Harvard Medical School
Department of Continuing Education
Joint Program in Nuclear Medicine

CLINICAL NUCLEAR MEDICINE / PET

May 13-16, 2008
Boston Marriott Long Wharf
Boston, Massachusetts, USA

PROGRAM DIRECTOR
S Ted Treves, MD, FACNP

PROGRAM COMMITTEE
Marcelo F Di Carli, MD
Frederic H Fahey, DSc
Frederick D Grant, MD
J Anthony Parker, MD, PhD
Annick D Van den Abbeele, MD
and the faculty of
The Joint Program in Nuclear Medicine
Harvard Medical School
COURSE DESCRIPTION

CMN/PET 2008 will cover emerging as well as established applications in nuclear medicine. This year’s course will encourage interactive audience participation including case-based discussions with concrete clinical illustrations.

Days I and II will include a review of currently utilized and emerging radiopharmaceuticals and a discussion of new pathways for radiopharmaceutical drug approval. There will be a session on state-of-the-art physics and instrumentation providing valuable information to those considering upgrades or new equipment. In addition, speakers will give an overview of the thyroid, parathyroid, and hepatobiliary systems; will discuss lymphoscintigraphy; and will explain the use of nuclear medicine in inflammation and infection. Current concepts in radionuclide therapy will be reviewed with an emphasis on oncologic applications. Days I and II will also include a session on the importance of recognizing and reducing PET artifacts to achieve a more accurate interpretation of studies. Pediatric nuclear medicine case based studies will be presented with interactive audience participation. Neuro-nuclear medicine covering neurodegenerative disorders, seizures and brain tumors will also be covered.

Day III will be dedicated to nuclear cardiology, reviewing classic as well as advanced applications. In addition to cardiac case studies, we will address radiotracers and protocols for SPECT and PET myocardial perfusion; the metabolic assessment of myocardial viability; and hybrid imaging (PET/CTA) interpretation.

Day IV will cover several aspects of nuclear oncology including practical aspects of PET/CT, multimodality imaging of several cancers, staging, treatment planning, therapy assessments, and case-based studies.

Distinguished guest faculty and members of the faculty of the Harvard Medical School’s Joint Program in Nuclear Medicine will update physicians, scientists, and technologists on the latest techniques in nuclear medicine as well as those under development and slated for clinical implementation in the future. Specialists in CT, MRI and other imaging modalities will join nuclear medicine specialists in discussing the importance of producing interdisciplinary assessments of functional and anatomical relationships. Finally, faculty will offer a glimpse into new and emerging methodologies that are likely to become part of standard nuclear medicine practice.

OBJECTIVE

The 32nd Harvard Annual Course in Nuclear Medicine, CMN/PET 2008, will review established and emerging applications with an emphasis on promoting interactive exchange between faculty and attendees. As an expected outcome, participants will be able to immediately apply newly attained knowledge to the performance and interpretation of nuclear medicine studies with greater accuracy and by introducing state-of-art techniques into clinical practice. Participants will be able to obtain so many hours of CME credits.

GUEST FACULTY (cont’d)

Alan D Waxman, MD: Clinical Professor of Radiology, University of Southern California; Director, Nuclear Medicine, Co-Chair, Department of Imaging, Cedars-Sinai Medical Center, Los Angeles, CA

Harvey A Ziessman, MD: Professor of Radiology, Director of Nuclear Medicine Imaging, Johns Hopkins Outpatient Center, Baltimore, MD

Jack A Ziffer, MD, PhD: Chief, Department of Radiology, Baptist Hospital of Miami, Medical Director, Cardiac Imaging, Baptist Cardiac and Vascular Institute, Miami, FL

HARVARD MEDICAL SCHOOL FACULTY

Russell A Blinder, MD: Associate Professor of Radiology; Director, Head and Neck and Neuroradiology, Dana-Farber Cancer Institute, Brigham and Women’s Hospital, Boston, MA

Ricardo C Cury, MD: Assistant Professor; Director of Clinical Cardiac MRI, Massachusetts General Hospital, Director of Teleradiology and Education, MGH Cardiovascular CT Core Lab, Boston, MA

Marcelo F Di Carli, MD, FACC: Associate Professor of Radiology and Medicine; Chief, Division of Nuclear Medicine/PET, Co-Director of Cardiovascular Imaging, Brigham and Women’s Hospital, Boston, MA

Pamela J DiPiro, MD: Assistant Professor of Radiology; Clinical Director of CT, Dana-Farber Cancer Institute, Boston, MA

Kevin J Donohoe, MD: Assistant Professor of Radiology; Division of Nuclear Medicine, Beth Israel Deaconess Medical Center, Boston, MA

Sharmila Dorbala, MBBS: Assistant Professor; Director of Nuclear Cardiology, Division of Nuclear Medicine, Brigham and Women’s Hospital, Boston, MA

Frederic H Fahey, DSc: Associate Professor of Radiology; Director of Physics in Nuclear Medicine/PET, Children’s Hospital Boston, Boston, MA

Fiona Fennessy, MD: Assistant Professor of Radiology; Staff Radiologist, Dana Farber Cancer Institute, Brigham and Women’s Hospital, Boston, MA

Frederick D Grant, MD: Instructor in Radiology and Pediatrics; Staff Physician, Division of Nuclear Medicine, Children’s Hospital Boston, Boston, MA

Thomas H Hauser, MD, MMSc, MPH, FACC: Assistant Professor of Medicine; Director of Nuclear Cardiology, Beth Israel Deaconess Medical Center, Boston, MA

Andetta Hunsaker, MD: Assistant Professor of Radiology; Director Thoracic Radiology, Brigham and Women’s Hospital, Boston, MA

David A Israel, MD, PhD: Instructor in Radiology; Dana-Farber Cancer Institute, Boston, MA

Ciaran Johnston, MD: Instructor in Radiology; Staff Radiologist, Dana-Farber Cancer Institute, Boston, MA

Rachel A Powsner, MD: Associate Professor of Radiology, Boston University; Head of the Nuclear Medicine Section, Department of Radiology, VA Boston Healthcare System, Boston, MA

Frank J Rybicki, III, MD, PhD: Associate Professor of Radiology; Director, Cardiac CT and Vascular CT/MRI, Director, Applied Imaging Science Laboratory, Brigham and Women’s Hospital, Boston, MA

Niall Sheehy, MD: Clinical Fellow in Radiology; Dana-Farber Cancer Institute, Boston, MA

S Ted Treves, MD, FACNP: Professor of Radiology; Chief, Division of Nuclear Medicine, Children’s Hospital Boston, Director, Joint Program in Nuclear Medicine, Harvard Medical School, Boston, MA

Annick D. Van den Abbeele, MD: Associate Professor of Radiology; Chief, Department of Radiology, Dana-Farber Cancer Institute, Boston, MA

Jeffrey T Yap, PhD: Assistant Professor of Radiology; Senior Diagnostic Physicist, Division of Nuclear Medicine, Dana-Farber Cancer Institute, Boston, MA

GUEST FACULTY

Steven Burrell, MD: Assistant Professor of Radiology, Research Director, Diagnostic Radiology, Residency Program Director, Nuclear Medicine, QE II Health Sciences Centre, Dalhousie University, Halifax, Nova Scotia, Canada

Michael Graham, MD, PhD: Professor, Director of Nuclear Medicine, Director of Nuclear Medicine Residency Program, Department of Radiology, University of Iowa, Iowa City, IA

Steven M Larson, MD: Chief, Nuclear Medicine Service, Memorial Sloan-Kettering Cancer Center, New York, NY

Kenneth Mckusick, MD, FACR, FACNP: CPT Advisory Committee, Member SNM, Chair, Nuclear Medicine APC Task Force, South Orleans, MA

Christopher J Palestro, MD: Professor of Nuclear Medicine and Radiology, Albert Einstein College of Medicine; Chief of Nuclear Medicine and Molecular Imaging North Shore Long Island Jewish Health System, Manhasset and New Hyde Park, NY

Ronald L Van Heurtemt, MD: Professor of Radiology, Vice Chairman, Department of Radiology, Director, Kretzschman PET Center, College of Physicians and Surgeons, Columbia University; Director, Division of Nuclear Medicine, New York- Presbyterian Hospital, Columbia University Medical Center, New York, NY

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S Ted Treves, MD, FACNP: Professor of Radiology; Chief, Division of Nuclear Medicine, Children’s Hospital Boston, Director, Joint Program in Nuclear Medicine, Harvard Medical School, Boston, MA

Annick D. Van den Abbeele, MD: Associate Professor of Radiology; Chief, Department of Radiology, Dana-Farber Cancer Institute, Boston, MA

Jeffrey T Yap, PhD: Assistant Professor of Radiology; Senior Diagnostic Physicist, Division of Nuclear Medicine, Dana-Farber Cancer Institute, Boston, MA
**TUESDAY, MAY 13**

- 7:00 Registration and Continental Breakfast
- 7:55 Opening Remarks
- 8:00 New Agents - Graham
- 8:30 Questions
- 8:35 Billing and Coding - McKusick
- 9:05 Questions
- 9:10 Parathyroid - Donohoe
- 9:40 Questions
- 9:45 Break
- 10:00 Thyroid - Grant
- 10:40 Questions
- 10:45 Lymphoscintigraphy - Donohoe
- 11:20 Questions
- 11:25 Hepatobiliary - Ziessman
- 11:55 Questions
- 12:00 Lunch Recess
- 1:15 Renal - Palestro
- 1:50 Questions
- 1:55 GI Bleeding - Ziessman
- 2:25 Questions
- 2:30 Break
- 2:35 Inflammation and Infection - Palestro
- 3:25 Questions
- 3:30 Radionuclide Therapy - Larson
- 4:10 Questions
- 4:15 Case Based Studies - Powsner
- 4:55 Questions
- 5:00 Adjourn

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**WEDNESDAY, MAY 14**

- 7:15 Continental Breakfast
- 7:55 Welcome and Announcements
- 8:00 New Agents - Graham
- 8:30 Questions
- 8:35 Physics and Instrumentation - Fahey
- 9:20 Questions
- 9:25 PET Artifacts - Waxman
- 10:10 Questions
- 10:15 Break
- 10:30 Bone
- 11:10 Questions - Grant
- 11:15 Controversies of FDG PET in Lung Cancer - Waxman
- 11:55 Questions
- 12:00 Lunch Recess
- 1:00 Pediatrics - Treves
- 1:45 Questions
- 1:50 Pulmonary Embolism - Hunsaker
- 2:30 Questions
- 2:35 Break
- 2:50 Setting up a Practice for Functional Imaging - Waxman
- 3:35 Questions
- 3:40 Brain - Van Heetum
- 4:25 Questions
- 4:30 Case Based Studies - Powsner
- 5:10 Questions
- 5:15 Adjourn

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**THURSDAY, MAY 15**

- 7:15 Continental Breakfast
- 7:55 Welcome and Announcements
- 8:00 SPECT Myocardial Perfusion Imaging: Radiotracers and Protocols - Hauser
- 8:30 Advances in Pharmacological Stress Testing - Dorbala
- 9:00 Advances in Cardiac SPECT: SPECT/CT and Fast SPECT - Ziffer
- 9:30 Break
- 9:50 Identifying and Preventing Artifacts in SPECT Imaging - Ziffer
- 10:20 PET myocardial Perfusion Imaging: Radiotracers and Protocols - Dorbala
- 10:50 Evaluation of the Patient with Heart Failure: Imaging Options for Assessing Ischemia and Viability - Di Carli
- 11:20 Cardiac PET/CT - Di Carli
- 11:50 Lunch Recess
- 1:00 Fundamentals of Cardiac CT: Principles of Imaging and Instrumentation - Rybicki
- 1:30 Systematic Interpretation of CT Coronary Angiography - Cury
- 2:00 Advanced Applications of Cardiac CT - Rybicki
- 2:30 My First 5 CTA Cases - Cury
- 3:15 Break
- 3:35 Common and Challenging Cases and Integrated Imaging - Ziffer
- 5:00 Adjourn

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**FRIDAY, MAY 16**

- 7:15 Continental Breakfast
- 7:55 Welcome and Announcements
- 8:00 Practical Aspects of Oncologic PET/CT Imaging - Yap
- 8:30 Questions
- 8:35 Thoracic Oncologic Imaging: Chest and Breast - DiPiro
- 9:15 Questions
- 9:20 Case Based Review of Thoracic Oncology - Sheehy
- 10:00 Questions
- 10:05 Break
- 10:20 Lymphoma - Israel
- 11:05 Questions
- 11:10 Oncologic Imaging in the Context of New Drug Development - Van den Abbeele
- 11:55 Questions
- 12:00 Lunch Recess
- 1:00 Neuroendocrine Tumors - Burrell
- 1:45 Questions
- 1:50 Head and Neck Lymph Node Staging - Blinder
- 2:35 Questions
- 2:40 Break
- 2:55 Oncologic Imaging of Abdominal Malignancies - Johnston
- 3:40 Questions
- 3:45 Oncologic Imaging of the Pelvis - Fennessy
- 4:30 Questions
- 4:35 Case Based Review of Abdominal and Pelvic Malignancies - Sheehy
- 5:15 Questions
- 5:20 Adjourn
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/courses/clinicalnuclear, 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. Upon receipt of registration, a confirmation letter will be mailed to the address listed on the form.

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

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 Boston Marriott Long Wharf, 296 State Street, Boston, MA, (617) 227-0800.

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/clinicalnuclear

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

Learn more about The Joint Program for Nuclear Medicine (JPNM). Visit the JPNM Web site: http://www.jpnm.org

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 this educational activity for a maximum of 30 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

ACCOMMODATIONS

Hotel rooms in Boston are limited. You are urged to make your reservations early. A limited number of rooms have been reserved at the Boston Marriott Long Wharf, 296 State Street, Boston, MA, (800) 228-9290 or (617) 227-0800 until April 25, 2008. Please specify that you are enrolled in the Clinical Nuclear Medicine/PET course to receive a reduced room rate.

Clinical Nuclear Medicine/PET Class #282545

May 13-16, 2008

Physicians: $850 (USD)
Reduced Fee for Residents*/Fellows in Training* $550 (USD)

Technologists:

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

Please Print Clearly

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Please check if you wish to be excluded from receiving email notices of future Harvard Medical School, Department of Continuing Education programs

Professional School Attended
Year of Graduation

Profession

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Organization Affiliation

Form of Payment (please check one)

Check is enclosed:

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

Registrations paid by credit card can be faxed to 617-384-8686, mailed to the above address, or registered online at www.cme.hms.harvard.edu/courses/clinicalnuclear.

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