00 AM	13:30:00 AM	<b>Injection Technique to Shoulder (Lecture) Mihaela Cosmina Micu</b>	Cat 1	15 mins
13:30:00 AM	13:45:00 AM	<b>Injection Technique to Elbow (Lecture) Nemanja Damjanov</b>	Cat 1	15 mins
13:45:00 AM	14:00:00 AM	<b>Injection Technique to Hand/Wrist (Lecture) Schmidt Wolfgang Andreas</b>	Cat 1	15 mins
14:00:00 PM	15:00:00 PM	<b>Difficult cases – (Lecture) (Peter Mandl, Uffe Moller Døhn, Georgios Filippou and Lene Terslev)</b>	Cat 1	60 mins

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15:00:00 PM	15:30:00 PM	<b>Coffee Break</b>		
15:30:00 PM	16:00:00 PM	<b>Cadaveric US guided injection (Lecture) Nemanja Damjanov</b>	Cat 1	30 mins
16:00:00 PM	19:00:00 PM	<b>Hands-on Cadaver Workshop (Upper extremity)</b>	Cat 3	180 mins
19:00:00 PM	19:15:00 PM	<b>Closing &amp; Conclusion</b>		

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