PRACTICAL APPLICATIONS OF NEW IMAGING TECHNIQUES

April 24-26, 2006
Hotel Sofitel Brugge
Brugge, Belgium

Course Director
Koenraad J. Mortele, MD
Course Description

The course is designed to teach several of the newest imaging techniques including multidetector-row CT, cardiac CT and MRI, breast MRI, prostate MRI, spectroscopy, and fast MR imaging techniques. We will provide a basic understanding of the physics and equipment currently being used, instruct about the main indications for using these new imaging techniques, and highlight the imaging features of a vast array of common clinical conditions.

Course Objectives/Goals

At the end of this course, the participants will be able to apply:

- New Techniques in Imaging
  - Basic Applied Physics
  - Instrumentation
  - Clinical Interpretation

- Implementation of new techniques in Imaging
  - Problem Solving

- Practical Examples
Faculty

Eric Achten, MD, PhD: Head of Neuroradiology, Director of Ghent Institute of fMRI, Ghent University Hospital, Ghent, Belgium

John A Carrino, MD, MPH: Assistant Professor of Radiology, Harvard Medical School; Clinical Director, Magnetic Resonance Therapy Program; Co-Director, Spine Intervention, Brigham and Women’s Hospital, Boston, MA

Emmanuel Coche, MD, PhD: Head of Thoracic radiology, Cliniques Universitaires St-Luc, Brussels, Belgium

Fiona Fennessy, MD: Instructor in Radiology, Harvard Medical School; Staff Radiologist, Dana Farber Cancer Institute, Brigham and Women’s Hospital, Boston, MA

Sam Heye, MD: Department of Radiology, Section Vascular and Interventional Radiology, University Hospital, Gasthuisberg, Leuven, Belgium

Andetta Hunsaker, MD: Assistant Professor of Radiology, Harvard Medical School; Director, Thoracic Radiology, Brigham and Women’s Hospital

Philippe Lefere, MD: Department of Radiology, Stedelijk Ziekenhuis, Roeselare, Belgium

Marc Lemmerling, MD, PhD: Neuroradiology and Head and Neck Radiology, AZ St Lucas, Ghent, Belgium

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

Pablo R Ros, MD, MPH, FACR: Professor of Radiology, Harvard Medical School; Executive Vice Chair and Associate Radiologist-in-Chief, Brigham and Women’s Hospital, Chief, Division of Radiology, Dana-Farber Cancer Institute

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

Clare M C Tempany, MD: Professor of Radiology, Harvard Medical School; Director, Clinical MRI and Clinical Research, Director, Clinical Focused Ultrasound, Brigham and Women’s Hospital, Boston, MA

Frederick Vandenbroecke, MD: Division of Abdominal and Thoracic Imaging and Intervention, Department of Radiology, Vrije Universiteit Brussel, Brussel, Belgium

Lieven Van Hoe MD PhD: Staff Radiologist, OLV Hospital, Aalst, Belgium

Piet K Vanhoenacker MD: OLV Hospital, Aalst, Belgium

Koenraad Verstraete, MD: Professor of Radiology, Ghent University; Academic Chief, Department of Radiology, Ghent University Hospital, Gent, Belgium

Amir A Zamani, MD: Associate Professor of Radiology, Harvard Medical School; Division of Neuroradiology, Brigham and Women’s Hospital, Boston, MA
### Monday, April 24

7:30  Registration/Continental Breakfast ("Ter Boeverie")
8:25  Welcome and Introduction  **Mortele**

#### Abdomen MDCT and MRI
8:30  MDCT Urography  **Silverman**
9:00  MDCT Colonography  **Lefere**
9:30  MDCT Enterography  **Mortele**
10:00 Questions
10:15 Break
10:30 MRI Pancreas  **Mortele**
11:00 MRI Kidney  **Silverman**
11:30 MRI Liver  **Ros**
12:00 Questions
12:15 Lunch Recess

#### Pelvic MRI
1:15 MRI Female Pelvis: Benign Diseases  **Fennessy**
1:45 MRI Male Pelvis  **Tempany**
2:15 MRI Female Pelvis: Malignant Diseases  **Fennessy**
2:45 Questions
3:00 Break

#### Body Imaging
3:15 PET-MDCT  **Ros**
3:45 Focused Ultrasound Surgery Leiomyomas  **Tempany**
4:15 3D-Imaging Optimization  **Vandenbroecke**
4:45 Questions
5:00 Adjourn

### Tuesday, April 25

#### Neuroradiology MRI and MDCT
1:15 Cranial Nerve and Skull Base Imaging: Use of MRI  **Lemmerling**
1:45 MR Spectroscopy and Perfusion  **Achten**
2:15 Imaging the Spine Axis: State of the Art  **Zamani**
2:45 Questions
3:00 Break
3:15 Stroke Imaging  **Achten**
3:45 Imaging of Intracranial Infections  **Zamani**
4:15 Head and Neck Imaging  **Lemmerling**
4:45 Questions
5:00 Adjourn

#### Chest and Cardiac MDCT and MRI
8:30 MDCT and MRI in the Mediastinum  **Hunsaker**
9:00 Pulmonary Embolus MDCT  **Coche**
9:30 Imaging in Community Acquired Pneumonia  **Hunsaker**
10:00 Questions
10:15 Break
10:30 Peripheral Vascular MRI and MDCT  **Heye**
11:00 Principles of Cardiac MDCT  **Vanhoenacker**
11:30 Using your MRI Scanner to Image the Heart  **Van Hoe**
12:00 Questions
12:15 Adjourn

### Wednesday, April 26

7:30 Continental Breakfast ("Ter Boeverie")

#### Chest and Cardiac MDCT and MRI
8:30 MDCT and MRI in the Mediastinum  **Hunsaker**
9:00 Pulmonary Embolus MDCT  **Coche**
9:30 Imaging in Community Acquired Pneumonia  **Hunsaker**
10:00 Questions
10:15 Break
10:30 Peripheral Vascular MRI and MDCT  **Heye**
11:00 Principles of Cardiac MDCT  **Vanhoenacker**
11:30 Using your MRI Scanner to Image the Heart  **Van Hoe**
12:00 Questions
12:15 Adjourn

### UPCOMING COURSES 2006

- Brigham and Women's Hospital Cardiac PET and PET-CT Workshop  January 4-5  Boston, Massachusetts
- Visiting Observership: Abdominal Imaging and Intervention  February 6-10  Boston, Massachusetts
- MRI 2006: Clinical Update and Practical Applications  February 20-24  Kauai, Hawaii
- Virtual Colonoscopy  March 19-20  Las Vegas, Nevada
- Ultrasound/Women's Imaging  April 2-5  Boston, Massachusetts
- Brigham and Women's Hospital Clinical Nuclear Medicine  May 8-11  Boston, Massachusetts
- Visiting Observership: Abdominal Imaging and Intervention  June 12-14  Boston, Massachusetts
- MRI/CT Update  October, TBA  Boston, Massachusetts
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, make it payable to Harvard Medical School and mail with the completed registration form to: Harvard Medical School, Department of Continuing Education, PO Box 825, Boston, MA 02117-0825. If paying by credit card, fax the completed registration form to (617) 384-8686, register online at www.cme.hms.harvard.edu, or mail it to the above address. Telephone registrations are 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 e-mail: hms-cme@hms.harvard.edu.

Please note: Program changes/substitutions may be made without notice. Upon receipt of registration, a confirmation letter will be mailed to the address listed on the form.

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.

COURSE LOCATION
All sessions will be held at the Hotel Sofitel Brugge, Boeveriestraat 2 8000, Brugge, Belgium, Tel: (+32)50/449711

ONLINE INFORMATION
To register or view course information online, visit Harvard Medical School Department of Continuing Education’s home page: http://www.cme.hms.harvard.edu
To ensure proper registration, please add the first three letters of the source code found at the bottom of the registration form

ACCREDITATION
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 the Practical Applications of Imaging Techniques course for a maximum of 19.5 category 1 credits toward the AMA Physician’s Recognition Award. Each physician should claim only those credits that he/she actually spent in the educational activity.

The American Medical Association has determined that physicians not licensed in the US who participate in this CME activity are eligible for AMA PRA category 1 credit.

 ACCOMMODATIONS
Hotel rooms in Brugge are limited. You are urged to make your reservations early. A limited number of rooms have been reserved at the Hotel Sofitel Brugge until March 05, 2006. Please email the hotel at H1278-dm@accor.com to make your reservations. Please specify that you are enrolled in the Practical Applications of Imaging Techniques course to receive a reduced room rate.
Practical Applications of Imaging Techniques
April 24-26, 2006

Class#262185
Physicians $495 (USD)
Residents*/Fellows in Training*/Technologists $410 (USD)

*A letter of verification from Department Chair must accompany registration form for a reduced trainee fee.

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Last           First         Middle Initial

Degree

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Professional School Attended Year of Graduation

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Form of Payment (please check one)

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Please make your check payable to Harvard Medical School and mail it with this registration form to: Harvard Medical School, Department of Continuing Education, PO Box 825, Boston, MA 02117-0825

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Registrations paid by credit card can be faxed to 617-384-8686, or mailed to the above address.
Tuition Fee: $ _____________

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