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ROCHESTER

University of Rochester
School of Medicine & Dentistry
Department of Medicine
Division of Allergy/Immunology &
Rheumatology
601 Elmwood Avenue, Box 695
Rochester, NY 14642

University of Rochester
School of Medicine & Dentistry
Department of Medicine
Division of Allergy/Immunology & Rheumatology

Presents

Musculoskeletal Ultrasound in Rheumatology

Friday, September 28 – Sunday, September 30, 2007

Sponsored by:

UNIVERSITY OF
ROCHESTER
SCHOOL OF MEDICINE & DENTISTRY
Office of Continuing Professional Education

Location

The course will take place at
Hyatt Regency Rochester
125 East Main Street,
Rochester, New York, USA 14604
Phone: +1 585 546 1234
Fax: +1 585 546 6777

Contact Info

Email: MSK_Ultrasound@urmc.rochester.edu
Web: www.urmc.edu/MEDICINE/air/rmup
Mail: Ultrasound Course
Division of Allergy/Immunology & Rheumatology
Department of Medicine
University of Rochester Medical Center
601 Elmwood Avenue Box 695
Rochester, NY 14642
Phone: +1 585 276 3445
Fax: +1 585 442 3214

Fees

Attending Physician: \$ 940
Resident, Fellow: \$ 590
Fees include attendance at all course sessions, course materials,
continental breakfast, lunch and beverages. The registration fee must
accompany the registration form. Please make checks payable to:
University of Rochester.

Accommodations

A block of rooms has been reserved at Hyatt Regency Rochester.
Attendees requiring overnight accommodations should call +1585 546 1234.
When making reservations, please indicate that you will be attending
the University of Rochester Musculoskeletal Ultrasound Course to
receive the reduced rate.

Course Director

Ralf Thiele, MD
Assistant Professor of Medicine
University of Rochester

Co-Director

Darren Tabechian, M.D.
Assistant Professor of Medicine
University of Rochester

Invited Faculty

Dr. Andrew K Brown
Lecturer
University of Leeds

Dr. Wolfgang Schmidt
Consultant Rheumatologist
Medical Center for Rheumatology
Berlin-Buch, Germany

Dr. Richard Wakefield BM, MRCP, MD
Senior Lecturer /Honorary Consultant in Rheumatology
Academic Department of Musculoskeletal Disease
Chapel Allerton Hospital
Leeds

Course Objectives

This course seeks to address the following core competencies of a rheumatologist sonographer:

1. Understand the basic principles of physics underlying the use of ultrasound
2. Understand the indications and limitations for performing an ultrasound assessment
3. Correctly set up an ultrasound machine for scanning with optimization of machine settings
4. Carry out an ultrasound assessment of each anatomical area using a structured system of examination
5. Correctly identify normal musculoskeletal anatomy using ultrasound
6. Correctly identify and demonstrate appropriate musculoskeletal pathology using ultrasound
7. Optimize the ultrasound image with manipulation of machine settings
8. Understand the principles of color and power Doppler and be able to appropriately utilize these techniques
9. Understand the clinical relevance of the ultrasound findings and appropriately apply this to patient management
10. Write a written report of ultrasound findings and record appropriate images in a suitable archive

Ultrasonography for rheumatologists: the development of specific competency based educational outcomes A K Brown, P J O'Connor, T E Roberts, R J Wakefield, Z Karim and P Emery. Ann Rheum Dis. 2006

Needs Statement/Specific Course Topics

Ultrasonography is now appreciated as a valuable tool for diagnosis, monitoring and intervention in Rheumatology. The number of scientific publications has been steadily increasing over the last 15 years. Learning the practice of ultrasound requires supervised, hands-on training, which this course seeks to provide. Specific topics of this course are:

- Diagnosis of erosions by ultrasound
- Diagnosis of synovitis by ultrasound
- Diagnosis of enthesitis by ultrasound
- Diagnosis of gout by ultrasound
- Diagnosis of vasculitis by ultrasound
- Assessment of treatment response by ultrasound
- Use of color Doppler and power Doppler
- Ultrasound guidance of aspirations and injections

Accreditation Statement

The University of Rochester School of Medicine & Dentistry is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Certification Statement

The University of Rochester School of Medicine & Dentistry designates this educational activity for a maximum of *19.0 AMA PRA Category 1 credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Musculoskeletal Ultrasound in Rheumatology

Friday, September 28 – Sunday, September 30, 2007

Registration Form (Please Print)

Name _____ Title _____

Address _____

City/State _____ ZIP _____

Institution or Affiliation _____

Practice Specialty _____

Office Telephone _____ Fax _____

E-mail _____

PLEASE RETURN THIS FORM WITH PAYMENT TO:

Ultrasound Course

Rheumatology, Allergy/Immunology Unit
University of Rochester Medical Center
601 Elmwood Avenue, Box 695
Rochester, NY 14642

Program	Friday, September 28, 2007	Saturday, September 29, 2007	Sunday, September 30, 2007
8:00 am – 8:30 am	Registration/Continental Breakfast	8:00 am – 8:30 am Sign-in, Continental Breakfast	8:00 am – 8:30 am Sign-in, Continental Breakfast
8:30 am – 9:10 am	Principles of Musculoskeletal Ultrasound <i>Dr. Ralf Thiele, MD</i>	8:30 am – 9:15 am The Elbow – Standard Scans, Sonographic Anatomy and Sonographic Pathology <i>Darren Tabechian, MD</i>	8:30 am – 9:15 am The Knee – Standard Scans, Sonographic Anatomy and Sonographic Pathology <i>Richard Wakefield, MD</i>
9:15 am – 9:45 am	Ultrasound Education: What a Rheumatologist-Ultrasonographer should know <i>Andrew Brown, MD</i>	9:25 am – 10:15 am Hands-on scanning: The Elbow, <i>All Faculty</i>	9:25 am – 9:35 am Demonstration: Scanning of the Knee
9:50 am – 10:20 am	Ultrasound Tissue Characterization – OMERACT Definitions of Pathology <i>Richard Wakefield, MD</i>	10:15 am – 11:00 am Wrist and Hand – Standard Scans, Sonographic Anatomy and Sonographic Pathology <i>Andrew Brown, MD</i>	9:35 am – 10:20 am Hands-on scanning: The Knee <i>All Faculty</i>
10:25 am – 10:55 am	The Role of Color and Power Doppler Ultrasound in Rheumatology – Diagnosis of Vasculitis <i>Wolfgang Schmidt, MD</i>	11:10 am – 12:00 pm Hands-on scanning: Wrist and Hand, <i>All Faculty</i>	10:20 am – 10:40 am Billing, Documentation and Report Generation <i>Darren Tabechian, MD</i>
11:00 am – 12:00 pm	Hands-on scanning: Tissue Characterization <i>All Faculty</i>	12:00 pm – 1:00 pm Lunch Break	10:45 am – 11:00 am Ultrasound Needle Guidance: Hip, Knee, Ankle, Foot <i>Ralf Thiele, MD</i>
12:00 pm – 1:00 pm	Lunch Break	1:00 pm – 1:25 pm The Hip – Standard Scans, Sonographic Anatomy and Sonographic Pathology <i>Wolfgang Schmidt, MD</i>	11:05 am – 12:00 pm Hands-on scanning: Ultrasound Needle Guidance – Practice on Phantoms <i>All Faculty</i>
1:00pm – 1:45 pm	The Shoulder – Standard Scans, Sonographic Anatomy and Sonographic Pathology <i>Wolfgang Schmidt, MD</i>	1:30 pm – 2:00 pm Hands-on scanning: The Hip, <i>All Faculty</i>	
1:55 pm – 2:10 pm	Demonstration: Scanning of the Shoulder	2:00 pm – 2:45 pm Ankle & Foot – Standard Scans, Sonographic Anatomy and Sonographic Pathology <i>Ralf Thiele, MD</i>	
2:10 pm – 3:45 pm	Hands-on scanning: The Shoulder <i>All Faculty</i>	2:55 pm – 3:45 pm Hands-on scanning: Ankle & Foot, <i>All Faculty</i>	
3:45 pm – 4:00 pm	Introduction to Needle Guidance <i>Ralf Thiele, MD</i>	3:45 pm – 4:00 pm Ultrasound Needle Guidance: Shoulder, Elbow, Wrist, Hand <i>Ralf Thiele, MD</i>	
4:00 pm – 5:00 pm	Hands-on scanning: Introduction to Needle Guidance <i>All Faculty</i>	4:00 pm – 5:00 pm Hands-on scanning: Needle Guidance – Aspiration and Injection, <i>All Faculty</i>	
		6:30 pm – 8:30 pm Dinner lecture: State of the Art in Musculoskeletal Ultrasound <i>Wolfgang Schmidt, MD</i>	