CLINICAL NUCLEAR MEDICINE / PET

May 21-24, 2007
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
Beth Israel Deaconess Medical Center
Brigham and Women’s Hospital
Children’s Hospital Boston
Dana-Farber Cancer Institute
Massachusetts General Hospital
VA Boston Healthcare System
COURSE DESCRIPTION
CNM 2007 will cover several aspects of the field including reviews of emerging as well as established applications in nuclear medicine. This year, faculty will encourage interactive audience participation including case-based discussions interspersed throughout sessions aimed at increasing knowledge in the field with concrete clinical illustrations. Day I 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 II 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. Day III will focus on state-of-the-art physics and instrumentation by providing valuable information to practitioners considering upgrades or new equipment. In addition, invited speakers will give an overview of the thyroid, parathyroid, and hepatobiliary systems; will discuss the imaging implications of lymphoscintigraphy; and will explain the processes of inflammation and infection in the setting of nuclear medicine. Utilizing current case studies, elements of radionuclide therapy will also be reviewed with an emphasis on oncologic applications. Day III will also include a session on the importance of recognizing and reducing PET artifacts to achieve a more accurate interpretation of studies. Day IV will be divided essentially between pediatric nuclear medicine (a discussion of the most frequent indications and findings utilizing case studies), and neuro-nuclear medicine (a discussion of neurodegenerative disorders, seizures, brain tumors, and imaging of neuroendocrine tumors). Day IV will include a review of currently utilized and emerging radiopharmaceuticals followed by a discussion of new pathways for radiopharmaceutical drug approval. Distinguished guest faculty and members of the faculty of the Harvard 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 near 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 before the decade is out.

OBJECTIVE
The 31st Annual Course in Nuclear Medicine, CNM 2007, 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 skills and competencies by interpreting nuclear medicine studies with greater accuracy and by introducing state-of-art techniques into clinical practice.

GUEST FACULTY
Steven C Burrell, MD, FRCP(C): Lecturer in Radiology, Director, Nuclear Medicine, Residency Program, Dalhousie University Faculty of Medicine, Staff Physician, Department of Radiology, Queen Elizabeth II Health Sciences Centre, Halifax, Nova Scotia, Canada
Rory Hachamovitch, MD: Voluntary Faculty, Los Angeles County-USC Medical Center, Los Angeles, CA
George Mills, MD: Vice President, Medical Imaging Consulting, Perceptive Informatics, Waltham, MA
Christopher J Palestro, MD: Professor of Nuclear Medicine and Radiology, Albert Einstein College of Medicine; Chief of Nuclear Medicine Long Island Jewish Medical Center and North Shore University Hospital, New Hyde Park, NY
Henry F VanBrocklin, PhD: Professor of Radiology, Director of Radiopharmaceutical Research, University of California, San Francisco, San Francisco, CA
Ronald L Van Heertum, MD: Professor of Radiology, Vice Chairman, Department of Radiology, Director, Kreftichman 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
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
MONDAY, MAY 21

7:55 Welcome and Introduction  
Treves

NUCLEAR ONCOLOGY
8:00 Radiotracers and Protocols for SPECT Myocardial Perfusion Imaging  
Hauser
8:30 Systematic Approach to Interpretation of Gated SPECT  
Hachamovitch
9:00 Identifying and Preventing Artifacts on Gated SPECT  
Hauser
9:30 Questions
9:45 Break
10:00 Risk Stratification of Patients with Gated SPECT Imaging  
Hachamovitch
10:30 How to Perform PET Myocardial Perfusion Imaging: Radiotracer and Protocols  
Dorbala
11:00 Systematic Approach to Interpretation of Gated PET  
Dorbala
11:30 Assessing Myocardial Viability with SPECT and PET  
Di Carli
12:00 Questions
12:15 Lunch Recess
1:15 Common and Challenging Cases: SPECT  
Yasuda
1:45 New Approaches: Hybrid Imaging, Fast SPECT  
Di Carli
2:15 Cardiac CT: Hardware Requirements and Protocols  
Rybicki
2:45 A Systematic Approach to Interpretation of Cardiac CT  
Cury
3:15 Questions
3:30 Break
3:45 Common and Challenging Cardiac CT Cases  
Cury
4:15 Diagnosing and Managing CAD: Who Should Be Tested, How, and When?  
Hachamovitch
4:45 Questions
5:00 Adjourn

TUESDAY, MAY 22

7:55 Welcome and Announcements

NUCLEAR ONCOLOGY
8:00 Introduction to PET/CT in Oncology: Practical Aspects  
Yap
8:30 Questions
8:35 MR/Mammographic Evaluation of Breast Cancer  
DiPiro
9:05 Questions
9:10 Case-Based Review of PET/CT in Breast Cancer  
Waxman
9:55 Questions
10:00 Break
10:15 CT/MR of Gastrointestinal Malignancies  
Ros
10:45 Questions
10:50 Case-Based Review of PET/CT in Gastrointestinal Malignancies  
Van den Abbeele
11:40 Questions
11:45 Lunch Recess
12:45 CT/MR Staging of Head and Neck Cancers  
Blinder
1:15 Questions
1:20 Case-Based Review of PET/CT in Head and Neck Cancers  
Burrell
2:10 Questions
2:15 CT/MR Staging of Chest Malignancies  
Gill
2:45 Questions
2:50 Break
3:05 Case-Based Review of PET/CT in Chest Malignancies  
Sheehy
3:50 Questions
3:55 CT/MR of Pelvic Malignancies  
Sadow
4:25 Questions
4:30 Case-Based Review of PET/CT in Pelvic Malignancies  
Sheehy
5:15 Questions
5:20 Adjourn

WEDNESDAY, MAY 23

7:55 Welcome and Announcements  
Palestro
8:00 Parathyroid  
Grant
8:30 Questions  
Fahey
9:05 Questions  
Grant
9:10 Physics and Instrumentation  
Fahey
9:55 Questions
10:00 Break
10:15 Lymphoscintigraphy  
Donohoe
11:00 Questions
11:05 Inflammation and Infection  
Palestro
12:05 Questions
12:10 Lunch Recess
1:10 PET Artifacts I  
Waxman
1:55 Questions
2:00 Radionuclide Therapy  
Parker
2:40 Questions
2:45 Break
3:00 PET Artifacts II  
Waxman
3:45 Questions
3:50 Hepatobiliary  
Donohoe
4:25 Questions
4:30 General Nuclear Medicine Cases  
Powsner
5:00 Questions
5:05 Adjourn

THURSDAY, MAY 24

7:22 Welcome and Announcements
8:00 Current Status of PET Radiopharmaceuticals for Clinical Applications  
Van Brocklin
8:40 Questions
8:45 New Pathways to Radiopharmaceutical Drug Approvals  
Mills
9:20 Questions

PEDIATRIC NUCLEAR MEDICINE
9:25 Pediatric Nuclear Medicine Cases Part I  
Treves, Ma, Kang, Drubach, Stauss
10:05 Questions
10:10 Break
10:25 Pediatric Nuclear Medicine Cases Part II  
Treves, Ma, Kang, Drubach, Stauss
11:05 Questions
11:10 Gastric Emptying, Reflux and Aspiration  
Donohoe
11:55 Questions
12:00 Lunch Recess

NEURO NUCLEAR MEDICINE
1:15 Imaging of Neuroendocrine Tumors  
Burrell
1:50 Questions
1:55 Neurodegenerative Diseases  
Van Heertum
2:40 Questions
2:45 Seizures  
Treves
3:15 Questions
3:20 Break
3:35 Brain Tumors  
Van Heertum
4:20 Questions
4:25 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 27, 2007. Please specify that you are enrolled in the Clinical Nuclear Medicine/PET course to receive a reduced room rate.

Clinical Nuclear Medicine/PET
May 21-24, 2007

Class #272545

Physicians: $825 (USD)
Reduced Fee for Residents*/Fellows in Training* Technologists: $525 (USD)

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

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