

FOCUSED COURSE ON DOPPLER MODALITIES AND ADVANCED ULTRASOUND TECHNIQUES

MARCH 21-23; 2018

COPENHAGEN, DENMARK

Scientific organizers:

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Learning objective: The learning objective of the course is, through theoretical lessons and hands-on sessions, to provide participants with an in-depth knowledge of Doppler physics, how to improve settings, interpret artefacts and pitfalls. Participants will also be introduced for the clinical use of Doppler in various rheumatic conditions, and for some technical advancement in musculoskeletal ultrasound.

Participants: Maximum 36 participants, and a minimum of 30. Registration is open for all interested, but it is recommended that participants have successfully completed at least the EULAR Basic ultrasound course.

Course fee: 800 € including three days course, teaching material and meals.

Accommodation: Rooms at the AC Bella Sky Hotel can be booked through the hotel at special rate for 167€ per night up to 30 days before the course.

Certificate: Certificate of attendance will be provided by the end of the course.

Registration and contact: Organizing Secretary Linda Thomsen by mail:
linda.jeannette.thomsen@regionh.dk or phone: +45 3863 3014

Deadlines: Registration and payment must be completed before February 1st 2018. Cancellation by participants and refund of course fee is not possible after February 1st.

Venue:

AC Hotel Bella Sky

Center Boulevard 5, 2300 Copenhagen S

The course is scientifically endorsed by:

eular

fighting rheumatic & musculoskeletal
diseases together

Wednesday March 21st

13.30-14.00	Arrival and registration	All
14.00-14.10	Welcome	Uffe Møller Døhn & Lene Terslev
14.10-14.30	Opening talk	Mikkel Østergaard
14.30-15.00	Clinical relevance of detecting Doppler in joints	Emilio Filippucci
15.00-15.30	Doppler physics and factors with impact on signal	Søren Torp-Pedersen
15.30-15.45	Coffee	All
15.45-16.15	Doppler settings in joints (PRF, wall filter, frequency, gain, colour priority)	Lene Terslev
16.15-17.45	Hands-on (optimizing settings in patients)	All
17.45-18.10	Pitfalls in Doppler assessment (anatomy, joint position, external factors)	Ingrid Möller
18.10-18.40	Interactive session – Doppler in joints (feedback from workshop)	All
18.40-19.00	Clinical relevance of optimizing Doppler	Uffe Møller Døhn
20.00	Dinner at the Hotel	All

Thursday March 22nd

8.30- 9.00	Spectral Doppler	Søren Torp-Pedersen
9.00-10.00	Hands-on	All
10.00-10.20	Semi-quantitative measuring of Doppler in arthritis	Hilde Hammer
10.20-10.40	Quantitative measuring of Doppler in arthritis (resistive index and pixel fraction)	Lene Terslev
10.40-11.00	Coffee	All
11.00-13.00	Hands-on (measuring Doppler)	All
13.00-14.00	Lunch	All
14.00-14.30	Interactive session – scoring (Feedback from workshop)	All
14.30-15.00	Normal versus pathological Doppler (cut off)	Esperanza Naredo
15.00-16.00	Status: Clinical application of Doppler in <ol style="list-style-type: none"> 1. RA 2. Spa 3. Gout and CPPD 4. Degenerative conditions 	<ol style="list-style-type: none"> 1. Marcin Szkudlarek 2. Maria-Antonietta d’Agostino 3. Hilde Hammer 4. Annamaria Iagnocco
16.00-16.20	Coffee	All
16.20-17.00	Doppler artefacts and pitfalls	Søren Torp-Pedersen
17.00-17.45	Interactive session - Assessing artefacts and Quiz	All
17.45-18.00	Summary	Uffe Møller Døhn & Lene Terslev
19.00	Dinner	All

Friday March 23rd

8.30-9.00	Clinical relevance and optimizing settings in vessels	Andreas Diamantopoulos
9.00-9.20	Measuring Doppler in vessels	Uffe Møller Døhn
9.20-11.00	Hands-on (vessels)	All
11.00-11.20	Coffee	All
11.20-12.10	Advanced techniques and clinical application <ol style="list-style-type: none"> 1. Elastography 2. Needle tracking 3. Image fusion 4. Non-Doppler flow assessment 5. Contrast enhancement 6. 3D ultrasound 	<ol style="list-style-type: none"> 1. Annamaria Iagnocco 2. Juhani Koski 3. Mads Ammitzbøll-Danielsen 4. Uffe Møller Døhn 5. Maria-Antonietta d'Agostino 6. Emilio Filippucci
12.10-13.00	Lunch	All
13.00-14.30	Hands-on Advanced techniques and clinical application	All
14.30-14.45	Feedback hands-on	All
14.45-15.00	Closing remarks and course evaluation	Uffe Møller Døhn & Lene Terslev

Teachers:

Andreas Diamantopoulos • Annamaria Iagnocco • Emilio Filippucci • Esperanza Naredo • Hilde Berner Hammer • Ingrid Möller • Juhani Koski • Lars Juul • Lene Terslev • Maria-Antonietta d'Agostino • Mads Ammitzbøll • Marcin Szkudlarek • Mikkel Østergaard • Søren Torp-Pedersen • Uffe Møller Døhn