**Program: Intermediate MSK Ultrasound Course for Rheumatologists**

|  |  |
| --- | --- |
| Time schedule  | Program day 1 (7 effective hours) |
| 8:15-8:45 | Reception and registration |
| 8:45-9:00 | Welcome, general Introduction & program. * Hands-on scanning positions conform EULAR/ESSR protocol.
* Tool card: 3 x 4 scanning quality & 2 x 4 pathology checklist.
* 3 participant per US device:
	1. Scanner
	2. Image optimisation
	3. SonoAnatomy
* Coach each other, tutors will give feedback and help out if needed.
 |
| 9:00-9:15 | **Lecture:*** Application, indications and limitations of Doppler in rheumatic and musculoskeletal diseases
* Doppler physics and technology
* Doppler setting optimization, artefacts and pitfalls
 |
| 9:15-9:35 | **Lecture: "Let's rub shoulders" - How to differentiate RA & PMR from OA & degenerative cuff pathology?**  |
| 9:35-9:45 | **Live demo shoulder 10 minutes** |
| 9:45-10:00 | **Break** |
| 10:00-12:00 | Hands-on practice shoulder (2 hours) *Focus on OA, RA, PMR & SpA* |
| 12:00-13:00 | **Lunch** |
| 13:00-13:20 | **Lecture: "Use some elbow grease" - Differential diagnosis of enthesitis.**  |
| 13:20-13:30 | **Live demo elbow 10 minutes** |
| 13:30-15:00 | Hands-on practice elbow (1,5 hour)*Focus on RA & SpA* |
| 15:00-15:20 | **Lecture: "Rule of thumb" - the pattern of (Pseudo) RA or OA? Scoring pathology.**  |
| 15:20-15:30 | **Live demo wrist & hand 10 minutes***Focus on OA, RA, gout & PsA* |
| 15:30-15:45 | **Break** |
| 15:45-17:45 | Hands-on practice wrist & hand (2 hours)  |
| 17:45-17:00 | Questions and remarks day one |

|  |  |
| --- | --- |
| Time schedule  | Program day 2 (6,5 effective hours) |
| 8:45-9:00 | Good morning opening session |
| 9:00-9:20 | **Lecture: "Rheumatologist don’t have a leg to stand on. Or do they?" - RMD features in the hip: OA, RA & PMR.**   |
| 9:20-9:30 | **Live demo hip 10 minutes** |
| 9:30-10:30 | Hands-on practice Hip (1 hour)*Focus on OA, RA, PMR & SpA* |
| 10:30-10:45 | **Break**  |
| 10:45-11:05 | **Lecture RMD knee: "How to bring rheumatologists to their patient's knee(d)s" RMD features in the knee: OA, RA, SpA CPPD & Gout features.** |
| 11:05-11:15 | **Live demo knee 10 minutes** |
| 11:15-12:45 | Hands-on practice knee (1,5 hour)*Focus on OA, RA, SpA CPPD & Gout* |
| 12:45-13:30 | **Lunch**  |
| 13:30-14:00 | **Lecture: "Let's toe the line" Current status of US In gout & dactylitis.** |
|  | **Live demo ankle & foot 10 minutes** |
| 14:00-15:30 | Hands-on practice ankle & foot (1,5 hour)*Focus on RA, SpA & Gout* |
| 15:30-16:00 | Quiz / questions and remarks: ***Winner gets a ticket USG injection course!*** |
| 16:00-16:30 | Evaluation & closure |