

Thoracic Ultrasound for Chest Physicians

April 12 - 13, 2012
Thursday and Friday

Eric P. Newman Education Center
Washington University Medical Center
St. Louis, Missouri

Course Chair
Alexander C. Chen, MD

Presented By
The Division of Pulmonary and
Critical Care Medicine

Bring Your Laptop!

Electronic Syllabus!

Sponsored By
Washington University School of Medicine
Continuing Medical Education

COURSE OBJECTIVES

This course is designed for practicing pulmonary physicians, interventional pulmonologists, critical care physicians, thoracic, cardiothoracic and cardiovascular surgeons, interventional radiologists, radiation oncologists and oncologists. The intended result of this activity is increased knowledge, competency and improved performance and skill, and enhanced patient care through updated information in endobronchial ultrasound (EBUS) and transthoracic ultrasound. Upon completion of this course, participants should be able to:

- Perform linear array endobronchial ultrasound for centrally located lesions with improvement in technique.
- Implement radial endobronchial ultrasound for peripheral pulmonary lesions into their practice.
- Perform transthoracic ultrasound for evaluation of pleural effusion.
- Perform transthoracic ultrasound for chest tube placement.
- Perform biopsy of pleural-based lesions.

DISCLOSURE POLICY

It is the policy of Washington University School of Medicine, Continuing Medical Education, to ensure balance, independence, objectivity and scientific rigor in all its educational activities. All faculty participating in this activity are expected to disclose to the audience any financial interest or other relationship he/she has with the manufacturer(s) of any commercial product(s) discussed in an educational presentation.

Speakers are also expected to openly disclose inclusion of discussion of any off-label, experimental, or investigational use of drugs or devices in their presentations.

ACCREDITATION

Washington University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT

Washington University designates this live educational activity for a maximum of **13.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

GUEST FACULTY

David Feller-Kopman, MD

Associate Professor of Medicine
Director, Bronchoscopy and Interventional Pulmonology
Johns Hopkins Hospital, Baltimore, Maryland

Kevin L. Kovitz, MD, MBA

Director, Chicago Chest Center, Elk Grove Village, Illinois

Martin L. Mayse, MD

Co-Founder and Chief Medical Officer
Innovative Pulmonary Solutions, Inc., Bellevue, Washington

Momen M. Wahidi, MD, MBA

Associate Professor of Medicine
Director, Interventional Pulmonology and Bronchoscopy
Division of Pulmonary, Allergy and Critical Care Medicine
Duke University Medical Center, Durham, North Carolina

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE AND BARNES-JEWISH HOSPITAL ACTIVITY FACULTY

Alexander C. Chen, MD, Assistant Professor of Medicine and Surgery
Director, Interventional Pulmonology; Divisions of Pulmonary and
Critical Care Medicine and Cardiothoracic Surgery

Brian T. Collins, MD

Associate Professor of Pathology and Immunology
Section Head, Cytopathology
Division of Anatomic and Molecular Pathology

Jennifer A. (Hutchings) Massoni, MSN, NP-C

Adult Nurse Practitioner
Department of Interventional Pulmonology
Division of Pulmonary and Critical Care Medicine

Bryan F. Meyers, MD, MPH

Patrick and Joy Williamson Professor of Surgery
Chief, Section of Thoracic Surgery, Division of Cardiothoracic Surgery

David Misselhorn, RRT

Registered Respiratory Therapist, Interventional Pulmonology
Division of Pulmonary and Critical Care Medicine
Barnes-Jewish Hospital Respiratory Care Department

Daniel K. Mullady, MD

Assistant Professor of Medicine, Division of Gastroenterology

THURSDAY, APRIL 12

- 7:45am** *Registration & Continental Breakfast*
- 8:15** **Welcome** - Alexander C. Chen, MD
- 8:30** **Basic Principles of Ultrasound** - Martin L. Mayse, MD
- 9:00** **Surgical Staging of the Mediastinum and Hila**
Bryan F. Meyers, MD, MPH
- 9:30** **Esophageal Ultrasound for Lung Cancer Staging**
Daniel K. Mullady, MD
- 10:00** **Question and Answer Session**
- 10:30** *Refreshment Break*
- 11:00** **Transbronchial Needle Aspiration**
David Feller-Kopman, MD
- 11:30** **Convex Probe (Linear Array) Endobronchial Ultrasound for Central Lesions**
Momen M. Wahidi, MD, MBA
- 12:15pm** **Question and Answer Session**
- 12:30** *Luncheon (to be provided)*
- 1:30** **Radial Endobronchial Ultrasound for Peripheral Pulmonary Lesions** - Alexander C. Chen, MD
- 2:00** **EBUS: Cytologists' Perspective** - Brian T. Collins, MD
- 2:30** **Question and Answer Session**
- 3:00** *Refreshment Break*
- 3:30** **EBUS Equipment and Setup**
David Misselhorn, RRT
- 4:00** **EBUS Credentialing and Utilization in a Group Practice** - Kevin L. Kovitz, MD, MBA
- 4:30** **EBUS Pearls: How to Optimize Your Results**
Course Faculty
- 5:00** **Panel Discussion with Question and Answer Session**
- 5:30** *Adjourn*
- 5:45** **Optional Non-CME Dinner with Course Faculty**
Course attendees and guests are welcome to purchase ticket(s) to attend a delicious dinner and enjoy a lively social evening with Washington University and visiting faculty at a fine St. Louis dining establishment (to be announced at a later date).

FRIDAY, APRIL 13

7:45am *Registration & Continental Breakfast*

8:15 **Welcome** - Alexander C. Chen, MD

8:30 **Introduction to Thoracic Ultrasound for Pleural Disease** - David Feller-Kopman, MD

9:00 **Ultrasound-Guided Thoracentesis**
Alexander C. Chen, MD

9:30 **Question and Answer Session**

10:00 *Refreshment Break*

10:30 **Ultrasound-Guided Tube Thoracostomy**
Momen M. Wahidi, MD, MBA

11:00 **Ultrasound-Guided Transthoracic Needle Aspiration and Core Biopsy** - Martin L. Mayse, MD

11:30 **Ultrasound-Guided Catheter Placement for Management of Malignant Pleural Effusions**
Kevin L. Kovitz, MD, MBA

12:00pm **Question and Answer Session**

12:30 *Luncheon (to be provided)*

1:30 **Hands-On Sessions**

Sessions will include:

- Linear array endobronchial ultrasound (EBUS) transbronchial needle aspiration for central lesions.
- Radial endobronchial ultrasound for peripheral lesions.
- Transthoracic ultrasound for evaluating pleural effusions.
- Transthoracic ultrasound for assistance with image-guided thoracentesis, transthoracic biopsies and chest tubes.
- Tunneled catheter placement.

2:45 *Refreshment Break*

3:15 **Resume Hands-On Sessions**

4:30 *Adjourn*

Please Note

**A USB drive will be issued to course attendees.
Please remember to bring your laptops!**

GENERAL INFORMATION

Location: Eric P. Newman Education Center (EPNEC) 320 S. Euclid Ave., St. Louis, Missouri 63110 (www.epnec.wustl.edu), **2nd Floor, Seminar Room B**. Since meeting room temperatures are difficult to regulate to everyone's appeal, bringing a jacket or sweater is recommended. A map will be included with the registration acknowledgement.

Parking: Courtesy parking for paid registrants at the **BJH North Garage** (on Euclid Avenue at Parkview Place). Overnight parking cannot be validated. Validation for other medical center parking garages is not available.

Hotel Accommodations: To receive special rates, **please ask for the Washington University Thoracic Ultrasound block by April 2, 2012** (reserve early, space limited).

- **The Parkway Hotel \$129 (+tax)** (on the medical center campus)
(314) 256-7777 toll free (866) 314-7700 www.theparkwayhotel.com
4550 Forest Park Blvd., St. Louis, MO 63110
- **Chase Park Plaza \$165 (+ tax)** (5 blocks from the medical center campus)
(314) 633-3000 toll free (877) 587-2427 www.chaseparkplaza.com
212 N. Kingshighway Blvd., St. Louis, MO 63108

Please Note: Washington University is not responsible for airline or hotel reservations. Please confirm registration acceptance prior to purchase of nonrefundable or penalty airline tickets.

Cancellations: Registration fee less \$50 administrative charge is refundable if cancellation is received **in writing** by April 2, 2012.

Transportation/MetroLink: The Central West End MetroLink Station is conveniently located at the medical center on Euclid Ave, ½ block south of EPNEC, 1 block from The Parkway Hotel. The MetroLink trip from the airport (station at the airport) to the medical center takes approximately 20 minutes and costs \$3.75 (<http://www.metrostlouis.org>). Taxis from the airport cost approximately \$45.

Special Needs: Continuing Medical Education at Washington University School of Medicine fully complies with the legal requirements of the Americans with Disabilities Act rules and regulations thereof. If any participant of this meeting is in need of accommodations, please do not hesitate to submit written requests at least one month prior to seminar date. Assisted listening devices available on loan.

For Further Seminar Information:

Continuing Medical Education, Washington University School of Medicine
Phones: (314) 362-6891 (800) 325-9862 Fax: (314) 362-1087
Email: CME@wustl.edu Website: cme.wustl.edu

Day of Seminar Only Telephone Number: (314) 747-6338

Callers should ask for the Thoracic Ultrasound Conference.

Minimum and Maximum Enrollments Have Been Established.

ADVANCE REGISTRATION
Thoracic Ultrasound for Chest Physicians
Thursday & Friday, April 12-13, 2012

Please remember to bring your laptops! A USB drive will be issued to course attendees.

First Name Initial Last Name Degree

Address

City/ State/ Zip

Office Telephone Number Fax

Specialty

If you wish to receive CME announcements online, indicate your email address.
Medical School Graduate of Washington Univ Other Year _____

REGISTRATION FEES: By April 2 After April 2

Physician \$800 \$850

Fee includes enrollment, continuing education credits, educational materials, hands-on sessions, continental breakfasts, refreshment breaks, luncheons, and daily parking (paid meeting participants only).

Thursday, April 12th

Optional Non-CME Dinner (restaurant to be announced)

Yes, I wish to purchase a dinner ticket. **\$85.00**

Yes, I wish to purchase an additional dinner ticket. **\$85.00**

No, I do not wish to attend the dinner.

Total Enclosed \$ _____

CONVENIENT WAYS TO REGISTER!

ONLINE Secure online registration available at:

<http://cme.wustl.edu>

Will receive immediate payment confirmation.

MAIL this completed form with your check payable to Washington University.
CME/WUSM, Campus Box 8063, 660 S. Euclid Ave., St. Louis, MO 63110

FAX this completed form with credit card information to: Fax 314-362-1087

MasterCard Visa Discover American Express

Name on Card _____

Card # _____

Exp. Date _____ Signature _____