CHEST IMAGING

October 15-17, 2012
The Fairmont Copley Plaza
Boston, MA

COURSE DIRECTORS
Andetta R Hunsaker, MD
Jo-Anne O Shepard, MD

GUEST FACULTY
David Hansell, MD, FRCP, FRCR, FRSM
Royal Brompton Hospital, UK

Ann N Leung, MD
Stanford University

Design by: Anna McCormick
COURSE DESCRIPTION

Chest Radiology is no longer a field where chest x-rays are the sole modality of imaging. The specialty is now much more comprehensive and includes Computed Tomography, Magnetic Resonance Imaging and Interventional procedure. Interventional work includes obtaining adequate tissue for molecular work up in the growing field of molecular targets for lung cancer. The Radiologist’s role is expanding significantly in this area. This rapidly expanding subspecialty makes it difficult for those in private practice to stay current. Thus, this three day chest course will include sessions on imaging in lung cancer, Interventional radiology in the chest, interstitial lung disease, vascular and cardiac diseases as well as mediastinal pathologies, airways diseases, pulmonary nodule evaluation, pulmonary infections and methods of radiation dose reduction. The educational format will largely be didactic lectures supplemented by question and answer periods.

KEY TOPICS

• Cardiac Imaging: MDCT and MRI
• Pulmonary Embolism
• Diffuse Lung Disease
• HRCT
• Lung Cancer Imaging: Detection and Staging
• Pulmonary Nodule Detection: CAD
• FDG-PET Imaging
• Functional Imaging of the Lung
• Airways Disease
• Radiation Dose
• ICU/Trauma Radiology
• Lung Transplantation
• Pulmonary Infections
• Thoracic Intervention: Biopsy and Ablation

OBJECTIVES

Upon completion of this activity, participants will be able to:

• Apply new imaging parameters on their scanners in order to dramatically reduce radiation dose in all patients
• Select the appropriate imaging strategies in pregnant patients suspected of having an acute pulmonary embolism even though that may exclude CT pulmonary angiography
• Identify features of suspected “BAC” that may indicate invasion rather than a simply indolent lesion
• Incorporate the new lung cancer staging system into their interpretation of images

WHO SHOULD ATTEND

The course is directed to Radiologists, Pulmonologists, and other specialties whose practice includes the use of imaging and intervention in the chest.

COURSE DIRECTORS

Andetta R Hunsaker, MD: Assistant Professor of Radiology, Harvard Medical School; Director, Division of Thoracic Radiology, Brigham and Women’s Hospital
Jo-Anne O Shepard, MD: Professor of Radiology, Harvard Medical School; Director of Thoracic Imaging and Intervention, Massachusetts General Hospital

GUEST FACULTY

David Hansell, MD, FRCP, FRCR, FRSM: Professor of Thoracic Imaging, The National Heart and Lung Institute, Imperial College London and Consultant Radiologist, Royal Brompton and Harefield NHS Foundation Trust
Ann N Leung, MD: Professor of Radiology, Chief, Thoracic Imaging, Associate Clinical Chairman, Department of Radiology, Stanford University School of Medicine, Stanford, CA

HARVARD MEDICAL SCHOOL FACULTY

Suhny Abbara, MD: Associate Professor of Radiology, Harvard Medical School; Director, Cardiovascular Imaging Fellowship; Director of Education, Cardiac MR and CT Program, Massachusetts General Hospital
Gerald F Abbott, MD: Senior Lecturer on Radiology, Harvard Medical School; Associate Radiologist, Division of Thoracic Imaging, Massachusetts General Hospital
Jeanne B Ackman, MD: Instructor in Radiology, Harvard Medical School; Associate Radiologist, Division of Thoracic Imaging and Intervention, Massachusetts General Hospital
Philip M Boiselle, MD: Professor of Radiology, Harvard Medical School; Director of Thoracic Imaging, Associate Radiologist-in-Chief of Administrative Affairs, Beth Israel Deaconess Medical Center
Subba R Digumarthy, MD: Instructor in Radiology, Harvard Medical School; Assistant Radiologist, Division of Thoracic Imaging and Intervention, Massachusetts General Hospital
Ritu R Gill, MD: Instructor in Radiology, Harvard Medical School; Division of Thoracic Radiology, Brigham and Women’s Hospital
Matthew D Gilman, MD: Instructor in Radiology, Harvard Medical School; Associate Director, Division of Thoracic Imaging and Intervention, Massachusetts General Hospital
Hiroto Hatabu, MD, PhD: Associate Professor of Radiology, Harvard Medical School; Clinical Director, MRI Program, Medical Director, Center for Pulmonary Functional Imaging, Director, MRI Clinical Fellowship, Department of Radiology, Brigham and Women’s Hospital
Francine L Jacobson, MD: Assistant Professor of Radiology, Harvard Medical School; Division of Thoracic Radiology, Brigham and Women’s Hospital
Mannudeep K Kalra, MD: Assistant Professor of Radiology, Harvard Medical School; Divisions of Thoracic and Cardiac Imaging, Massachusetts General Hospital
Raymond Y Kwong, MD, MPH: Assistant Professor of Medicine, Harvard Medical School; Director of Cardiac Magnetic Resonance Imaging; Brigham and Women’s Hospital
Rachna Madan, MD: Instructor in Radiology, Harvard Medical School; Division of Thoracic Radiology, Brigham and Women’s Hospital
Theresa C McCloud, MD: Professor of Radiology, Harvard Medical School, Vice Chair for Education, Department of Radiology; Division of Thoracic Imaging and Intervention, Massachusetts General Hospital
Victorine V Muse, MD: Clinical Instructor in Radiology, Harvard Medical School; Division of Thoracic Imaging and Intervention, Massachusetts General Hospital
Frank J Rybicki, MD, PhD, FAHA: Associate Professor of Radiology, Harvard Medical School; Director, Cardiac CT and Vascular CT/MRI, Director, Applied Imaging Science Lab, Brigham and Women’s Hospital
Amita Sharma, MD: Instructor in Radiology, Harvard Medical School; Assistant Radiologist, Division of Thoracic Imaging and Intervention, Massachusetts General Hospital
Beatrice Trotman-Dickenson, MD: Assistant Professor of Radiology, Harvard Medical School; Division of Thoracic Radiology, Brigham and Women’s Hospital
Carol C Wu, MD: Instructor in Radiology, Harvard Medical School; Division of Thoracic Imaging and Intervention, Massachusetts General Hospital
MONDAY, OCTOBER 15

DIFFUSE LUNG DISEASE
7:00  Registration/Continental Breakfast
Moderator: Dr Hunsaker
7:45  HRCT and Multidisciplinary Diagnosis: Solo or Collegiate?  David Hansell, MD
8:15  Cystic Lung Disease: An HRCT Approach  Beatrice Trotman-Dickenson, MD
8:45  Organizing Pneumonia Revisited  David Hansell, MD
9:15  Smoking Related Lung Disease  Amita Sharma, MD
9:45  Break
10:00 Overlap Issues in DILD  David Hansell, MD
10:30  Borderlands of Normal  David Hansell, MD
11:00 Small Airways Disease: Clinical and Radiologic Features  Theresa McLoud, MD
11:30 An HRCT Approach to Ground Glass Opacity and Mosaicism  David Hansell, MD
12:00 Questions
12:10  Lunch Recess

GENERAL RADIOLOGY
Moderator: Dr Trotman-Dickenson
1:30 Pulmonary Vasculopathies  David Hansell, MD
2:00 Pearls and pitfalls in Chest Radiography  Amita Sharma, MD
2:30 The Post-Operative Chest  Rachna Madan, MD
3:00  Break
3:15 Many Faces of Atelectasis  Gerald Abbott, MD
3:45 QA Issues in Chest Radiology  Andetta Hunsaker, MD, Beatrice Trotman-Dickenson, MD
4:15 Pleural Disease  Gerald Abbott, MD
4:45 Questions
5:15 Adjourn

TUESDAY, OCTOBER 16

LUNG CANCER
7:15  Continental Breakfast
Moderator: Dr Shepard
8:00  Staging of Lung Cancer  Ann Leung, MD
8:30 Molecular Diagnosis of Lung Cancer: What the Radiologist Should Know  Ritu Gill
9:00  Diagnosis of Lung Cancer  Ann Leung, MD
9:30 Strategic Approaches to the SPN: What Makes Sense  Theresa McLoud, MD
10:00  Break
10:15 Bronchioloalveolar Carcinoma: Current Thought  Andetta Hunsaker, MD
10:45 Needle Biopsy of the Lung and Mediastinum  Jo-Anne Shepard, MD
11:15  Questions
11:45  Lunch Recess

CARDIAC/ VASCULAR
Moderator: Dr Hunsaker
1:30 Coronary Artery CT Imaging: State of the Art  Frank Rybicki, MD
2:00  Diseases of the Thoracic Aorta  Suhny Abbara, MD
2:30 Cardiac MRI  Raymond Kwong, MD
3:00  Pulmonary Embolism Update 2012  Ann Leung, MD
3:30  Break
3:45  Panel of Unknown Cases
5:00 Adjourn

WEDNESDAY, OCTOBER 17

INFECTION
7:15  Continental Breakfast
Moderator: Dr Abbott
8:00  Thoracic Manifestations of HIV Infection  Carol Wu, MD
8:30 Tuberculosis  Subba Digumarthy, MD
9:00 Community Acquired Pneumonia  Gerald Abbott, MD
9:30 Thoracic Manifestations of Connective Tissue Disorders  Ann Leung, MD
10:00  Break

FOCUS ON IMAGING
10:15 Chest CT: How to Build Good Protocols from a Radiation Perspective  Mannudeep Kalra, MD
10:45 Large Airways Disease  Philip Boiselle, MD
11:15 Imaging in COPD  Francine Jacobson, MD
11:45 Functional Imaging: Clinical Applications  Hiroto Hatabu, MD
12:15 Questions
12:30 Lunch Recess

MISCELLANEOUS
Moderator: Dr Shepard
1:30 Thoracic lymphoma: Current Practice Using PET/CT Imaging  Victorine Muse, MD
2:00 Congenital Lung Disease  Matthew Gilman, MD
2:30 MRI of Mediastinal Masses  Jeanne Ackman, MD
3:00  Blind Spots on Chest Radiograph and Chest CT  Carol Wu, MD
3:40 Questions
4:00 Adjourn

Program changes/substitutions may be made without notice.
CHEST IMAGING

ACCREDITATION
The Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Harvard Medical School designates this live activity for a maximum of 21.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ACGME COMPETENCIES
This course is designed to meet one or more of the following Accreditation Council of Graduate Medical Education competencies:
* Patient care
* Medical knowledge
* Practice-based learning and improvement

REGISTRATION INFORMATION
Tuition Fee:
Physicians $750 (US)
Residents/Fellows in Training $495 (US)
Allied Health Professionals $495 (US)

Registration by credit card (VISA or MasterCard) can be made at: www.cme.hms.harvard.edu/courses/chestimaging. Registration by check (draft on a United States bank), please make payable to Harvard Medical School and mail with registration form to Harvard Medical School-Department of Continuing Education, PO Box 825, Boston, MA 02117-0825. Telephone or fax registration is not accepted. Registration with cash payment is not permitted. Upon receipt of your paid registration an email confirmation from the HMS-DCE office will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information including: registration confirmation, evaluation and certificate.

INQUIRIES
By phone 617-384-8600, Monday-Friday, 10 AM to 4 PM (EST) or by email at: hms-cme@hms.harvard.edu.

ONLINE INFORMATION
To register or view activity information online, visit: www.cme.hms.harvard.edu/courses/chestimaging. To ensure proper registration, please add the first three characters of the source code.

DISCLOSURE POLICY
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REFUND POLICY
A handling fee of $60 is deducted for cancellation. Refund requests must be received by postal mail, email or fax one week prior this activity. No refunds will be made thereafter.

COURSE LOCATION
All sessions will be held at the Fairmont Copley Plaza, 138 St. James Avenue, Boston, MA 02116 (617-267-5300).

ACCOMMODATIONS/TRAVEL
A limited number of rooms have been reserved at the Fairmont Copley Plaza, (800) 441-1414 or (617) 267-5300 until September 21, 2012. Please specify that you are enrolled in this activity to receive a reduced room rate of $299 and $339 Deluxe room per night Single/Double. You may also reserve your hotel reservations online via the dedicated booking website: https://resweb.passkey.com/go/chestimaging2012. Please do not purchase non-refundable airline ticket(s) until you have received an email from our office confirming your paid registration. For airline reservations contact the HMS Travel Desk toll free 1-877-4-HARVMD (1-877-442-7863) Monday - Friday 9 AM - 8 PM (EST). From outside the US, Canada and Virgin Islands, please call 617-559-3764.

www.cme.hms.harvard.edu/courses/chestimaging