COURSE DESCRIPTION

This is the 34th offering of our highly acclaimed annual, postgraduate course that emphasizes clinical MRI and CT of the entire body, including neuroradiology. It is designed for practitioners using MRI and multi-detector CT, and those who wish to learn the latest applications from experts. The basic format of the course is didactic lecture style. The first two and a half days of the course (Monday, Tuesday, and Wednesday morning) cover Body, including chest, abdomen, pelvis, cardiovascular, breast and musculoskeletal imaging; second two days (Wednesday afternoon, Thursday and Friday morning) cover Neuro Imaging. The Neuro Imaging curriculum spans the complete spectrum from spine, to brain, to head and neck/ENT. The Neuro Imaging curriculum is directed toward the practicing radiologist, with emphasis on the translation of advanced techniques and technologies to the clinical domain. Each morning session (Tuesday-Friday) will begin with a case conference during the continental breakfast. One can register for the entire five-day course (including the Body and Neuro sections) or only for the Body or Neuro Imaging components.

OBJECTIVES

At the conclusion of this course, participants will be provided with

- Up-to-date information on the latest MRI and CT techniques for both body and neuroradiologic applications, many of which will be directly applicable in the clinic.
- Sufficient background to manage an MRI or CT facility and gain insight into the way experienced radiologists perform and interpret these examinations.
- Focus-sessions on Spine and ENT imaging will cover major clinical gamuts in these disciplines.

COURSE DIRECTORS

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

Srinivasan Mukundan, Jr, PhD, MD: Associate Professor of Radiology, Harvard Medical School; Section Head of Neuroradiology, Brigham and Women’s Hospital

Stuart G Silverman, MD, FACR: Professor of Radiology, Harvard Medical School; Director, Division of Abdominal Imaging and Intervention, Director, CT Scan, Brigham and Women’s Hospital

GUEST FACULTY

Warren B Gefter, MD: Professor of Radiology, Chief, Thoracic Imaging Section, Associate Chair, Department of Radiology, Hospital of the University of Pennsylvania, Philadelphia, PA

Anwar Padhani, MB, BS, FRCP, FRCR: Consultant Radiologist and Head of Imaging Research, Paul Strickland Scanner Centre, Mount Vernon Cancer Centre, Middlesex, United Kindgom

Caroline Reinhold, MD, MSc, FRCP: Professor of Radiology, Gynecology and Gastroenterology, McGill University Health Center; Director of the Magnetic Resonance Unit, Research Director, Radiology Department, McGill University, Montreal, Canada, Medical Director, Oncology, Synarc inc

HARVARD MEDICAL SCHOOL FACULTY

Michael A Blake, MD: Assistant Professor of Radiology; Division of Abdominal Imaging, Massachusetts General Hospital

Charles H Cho, MD, MBA: Instructor in Radiology; Neuroradiology Section, Brigham and Women’s Hospital

Mary E Cunnane, MD: Instructor in Radiology; Assistant in Radiology, Massachusetts Eye and Ear Infirmary; Assistant in Radiology, Division of Neuroradiology, Massachusetts General Hospital

Hugh D Curtin, MD: Professor of Radiology; Chief of Radiology, Massachusetts Eye and Ear Infirmary

Marco Ferrone, MD: Instructor in Orthopedic Surgery; Division of Orthopedics, Brigham and Women’s Hospital and Dana-Farber Cancer Institute

Glenn C Gaviola, MD: Instructor in Radiology; Division of Musculoskeletal Imaging and Intervention, Brigham and Women’s Hospital

Victor H Gerbaudo, PhD: Lecturer on Radiology; Director, Nuclear Medicine and Molecular Imaging Program; Senior Administrative Director, Noninvasive Cardiovascular Imaging and Cardiac Stress Programs, Brigham and Women’s Hospital

Ritu R Gill, MD: Instructor in Radiology; Division of Thoracic Radiology, Brigham and Women’s Hospital

Leena M Hamberg, PhD: Associate Professor of Radiology; Radiologic Physicist, Brigham and Women’s Hospital

Roger Han, MD: Instructor in Radiology; Division of Musculoskeletal Imaging, Brigham and Women’s Hospital

Mukesh G Harisinghani, MD: Associate Professor of Radiology; Division of Abdominal Imaging, Massachusetts General Hospital

Galen V Henderson, MD: Assistant Professor of Neurology; Director of Critical Care and Emergency Neurology, Brigham and Women’s Hospital

Liangge Hsu, MD: Assistant Professor of Radiology; Neuroradiology Section, Brigham and Women’s Hospital

Andetta R Hunsaker, MD: Assistant Professor of Radiology; Director, Division of Thoracic Radiology, Brigham and Women’s Hospital
Francine L Jacobson, MD: Assistant Professor of Radiology; Division of Thoracic Radiology, Brigham and Women’s Hospital

Roman A Klufas, MD: Instructor in Radiology; Neuroradiology Section, Brigham and Women’s Hospital

Raymond Y Kwong, MD, MPH: Assistant Professor of Medicine; Director of Cardiac Magnetic Resonance Imaging; Brigham and Women’s Hospital

Thomas C Lee, MD: Instructor in Radiology; Neuroradiology Section, Brigham and Women’s Hospital

Theresa C McLoud, MD: Professor of Radiology; Director of Education; Associate Radiologist-in-Chief, Division of Thoracic Imaging, Massachusetts General Hospital

Koenraad J Mortele, MD: Associate Professor of Radiology; Associate Director, Division of Abdominal Imaging and Intervention, Director, Abdominal and Pelvic MRI, Medical Director, CME, Brigham and Women’s Hospital

Mizuki Nishino, MD: Assistant Professor of Radiology; Brigham and Women’s Hospital and Dana-Farber Cancer Institute

Sughra Raza, MD: Assistant Professor of Radiology; Associate Director Breast Imaging, Director, Women’s Imaging Program, Director, Clinical Breast MRI, Brigham and Women’s Hospital

Cheryl A Sadow, MD: Instructor in Radiology; Division of Abdominal Imaging and Intervention, Brigham and Women’s Hospital

Dushyant Sahani, MD: Associate Professor of Radiology; Director of CT, Massachusetts General Hospital

Nehal Shah, MD: Instructor in Radiology; Division of Musculoskeletal Radiology, Brigham and Women’s Hospital

Kirstin M Small, MD: Instructor in Radiology; Division of Musculoskeletal Imaging, Brigham and Women’s Hospital

Stacy E Smith, MD: Assistant Professor of Radiology; Section Head and Barbara Weissman Chair, Musculoskeletal Imaging, Brigham and Women’s Hospital

Aaron Sodickson, MD, PhD: Assistant Professor of Radiology; Director of Emergency Radiology, Brigham and Women’s Hospital

Clare M Tempany, MD: Professor of Radiology; Ferenc Jolesz, Chair of Radiology Research, Vice Chair, Radiology Research, Director, Clinical Focused Ultrasound, Department of Radiology, Brigham and Women’s Hospital

Barbara N Weissman, MD: Professor of Radiology; Vice Chair of Radiology, Radiology Residency Program Director, Brigham and Women’s Hospital

Geoffrey S Young, MD: Assistant Professor of Radiology; Neuroradiology Section, Brigham and Women’s Hospital

Amir A Zamani, MD: Associate Professor of Radiology; Neuroradiology Section, Brigham and Women’s Hospital

MONDAY, OCTOBER 17

7:00  Registration/Continental Breakfast

BODY IMAGING

THORACIC IMAGING (INCLUDING BREAST AND HEART)

Moderator: Dr. Hatabu

7:55  Morning Announcements

8:00  Radiation Dose Reduction  Sodickson

8:30  PET/CT Imaging of Lung Cancer Aggressiveness

9:00  Pulmonary Embolism

9:30  COPD

10:00  Questions and Answers

10:10  Coffee Break

10:30  Thoracic MRI: Promises, Problems, and Prospects  Gefter

11:00  Cardiac MRI

11:30  Breast MRI  Raza

12:00  Questions and Answers

12:15  Lunch Recess

1:30  HRCT in Diffuse Lung Disease: From the Brain to the Computer

2:00  Smoking Related Lung Disease  Hatabu

2:30  The Troublesome GGO: Bringing Clarity to these Hazy Lesions

3:00  Questions and Answers

3:10  Break

3:30  Response Evaluation of Lung Cancer

4:00  Lung Biopsy and Tissue Sampling for Targeted Therapy

4:30  Lung Cancer Screening: An Update

5:10  Questions and Answers

5:15  Adjourn

TUESDAY, OCTOBER 18

7:00  Continental Breakfast

7:25  Welcome and Introduction

PELVIS I

Moderator: Dr. Silverman

7:30  Cases  Sadow

8:00  Practical MRI Protocols for the Abdomen and Pelvis  Harisinghani

8:30  MRI of the Adnexa, Making a More Specific Diagnosis

9:00  MRI of Anorectal Fistulae  Harisinghani

9:30  MRI of Uterine Anomalies

10:00  Questions and Answers

10:10  Coffee Break
THURSDAY, OCTOBER 20

7:00 Continental Breakfast

NEURORADIOLOGY GAMUTS

7:10 Morning Announcements

Moderator: Dr Mukundan

7:15 Morning Cases - Neuro

Lee

8:00 Demyelinating Diseases

Zamani

8:45 Imaging of Head Trauma

Klufas

9:30 Coffee Break

9:45 Dementia

Zamani

10:30 CNS Infections

Hsu

11:15 Clinical Correlation: Acute Stroke, How Imaging Helps

Henderson

12:00 Questions and Answers

12:15 Lunch Recess

ADVANCED MRI TECHNIQUES

Moderator: Dr Young

1:30 Basics of Advanced Brain Tumor Imaging

Young

2:00 Whole Body DWI - How I do it and What it Tells Me

Padhani

2:45 Radiation Dose in CT Brain Perfusion Imaging

Hamberg

3:15 Coffee Break

3:30 Multiparametric Functional Imaging Assessment of Therapy Response

Padhani

4:15 Gadolinium Based Contrast Agents 2011

Mukundan

5:00 Adjourn

FRIDAY, OCTOBER 21

7:00 Continental Breakfast

ENT IMAGING

7:25 Morning Announcements

Moderator: Dr Lee

7:30 Morning Cases - Head and Neck

Cunnane

8:15 Landmarks in Head and Neck Cancer

Curtin

9:00 Incidentalomas of the Thyroid and Parotid Glands

Cunnane

9:30 Parapharyngeal and Masticator Spaces

Curtin

10:15 Coffee Break

10:30 Temporal Bones

Lee

11:15 Larynx

Curtin

11:45 Questions and Answers

12:00 Adjourn

Please note: Program changes/substitutions may be made without notice.
REGISTRATION INFORMATION

For specific tuition fees, see the registration form. All foreign payments must be made by a draft on a United States Bank or by Visa or Mastercard. If paying by check, please make payable to Harvard Medical School Department of Continuing Education, PO Box 825, Boston, MA 02117-0825. If paying by credit card, please register online at www.cme.hms.harvard.edu/courses/mrict. Telephone, fax or mail-in registration with credit card payment is not accepted. Inquiries should be directed to the above address, made by phone: (617) 384-8600, Monday Friday, 10 AM to 4 PM (EST), or by email: hms-cme@hms.harvard.edu. Upon receipt of registration a confirmation will be mailed to the address listed on the form. Upon receipt of your registration form an email confirmation from the HMS-DCE office will be sent to you. Therefore, be sure to include an email address that you check daily/frequently. Your email address is used for critical information about the course including: registration confirmation, course evaluation and certificate.

ACREDITATION

Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Harvard Medical School designates this activity for a maximum of the following AMA PRA Category 1 Credits™.

- Full Course - 36
- Body Imaging - 19.75
- Neuro Imaging - 16

Physicians should only claim credit commensurate with the extent of their participation in the activity.

REFUND POLICY

A handling fee of $60 is deducted for cancellation. Refund requests must be received by mail or fax one week prior to the course. No refunds will be made thereafter.

ONLINE INFORMATION

To register or view course information online, visit Harvard Medical School Department of Continuing Education’s home page: www.cme.hms.harvard.edu/courses/mrict

To ensure proper registration, please add the first three characters of the source code found at the bottom of the registration form.

ACCOMMODATIONS / COURSE LOCATION

Hotel rooms in Boston are limited. You are urged to make your reservations early. A limited number of rooms have been reserved at the Fairmont Copley Plaza, (800) 441-1414 or (617) 267-5300 until September 25, 2011. Please specify that you are enrolled in the MRI/CT Update course to receive a reduced room rate. You may also reserve your hotel reservations online via the dedicated booking website: https://resweb.passkey.com/go/mrictupdate

Online Registrants - to ensure proper registration, please add the first three characters of the source code found here: Source Code: X Z Z