

Eular Ultrasound Course 2012 in Berlin

June 3-6, 2012

Preliminary Programme

Venue: Hotel Ramada Berlin Alexanderplatz****

Karl-Liebknecht-Straße 32, 10178 Berlin, Germany

Participation fee:

Full package: Ultrasound course, 3 nights in Ramada Alexander Hotel including all meals:
1300 €

Ultrasound course only: 850 €

Number of delegates: 162

Basic 66: 11 groups

Intermediate 48: 8 groups

Advanced 48: 8 groups

Educational Objectives

Basic Course:

- Identify normal musculoskeletal sonoanatomy
- Perform systematic ultrasound scanning of shoulders, elbows, hands, hips, knees and feet
- Know the basic pathological sonographic findings

Intermediate Course:

- Identify frequent musculoskeletal abnormalities in rheumatology with ultrasound
- Apply power Doppler ultrasound in inflammatory rheumatic diseases
- Perform ultrasound guided injections

Advanced Course:

- Diagnose rheumatologic, degenerative and traumatic musculoskeletal lesions with ultrasound
- Identify sonographic abnormalities in pediatric rheumatology, vasculitis and connective tissue diseases
- Discuss new ultrasound technological developments in rheumatology

Scientific organizers

Prof. Dr. med. Marina Backhaus
 Medizinische Klinik mit Schwerpunkt Rheumatologie und Klinische Immunologie
 Charité Universitätsmedizin Berlin, Campus Mitte
 Charitéplatz 1
 10117 Berlin, Germany
 Tel. +49 30 450 513 137
 Fax. +49 30 450 513 939
 E-mail: marina.backhaus@charite.de

Prof. Dr. med. Wolfgang A. Schmidt
 Immanuel Krankenhaus Berlin
 Rheumaklinik Berlin Buch
 Lindenberger Weg 19
 13125 Berlin, Germany
 Tel. +49 30 9479 2306
 Fax +49 30 9479 2550
 E-mail: w.schmidt@immanuel.de; schmidt.wa@t-online.de

Organizing Secretariat

Federica Begotti, Maria Vizzarro
 Elsevier Srl
 Via Paleocapa, 7
 20121 Milano
 Tel.: +39 346 5014.941
 E-mail: f.begotti@elsevier.com; m.vizzarro@elsevier.com

Basic course - room Alexander II

Sunday, 3rd June, 2012

	Topic	Speaker	Chair
12.00-14.00	Registration, Snacks		
14.00	Opening	Marina Backhaus Wolfgang Schmidt Hans Bijlsma	Plenary Marina Backhaus Wolfgang Schmidt

14.15-14.50	Why I am ultrasound-addicted	Walter Grassi	Plenary
15.00	Introduction of faculty	Marina Backhaus	Marina Backhaus
15.15	History of ultrasound	George Bruyn	
15.45	Physics of ultrasound	Peter Mandl	
16.15	Coffee break		
16.30	What is what on an ultrasound machine? What to see on the monitor	Wolfgang Hartung	Richard Wakefield
17.00	Sonographic pattern of musculoskeletal tissues	Richard Wakefield	
17.30	Artefacts and pitfalls	David Kane	
18.00-19.00	How to sit, hold the probe, orientate at ultrasound image and set an ultrasound machine	Hands-on-scanning	
19.30	Dinner		
			4:45 hrs. 3:45 hrs. theory 1:00 hrs. hands-on

Monday:

	Topic	Speaker	Chair
8.30	Anatomy and standard scans of the wrist	Marina Backhaus	Hilde Berner Hammer
8.55	Life demonstration wrist	Marina Backhaus	
9.10	Anatomy and standard scans of the fingers	Hilde Berner Hammer	
9.30	Life demonstration fingers	Hilde Berner Hammer	
9.45	Anatomy and standard scans of the elbow	Marina Backhaus	
10.00	Life demonstration elbow	Marina Backhaus	
10.15	Coffee break		
10.30	Standardized scanning of normal hands, fingers and elbows	Hands-on-scanning (healthy models)	
12.00	Anatomy and standard scans of the shoulder	George Bruyn	Marina Backhaus
12.40	Life demonstration shoulder	George Bruyn	
13.00	Buffet Lunch		
14.00	Standardized scanning of the normal shoulder	Hands-on scanning (healthy models)	
15.30	Coffee break		

15.45	Basic pathology of hand and fingers	Nanno Swen	George Bruyn
16.05	Basic pathology of the elbow	Wolfgang Hartung	
16.20	Basic pathology of the shoulder	George Bruyn	
16.45-18.30	Basic pathology of the upper extremity	Hands-on scanning (patients)	
18.30-19.00	Group photo		
19.30	Dinner		
			8:30 hrs. 2:40 hrs. theory 4:45 hrs. hands-on 1:05 hrs. live-demo

Tuesday:

	Topic	Speaker	Chair
8.30	Anatomy and standard scans of the knee	David Kane	Nanno Swen
9.00	Life demonstration knee	David Kane	
9.15	Anatomy and standard scans of the hip	Nanno Swen	
9.30	Life demonstration hip	Nanno Swen	
9.45	Coffee break		
10.00	Standardized scanning of the normal knee and hip	Hands-on-scanning (healthy models)	
11.30	Anatomy and standard scans of the ankle and midfoot	Richard Wakefield	Hilde Berner Hammer
12.10	Life demonstration ankle and midfoot	Richard Wakefield	
12.30	Anatomy and standard scans of the toes	Hilde Berner Hammer	
12.45	Life demonstration toes	Hilde Berner Hammer	
13.00	Buffet Lunch		
14.00	Standardized scanning of the normal foot	Hands-on-scanning (healthy models)	
15:30	Coffee break		
15:45	Basic pathology of the hip	Wolfgang Hartung	Peter Mandl
16:00	Basic pathology of the knee	Marina Backhaus	
16.20	Basic pathology of the foot	Peter Mandl	
16.45-18.30	Basic pathology of the lower extremity	Hands-on scanning (patients)	
19.30	Dinner		8:30 hrs.

			2:40 hrs. theory 4:45 hrs. hands-on 1:05 hrs. live-demo
--	--	--	---

Wednesday

	Topic	Speaker	Chair
8.30	Role of ultrasound in daily clinical practice	David Kane	Wolfgang Hartung
9.00	How to improve my ultrasound skills in daily clinical practice	Wolfgang Hartung	
9.20	What do I need to know when buying ultrasound equipment?	Peter Mandl	
9.40	How to save images and write a report	Richard Wakefield	
10.00	Coffee break		
10.30	Case report shoulder	George Bruyn	David Kane
10.45	Case report hand	Hilde Berner Hammer	
11.00	Case report knee	Nanno Swen	
11.15	Case report foot	Peter Mandl	
11.30	Sono-quiz	David Kane	Closing Remarks: Marina Backhaus
12.30-13.00	Farewell snacks		
			3:45 hrs. 2:45 hrs. theory 1:00 hr. quiz

Timing basic course

	Total time	Theory	Live-demo / quiz	hands-on
Sunday	4:45	3:45	-	1:00
Monday	8:30	2:40	1:05	4:45
Tuesday	8:30	2:40	1:05	4:45
Wednesday	3:45	2:45	1:00	-
Total	25:30	11:50 (46%)	3:10 (12%)	10:30 (41%)

Intermediate Course - Room Alexander I

Sunday:

	Topic	Speaker	Chair
12.00-14.00	Registration, Snacks		
14.00	Opening	Marina Backhaus Wolfgang Schmidt Hans Bijlsma	Plenary Marina Backhaus Wolfgang Schmidt
14.15-14.50	Why I am ultrasound-addicted	Walter Grassi	Plenary
15.00	Introduction of faculty	Peter Balint	Peter Balint
15.15	Brush-up sono-anatomy and structures	Hands-on-scanning (healthy models)	
16.45	Coffee break		
17.00	Indications for colour Doppler in musculo-skeletal ultrasound	Emilio Fillipucci	Sören Torp Pedersen
17.25	Physics of colour Doppler ultrasound and artefacts	Lene Terslev	
17.45	Colour Doppler settings	Sören Torp Pedersen	
18.00-19.00	Train to adjust colour settings correctly	Hands-on-scanning (participants)	
19.30	Dinner		
			4:45 hrs. 2:15 hrs. theory 2:30 hrs. hands-on

Monday:

	Topic	Speaker	Chair
8.30	Tendons, nerves and ligaments of the hand	Peter Balint	Marcin Szkudlarek
9.00	Pathology of the hand	Marcin Szkudlarek	
9.30	Pathology of the hand including colour Doppler	Hands-on-scanning	
11.15	Coffee break		
11.30	Introduction to enthesitis	Emilio Fillipucci	Ralf Thiele
11.55	Pathology of the elbow	Ralf Thiele	
12.15	Pathology of the elbow	Hands-on-scanning	
13.00	Buffet Lunch		
14.00	Brush-up: How to scan the shoulder	Johannes Strunk	Peter Balint
14.30	Pathology of the shoulder	Hands-on scanning	
16.30	Coffee break		
16.45	Dynamic examination of the shoulder	Sören Torp Pedersen	Juhani Koski
17.05	Inflammatory lesions of the shoulder	Juhani Koski	

17.40	Shoulder ultrasound in polymyalgia rheumatica	Peter Balint	
18.00-18.30	Traumatic and degenerative lesions of the shoulder	Michel Court Payen	
18.30-19.00	Group photo		
19.30	Dinner		
			8:30 hrs. 4:00 hrs. theory 4:30 hrs. hands-on

Tuesday:

	Topic	Speaker	Chair
8.30	Pathology of the hip region	Juhani Koski	Emilio Fillipucci
9.00	Pathology of the knee	Johannes Strunk	
9.45	Introduction to osteoarthritis	Emilio Fillipucci	
10.15	Coffee break		
10.30	Pathology of the hip and knee	Hands-on-scanning	
13.00	Buffet Lunch		
14.00	Brush-up: How to scan the ankle and foot	Ralf Thiele	Johannes Strunk
14.20	Inflammatory lesions of the ankle joints	Johannes Strunk	
14.40	Traumatic lesions of the foot and ankle	Michel Court-Payen	
15.10	Pathology of the Achilles tendon, plantar fascia, midfoot and toes	Lene Terslev	
15.40	Crystal arthropathy	Ralf Thiele	
16.00	Coffee break		
16.15-18.30	Pathology of the ankle and foot	Hands-on scanning	
19.30	Dinner		
			8:30 hrs. 3:45 hrs. theory 4:45 hrs. hands-on

Wednesday

	Topic	Speaker	Chair
8.30	How to quantify synovitis	Marcin Skudlarek	Lene Terslev

9.00	How to quantify inflammatory bone damage	Lene Terslev	
9.20	Introduction to sonographic-guided injections	Juhani Koski	
10.00	Coffee break		
10.15	Ultrasound guided injections	Hands-on-scanning	
11.15	Sono-quiz	Sören Torp-Pedersen	Closing remarks: Peter Balint
12.30-13.00	Farewell snacks		
			3:45 hrs. 1:30 hrs. theory 1:00 hrs. hands-on 1:15 hrs. quiz

Timing intermediate course

	Total time	Theory	Live-demo / quiz	hands-on
Sunday	4:45	2:15	-	2:30
Monday	8:30	4:00	-	4:30
Tuesday	8:30	3:45	-	4:45
Wednesday	3:45	1:30	1:15	1:00
Total	25:30	11:30 (45%)	1:15 (5%)	12:45 (50%)

Advanced course - Room Alexander III

Sunday: (Topic: Nerves)

Faculty: Wolfgang Schmidt, Walter Grassi, Sandrine Jousse – Joulin, Maria-Antonietta D'Agostino, Annamaria Iagnocco, Juhani Koski, Esperanza Naredo, Ingrid Möller, Artur Bachtá

	Topic	Speaker	Chair
12.00-14.00	Registration, Snacks		
14.00	Opening	Marina Backhaus Wolfgang Schmidt Hans Bijlsma	Plenary Marina Backhaus Wolfgang Schmidt
14.15-14.50	Why I am ultrasound-addicted	Walter Grassi	Plenary
15.00	Introduction of faculty	Wolfgang Schmidt	Wolfgang Schmidt
15.15	Anatomy of nerves of the upper extremities	Carlo Martinoli	
15.40	Anatomy of nerves of the lower extremities	Ingrid Möller	

16.00	Coffee break		
16.15	Nerve pathology of the upper extremities	Carlo Martinoli	David Bong
16.40	Nerve pathology of the lower extremities	David Bong	
17.00-19.00	Anatomy of nerves	Hands-on-scanning (models)	
19.30	Dinner		
			4:45 hrs. 2:45 hrs. theory 2:00 hrs. hands-on

Monday: (Topics: Morning: Traumatology and soft tissue lesions; Afternoon: Quantification, Advanced Shoulder Ultrasound)

	Topic	Speaker	Chair
8.30	Traumatic tendon and ligament lesions	Artur Bachta	Esperanza Naredo
9.00	Rheumatologic tendon, enthesitis and ligament lesions	Esperanza Naredo	
9.30	Muscle pathology	Artur Bachta	
10.00	Soft tissue lesions	Michel Court-Payen	
10.30	Coffee break		
10.45	Tendons, ligaments, muscles and soft tissue	Hands-on-scanning	
13.00	Buffet Lunch		
14.00	How to quantify inflammation (incl. optimizing Doppler settings)	Annamaria Iagnocco	Maria Antonietta D'Agostino
14.20	How to quantify damage	Maria Antonietta D'Agostino	
14.40	Uncommon findings	David Bong	
15.00	Quantify findings	Hands-on-scanning	
16.00	Coffee break		
16.15	Advanced pathology at the shoulder	Esperanza Naredo	Wolfgang Schmidt
16.45-18.30	Advanced pathology at the shoulder	Hands-on-scanning	
18.30-19.00	Group photo		
19.30	Dinner		
			8:30 hrs. 3:30 hrs. theory 5:00 hrs. hands-on

Tuesday: (Topics: Morning: Connective tissue disease and vasculitis; Afternoon: Pediatric ultrasound and interventions)

	Topic	Speaker	Chair
--	-------	---------	-------

8.30	Ultrasound in Sjögren's syndrome	Sandrine Jousse-Joulin	Michel Court Payen
9.00	Arterial ultrasound: Vasculitis and scleroderma	Wolfgang Schmidt	
9.50	Ultrasonography of lymph nodes	Ingrid Möller	
10.10	Thrombosis	Wolfgang Schmidt	
10.30	Coffee break		
10.45	Connective tissue disease and vasculitis	Hands-on-scanning	
13.00	Buffet Lunch		
14.00	Normal pediatric ultrasound	Johannes Roth	Johannes Roth
14.30	Abnormal pediatric ultrasound	Sandrine Jousse-Joulin	
15.00	Pediatric ultrasound	Hands-on-scanning	
16.00	Coffee break		
16.15	Sonographic guided musculoskeletal intervention procedures	Walter Grassi	Ingrid Möller
16.45-18.30	Discuss how to perform interventional procedures, miscellaneous findings	Hands-on-scanning	
19.30	Dinner		
			8:30 hrs. 3:30 hrs. theory 5:00 hrs. hands-on

Wednesday (Topics: New technologies, scientific aspects, evaluation)

	Topic	Speaker	Chair
8.30	Elastography and Fusion Imaging	Annamaria Iagnocco	Walter Grassi
9.00	3D and 4D ultrasound	Walter Grassi	
9.25	New technologies	Hands-on-scanning	
10.25	Coffee break		
10.40	How to analyse and interpret a scientific paper on ultrasound	Esperanza Naredo	Annamaria Iagnocco
11.05	Validity of ultrasound	Maria-Antonietta D'Agostino	
11.20	Year in Review: What's new on ultrasound in rheumatology	Ingrid Möller	
11.45	Sono-quiz	Annamaria Iagnocco	Closing remarks: Wolfgang Schmidt

12.30-13.00	Farewell snacks		
			3:45 hrs. 2:00 hrs. theory 1:00 hrs. hands-on 0:45 hrs. quiz

Timing advanced course

	Total time	Theory	Live-demo / quiz	hands-on
Sunday	4:45	2:45	-	2:00
Monday	8:30	3:30	-	5:00
Tuesday	8:30	3:30	-	5:00
Wednesday	3:45	2:00	0:45	1:00
Total	25:30	11:45 (46%)	0:45 (3%)	13:00 (51%)

Basic Course Faculty and 12 local tutors from Berlin

1. Marina Backhaus
2. George Bruyn
3. Peter Mandl
4. Wolfgang Hartung
5. Hilde Berner Hammer
6. David Kane
7. Nanno Swen
8. Richard Wakefield

Intermediate Course Faculty and 12 local tutors from Berlin

1. Johannes Strunk
2. Lene Terslev
3. Sören Torp Pedersen
4. Emilio Fillipucci
5. Peter Balint
6. Ralf Thiele
7. Marcin Szkudlarek
8. Juhani Koski

Advanced Course Faculty plus 6 international tutors

1. Wolfgang Schmidt

2. Walter Grassi
3. Sandrine Jousse – Joulin
4. Maria-Antonietta D’Agostino
5. Annamaria Iagnocco
6. Esperanza Naredo
7. Ingrid Möller
8. David Bong
9. Artur Bachta
10. Michel Court Payen (plus 2 talks in intermediate course)
11. Johannes Roth
12. Carlo Martinoli

International Tutors:

- Fred Joshua
- Nemanja Damjanov
- Alessandra Bruns
- Mihaela Taylor
- Jürgen Craig Müller
- Marwin Gutierrez