

## Content information EULAR Online Introductory US Course

This online course consists of seven basic modules (with similar format). Each of these modules is dedicated to a specific topic:

1. B-mode MSUS and Doppler MSUS physics; indications and limits of MSUS; normal findings and basic abnormalities; artefacts; image documentations; how to write a report on MSUS findings
2. Sonoanatomy, scanning technique and basic pathology of the wrist and hand
3. Sonoanatomy, scanning technique and basic pathology of the elbow
4. Sonoanatomy, scanning technique and basic pathology of the shoulder
5. Sonoanatomy, scanning technique and basic pathology of the ankle and foot
6. Sonoanatomy, scanning technique and basic pathology of the knee
7. Sonoanatomy, scanning technique and basic pathology of the hip

Each module involves approximately five hours of work for the student, totaling around 35 hours of educational training.

Participants can start the course in September each year. With the calculated one module a month, the course can be completed by April with the final exam usually scheduled for end of May. The first course year will automatically be extended by one year if the student has not finished all modules or has failed the first final exam. The maximum course time is 2 years.

### Topics and module structure

Each on-line module deals with one particular topic. A module typically contains:

- A set of clear learning objectives
- A written review on the topic, with 3.000 to 5.000 words containing 30 - 50 free to be used figures / tables / pictures (clinical images, X-ray, MSUS...).
- A video concerning sonoanatomy (5 to 8 minutes for the whole module), not module 1
- 10 Key references and a list of additional readings on specific details (Cochrane reviews, guidelines, research papers, etc.).
- Two in-depth discussions (max. 1.000 words) expanding on relevant clinical problems with an evidence-based discussion.
- Two interactive typical clinical cases with appropriate questions and immediate feedback.
- An "assessment" section after each module (mostly case based). Feedback on the reasoning behind the answer can be made available.
- An opportunity to ask questions to the professor/author during the month the module is running. Questions and answers are available to all students as they are added to the FAQ (frequently asked questions).

### Final examination

Students will be able to take the final examination after completion of all modules. The final examination will assess a sample of the learning objectives from the whole course. The examination will simultaneously be run on the web with all participants upon previous notification and will take 45 minutes.