



Norsk revmatologisk
forening

DEN NORSKE LEGEFORENING

The 1st Advanced Scandinavian course in Rheumatological Ultrasonography

22.-24. May 2017

Venue

The University Hospital of Tromsø, Norway

Course opening: Monday 22nd of May at 9.00

Course closing: Wednesday 24th of May at 15.00

Program committee:

Hilde Berner Hammer, Department of Rheumatology, Diakonhjemmet Hospital, Oslo, Norway

Lene Terslev, Department of Rheumatology, Copenhagen University Hospital at Glostrup, Copenhagen, Denmark

Andreas Diamantopolous, Department of Rheumatology, Hospital of Southern Norway Trust Kristiansand

Hamed Rezaei, Rheumatology Unit, Department of Medicine, Karolinska University Hospital and Karolinska Institute, Stockholm, Sweden

Erik af Klint, Rheumatology Unit, Department of Medicine, Karolinska University Hospital and Karolinska Institute, Stockholm, Sweden

Local organizers

Gunnstein Bakland and Monica Lian, Department of rheumatology, University Hospital in Tromsø, Norway

Teaching faculty:

Hilde Berner Hammer, Department of Rheumatology, Diakonhjemmet Hospital, Oslo, Norway

Lene Terslev, Department of Rheumatology, Copenhagen University Hospital at Glostrup, Copenhagen, Denmark

Ingrid Möller, Faculty of medicine, CCS Bellvitge, University of Barcelona, Barcelona, Spain

Esperanza Naredo, Department of Rheumatology, Hospital General Universitario Gregorio Marañón, Complutense University, Madrid and Department of Rheumatology, Hospital Universitario Severo Ochoa, Madrid, Spain

Maria-Antonietta D'Agostino, Department of Rheumatology, Ambroise Paré Hospital, Boulogne-Billancourt, France

Annamaria Iagnocco, Rheumatology Unit, Sapienza Università di Roma, Rome, Italy

George Bruyn, Department of Rheumatology, MC Groep, Lelystad, the Netherlands

David Bong, Department of Rheumatology, Instituto Poal, Barcelona, Spain

Peter Mandl, Department of Internal Medicine III, Division of Rheumatology, Medical University Vienna, Vienna, Austria

Emilio Filippucci, Clinica Reumatologica, Università Politecnica delle Marche, Jesi, Ancona, Italy

Andreas Diamantopolous, Department of Rheumatology, Hospital of Southern Norway Trust Kristiansand

Stephen Kelly, Rheumatology Department, Barts Health NHS trust Mile End hospital, London, EH1 4DG, UK.

Hamed Rezaei, Rheumatology Unit, Department of Medicine, Karolinska University Hospital and Karolinska Institute, Stockholm, Sweden

Sandrine Jousse-Jouline, Department of Rheumatology, La Cavale Blanche University Hospital, Department of Rheumatology-ERI 29, Brittany University, Brest, France.

Course fee: NOK 8000

Number of delegates; Up to 50

Official languages: English

Course registration:

Questions regarding the course:

Hilde Berner Hammer via e-mail: h-hammer@diakonsyk.no

Educational Objectives

Discussion of several advanced topics in rheumatologic clinical practice including:

- Physics of US
- How to score synovitis, tenosynovitis and enthesitis
- US in osteoarthritis
- US of tendon pathology; inflammatory versus degenerative changes
- US in patients with hip pain syndromes
- US of the spine
- US in gout
- US biopsies
- US of children with inflammatory joint diseases
- US in connective tissue diseases
- US of vessels and nerves
- Advanced US guided injections

This course is primarily theoretical, but with live demo of US during some of the lectures

High-end machines will be available for additional live-demonstrations as well as possibilities of practical exercising for participants together with dedicated tutors (faculty members with individual competences on different topics).

PROGRAM

Monday, 22nd of May

Wellcome

9.00 – 9.10 Wellcome and practical information – **Hilde Berner Hammer**

US physics and new technologies, 9.00-10.00

09.10 – 09.40: Doppler; Physics and use in clinical rheumatology -
Lene Terslev

9.40-10.10: Current evidence for the use of US in clinical practice –
Esperanza Naredo

10.10 – 10.30 Coffee break

Scoring of joint synovitis, tenosynovitis, paratenonitis and enthesitis

10.30 – 11.00: Videoclips of synovitis of joints, tendons, paratenonitis and enthesitis; what are the challenges? - **George Bruyn**

11.00 – 11.30: Scoring systems for joint synovitis published up till now, their reliability and suggestion of the preferred method - **Hamed Rezai**

11.30 – 12.00: Scoring systems for tenosynovitis and paratenonitis published up till now, their reliability and suggestion of the preferred method -
Esperanza Naredo

12.00 – 12.30: Scoring systems for entesitis published up till now, their reliability and suggestion of the preferred method -
Maria-Antonietta D'Agostino

12.30-14.00 Lunch

14.00 – 15.00: Discussion of scoring of joint synovitis, tenosynovitis and enthesitis;

- is it possible to agree on a scoring system?
- referring to recent results; when should we perform scoring?

– **Faculty members; Convenor: Hilde Berner Hammer**

US in osteoarthritis

15.00 – 15.45: US of joints in osteoarthritis; validity, reliability and suggestion of future use in the clinics - **Annamaria Iagnocco**

Coffee break 15.45-16.00

16.00 - 16.20: US of foot OA; techniques and reliability – **Peter Mandl**

16.20 – 16.40: Measuring cartilage; use and pitfalls – **Peter Mandl**

US of degenerative tendons

16.40 – 17.00: US of tendon pathologies; how to differentiate between inflammatory and degenerative tendon pathologies – **George Bruyn**

US guided injections

17.00 – 17.30: Advances in US guided injections – **David Bong**

Tuesday. 23rd of May

US of patients with hip pain syndromes

9.00-9.50: US of the posterior pelvic region; anatomy and possible causes of pain; with live demo – **David Bong**

9.50-10.40: US of the anterior pelvic region; anatomy and possible causes of pain; with live demo - **Ingrid Möller**

Break 10.40-11.00

US of the spine and nerves

11.00 – 11.40: US of the spine including live demo. Application in rheumatology - **Ingrid Möller**

11.40 – 12.00: Nerve entrapments; what is the present knowledge, and which nerves and how to assess? – **Hilde Berner Hammer**

US of the carotids

12.00 – 12.30: US of the carotids for detection of plaques in inflammatory joint diseases; should this assessment be performed by rheumatologists? – **Andreas Diamantopolous**

Lunch 12.30 - 14.00

US in gout

14.00 - 14.45: US pathology in gout patients; definitions, validity and reliability -
Lene Terslev

14.45-15.30: Discussion of

- How to optimize US for diagnostification?
- A role of US in follow-up of gout patients?
- **Faculty members; Convenor Lene Terslev**

Looking around in Tromsø

Dinner for faculty and participants

Wednesday 24th of May

US in juvenile arthritides

9.00 - 9.40: How to evaluate synovitis and tenosynovitis in patients with JIA? –

Sandrine Jousse-Joulin

9.40 – 10.00: How to evaluate enthesitis in juvenile SpA? -

Maria-Antonietta D'Agostino

US of vessels

10.00 – 10.40: Advances in US of vasculitis; validity, reliability and clinical use –

Andreas Diamantopolous

Coffee break 10.40 – 11.00

US in Mb Sjögren and scleroderma

11.00 – 11.20: US of salivary glands - **Sandrine Jousse-Joulin**

11.20 – 11.40: US of skin in scleroderma – **Emilio Filippucci**

US guided biopsies

11.40 – 12.30: US guided biopsies in rheumatology; methodology, validity, reliability and how to proceed? – **Stephen Kelly**

Lunch 12.30-13.40

13.40 – 14.10: New US technologies in rheumatology, now and in the future -

Emilio Filippuccio

The future for rheumatological US

14.10 – 14.55: Future direction of US in rheumatology; Expert opinions (each lecture 15 min)

- **Stephen Kelly** (biopsies in rheumatology)
- **Esperanza Naredo** (SpA)
- **Maria-Antonietta D'Agostino** (RA)

14.55 – 15.00: Farewell – **Hilde Berner Hammer**