



**At the end of the activity the audience will:**

1. To know the application, indications, and limitations of musculoskeletal ultrasound in rheumatology.
2. To know the ultrasound physics and technology.
3. To identify the sonographic pattern of the different musculoskeletal tissues.
4. To recognize musculoskeletal artefacts and pitfalls.
5. To hold the probe, to optimize the B-mode settings of the ultrasound equipment and to acquire ultrasound images.
6. To identify normal sonographic anatomy of each major anatomic area (i.e. shoulder, elbow, wrist and hand, hip, knee, ankle, and foot).
7. To learn the systematic standardized scanning technique for each major anatomic area (i.e. shoulder, elbow, wrist and hand, hip, knee, ankle, and foot).
8. To document images and to report ultrasound findings and diagnosis.  
To identify basic musculoskeletal abnormalities (e.g. joint effusion and synovial hypertrophy, tenosynovitis, enthesopathy, complete tendon tear, bursitis, bone erosions and osteophytes)

**8<sup>th</sup> QATAR Multidisciplinary MUSCULOSKELETAL  
ULTRASOUND COURSE DAY 1 (October 06, 2022) –  
FUNDAMENTAL LEVEL**

TIME	TOPIC	Category	Duration in mins
8.00am to 08.05 am	<b>Opening: Dr. Izzat Khanjar / EULAR Faculty</b>		<b>5</b>
08.05 am to 08:20 am	<b>Pretest MCQs</b>		<b>15</b>
08.20 am to 8.50 am	<b>How to best perform US &amp; Physics (Lecture) Prof Nemanja</b>	<b>Cat 1</b>	<b>30</b>
8.50 am to 9.00 am	<b>Coffee Break</b>		<b>10</b>
9.00 am to 9.30 am	<b>Hand/Wrist (Lecture) Prof Esperanza</b>	<b>Cat 1</b>	<b>30</b>
9.30 am to 10.30 am	<b>Ultrasound machine Settings (Workshop) All Faculty</b>	<b>Cat 3</b>	<b>60</b>
10.30 am to 11.00 am	<b>Elbow (Lecture) Dr Hilde</b>	<b>Cat 1</b>	<b>30</b>
11.00 am to 12.00 pm	<b>Lunch and Prayer Break</b>		<b>60</b>

***“The scientific planning committee has reviewed all disclosed financial relationships of speakers, moderators, facilitators, and/or authors in advance of this CPD activity and has implemented procedures to manage any potential or real conflicts of interest”***

This activity is an Accredited Group Learning Activity Category 1 as defined by the Ministry of Public Health's Department of Healthcare Professions - Accreditation Section and is approved for a maximum of XX hours.



12.00 pm to 1.30 pm	Hand (Workshop).	All Faculty	Cat 3	90
1.30 pm to 02.00 pm	Shoulder (Lecture)	Giorgous	Cat 1	30
02.00 pm to 03.30 pm	Elbow (Workshop)	All Faculty	Cat 3	90
03.30 pm to 03.50 pm	Coffee Break			20
03.50 pm to 05.20 pm	Shoulder (Workshop)	All Faculty	Cat 3	90

**8<sup>th</sup> QATAR MUSCULOSKELETAL ULTRASOUND COURSE DAY  
2 (October 07, 2022) – FUNDAMENTAL LEVEL**

TIME	TOPIC	Category	Duration in mins
08.30 am to 09.00 am	Hip (Lecture) Dr Zunaid	Cat 1	30
09.00 am to 10.30 am	Hip (workshop ) All Faculty	Cat 3	90
10.30 am to 11.00 pm	Knee ( Lecture) Prof Lene	Cat 1	30
11.00 am to 01.00 pm	Lunch\prayer		120
01.00 pm to 01.45 pm	Ankle \feet (lecture) Dr Peter	Cat 1	45
01.45 pm to 02.15 pm	Introduction to pathology in rheumatology (lecture ) Dr Uffe	Cat 1	30
02.15 pm to 03.45 pm	Knee (workshop ) All Faculty	Cat 3	90
03.45-04.00	Coffee break		15
04.00pm -5.30 pm	Ankle\feet(workshop ) All Faculty	Cat 3	90
05.30 pm -05.40	closing remark Prof Ingrid / Dr Izzat		

***“The scientific planning committee has reviewed all disclosed financial relationships of speakers, moderators, facilitators, and/or authors in advance of this CPD activity and has implemented procedures to manage any potential or real conflicts of interest”***

*This activity is an Accredited Group Learning Activity Category 1 as defined by the Ministry of Public Health’s Department of Healthcare Professions - Accreditation Section and is approved for a maximum of XX hours.*



**At the end of the activity the audience will:**

1. To know the application, indications, and limitations of musculoskeletal ultrasound in rheumatology.
2. To know the ultrasound physics and technology.
3. To identify the sonographic pattern of the different musculoskeletal tissues.
4. To recognize musculoskeletal artifacts and pitfalls.
5. To hold the probe, to optimize the B-mode settings of the ultrasound equipment and to acquire ultrasound images.
6. To identify normal sonographic anatomy of each major anatomic area (i.e. shoulder, elbow, wrist and hand, hip, knee, ankle, and foot).
7. To learn the systematic standardized scanning technique for each major anatomic area (i.e. shoulder, elbow, wrist and hand, hip, knee, ankle, and foot).
8. To document images and to report ultrasound findings and diagnosis.  
To identify basic musculoskeletal abnormalities (e.g. joint effusion and synovial hypertrophy, tenosynovitis, enthesopathy, complete tendon tear, bursitis, bone erosions and osteophytes)

**8<sup>th</sup> QATAR Multidisciplinary MUSCULOSKELETAL  
ULTRASOUND COURSE DAY 1 (October 07, 2022) –  
INTERMEDIATE LEVEL**

TIME	TOPIC	Category	Duration in mins
08.30 am to 08.40 am	Opening: Dr. Izzat Khanjar / EULAR Faculty		10
08.40 am to 09:00 am	Pretest MCQs		20
09.00 am to 10.00 am	Physics (Lecture) Uffe	Cat 1	60
10.00 am to 11.00 am	Shoulder(Lecture) Dr Giorgious	Cat 1	60
11.00 am to 01.00 pm	Lunch and Prayer Break		
01.00 pm to 02.30 pm	Shoulder (Workshop) All Faculty	Cat 3	90
02.30 pm to 03.15 pm	Elbow (lecture ) Dr Mihaela	Cat 1	45

*“The scientific planning committee has reviewed all disclosed financial relationships of speakers, moderators, facilitators, and/or authors in advance of this CPD activity and has implemented procedures to manage any potential or real conflicts of interest”*

This activity is an Accredited Group Learning Activity Category 1 as defined by the Ministry of Public Health's Department of Healthcare Professions - Accreditation Section and is approved for a maximum of XX hours.



03.15 pm to 03.30 pm	Coffee break		15
03.30 pm to 04.30 pm	Hand/Wrist (Lecture) Prof Schmidt	Cat 1	60
04.30 pm to 06.00 pm	Elbow (Workshop) All Faculty	Cat 3	90

**8<sup>th</sup> QATAR MUSCULOSKELETAL ULTRASOUND COURSE  
DAY 2 (October 08, 2022) – INTERMEDIATE LEVEL**

TIME	TOPIC	Category	Duration in mins
08.00 am to 09.30 am	Hand (Workshop) All Faculty	Cat 3	90
09.30 am to 10.15 am	Hip Sono-Anatomy / Abnormal (Lecture) Prof Ingrid	Cat 1	45
10.15 am to 11.45 am	Hip (Workshop) All Faculty	Cat 3	90
11.45am to 12.00 am	Coffee Break		15
12.00 am to 12.30 am	Knee Sono-Anatomy / Abnormal (Lecture) Prof Nemanja	Cat 1	30
12.30 pm to 01.45 pm	Knee (Workshop) All Faculty	Cat 3	75
01.45 pm to 02.30 pm	Lunch and Prayer Break		45
02.30 pm to 03.15 pm	Ankle / Feet (Lecture) Prof Hilde	Cat 1	45
03.15 pm to 04.45 pm	Ankle / Foot (Workshop)	Cat 3	90
04.45 pm to 05.00 pm	Coffee Break		15
05.00 pm to 05.30 pm	Future Rheumatology Ultrasound Esperanza		30

***“The scientific planning committee has reviewed all disclosed financial relationships of speakers, moderators, facilitators, and/or authors in advance of this CPD activity and has implemented procedures to manage any potential or real conflicts of interest”***

*This activity is an Accredited Group Learning Activity Category 1 as defined by the Ministry of Public Health’s Department of Healthcare Professions - Accreditation Section and is approved for a maximum of XX hours.*