

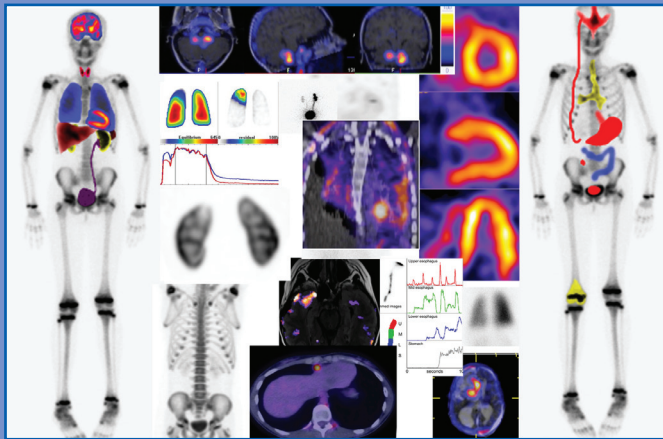


Harvard Medical School
Department of Continuing Education



Joint Program in Nuclear Medicine
Department of Radiology

CLINICAL NUCLEAR MEDICINE / PET



MAY 10-13, 2011

*Boston Marriott Long Wharf
Boston, Massachusetts, USA*

PROGRAM DIRECTOR

S Ted Treves, MD, FACNP

PROGRAM COMMITTEE

Marcelo F Di Carli, MD, FACC

Frederick D Grant, MD

J Anthony Parker, MD, PhD

Annick D Van den Abbeele, MD

* Harvard Medical School designates this educational activity for a maximum of 28.25 AMA PRA Category 1 Credits™.

* This course is pending approval by the American Board of Nuclear Medicine and American Board of Radiology for Self Assessment Credits (SAM). As of this printing, we have not received approval.

* Technologists - Pending approval for VOICE credit by the SNM and CE credit by the ASRT.

COURSE DESCRIPTION

Clinical Nuclear Medicine 2011 will cover emerging as well as established applications in nuclear medicine and molecular imaging. The course is specifically designed to encourage interactive audience participation via case-based discussions with clinical examples. Upon successful completion of the course, physicians will receive CME credit. In addition, physicians will be given an opportunity to work towards their Maintenance of Certification by taking Self-Assessment Modules (SAM). We are planning 9 SAM modules. Technologists may work towards VOICE and CE credits.

The course will cover most aspects of nuclear medicine practice including oncology, endocrinology, cardiology, neurology, pulmonary medicine, gastroenterology, urology, orthopedics, infection and inflammation, pediatrics and current trends and advances in PET instrumentation, and radiation dosimetry and risk.

Distinguished guest faculty and members of the faculty of the Harvard Medical School's Joint Program in Nuclear Medicine (JPNM) 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 from other imaging modalities will join nuclear medicine specialists in discussing the importance of achieving multimodality correlations of functional and anatomical findings. Finally, faculty will offer a glimpse into new and emerging methodologies that are likely to become part of standard nuclear medicine practice within the next decade.

OBJECTIVE

The 35th Annual Harvard Course in Nuclear Medicine, CNM 2011, will review established and emerging applications with an emphasis on promoting interactive exchange among faculty and program participants. On successful completion, attendees will be able to 1) immediately apply newly-acquired competencies to the selection, implementation, and interpretation of nuclear medicine studies; 2) increase diagnostic accuracy utilizing various NM applications; 3) develop treatment plans tailored to individual patient profiles; and 4) improve overall disease management and patient outcomes by introducing state-of-the art techniques into clinical practice.

GUEST FACULTY

Gary V Heller, MD, PhD, FACC: Professor of Medicine and Diagnostic Imaging, University of Connecticut School of Medicine, Farmington, CT; Director of Nuclear Cardiology, Associate Director of Cardiology Division, Hartford Hospital, Hartford, CT

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

Rathan Subramaniam MD, PhD, MClInEd: Associate Professor, Boston University School of Medicine; Divisions of Molecular Imaging/Nuclear Medicine and Neuroradiology, Boston Medical Center, Boston, MA

Ronald L Van Heertum, MD: Professor of Radiology, Executive Vice-Chair/CAO, Department of Radiology, Director, Division of Nuclear Medicine, New York Presbyterian Hospital, Columbia University Medical Center, New York, NY

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

HARVARD MEDICAL SCHOOL FACULTY

S James Adelstein, MD, PhD: Paul C Cabot Distinguished Professor of Medical Biophysics, Harvard Medical School, Boston, MA

Ron Blankstein, MD: Instructor in Medicine; Co-Director, Non-Invasive Cardiovascular Imaging Training Program, Cardiovascular Division and Department of Radiology, Brigham and Women's Hospital, Boston, MA

Marcelo F Di Carli, MD, FACC: Associate Professor of Radiology and Medicine; Chief, Division of Nuclear Medicine and Molecular Imaging, Director of Noninvasive Cardiovascular Imaging Program, Brigham and Women's Hospital, Boston, MA

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

Sharmila Dorbala, MD, FACC: Assistant Professor of Radiology; Director of Nuclear Cardiology; Brigham and Women's Hospital, Boston, MA

Georges El Fakhri, PhD: Associate Professor of Radiology; Director, Molecular Imaging Physics, Instrumentation and Cyclotron, Associate Director, MGH PET Core, Massachusetts General Hospital, Boston, MA

Frederic H Fahey, DSc: Associate Professor of Radiology; Director of Physics in Nuclear Medicine and Molecular Imaging, Children's Hospital Boston, Boston, MA

Frederick D Grant, MD: Instructor in Radiology and Pediatrics; Division of Nuclear Medicine and Molecular Imaging, 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

Laura L Horky, MD, PhD: Instructor in Radiology; Division of Nuclear Medicine, Brigham and Women's Hospital, Boston, MA

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

Heather A Jacene, MD: Assistant Professor of Radiology; Dana-Farber Cancer Institute, Brigham and Women's Hospital, Boston, MA

Chun K Kim, MD: Associate Professor of Radiology; Clinical Director, Division of Nuclear Medicine and Molecular Imaging, Brigham and Women's Hospital, Boston, MA

Matthew R Palmer PhD: Assistant Professor of Radiology; Division of Nuclear Medicine, Beth Israel Deaconess Medical Center, Boston, MA

J Anthony Parker, MD, PhD: Associate Professor of Radiology; Division of Nuclear Medicine, Beth Israel Deaconess Medical Center, Boston, MA

Christopher G Sakellis, MD: Instructor in Radiology; Division of Nuclear Medicine, Dana-Farber Cancer Institute, Boston, MA

S Ted Treves, MD, FACNP: Professor of Radiology; Director, Joint Program in Nuclear Medicine; Chief, Nuclear Medicine and Molecular Imaging, Children's Hospital Boston, Boston, MA

Annick D Van den Abbeele, MD: Associate Professor of Radiology; Chief, Department of Imaging and Founding Director, Center for Biomedical Imaging in Oncology, Dana-Farber Cancer Institute; Co-Director, Tumor Imaging Metrics Core, Dana-Farber/Harvard Cancer Center, Boston, MA; Site Director, Harvard Translational Imaging Consortium, Clinical Translational Science Award

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

Katherine Zukotynski, MD: Instructor in Radiology; Division of Nuclear Medicine, Dana-Farber Cancer Institute, Brigham and Women's Hospital, Boston, MA

TUESDAY, MAY 10

7:00	Registration - Continental Breakfast	
7:50	Welcome and Introduction	
SAM 1: Leader - Van den Abbeele		
Cancer Imaging: Practical Aspects		
8:00	<i>Cancer Imaging Techniques: What Should You Know?</i>	Yap
8:35	<i>Practical Clinical Aspects of PET/CT Imaging</i>	Zukotynski
9:15	<i>A Morning in the Life of a Cancer Imaging Practice</i>	Zukotynski
9:50	COFFEE BREAK	
SAM 2: Leader - Van den Abbeele		
Cancer Imaging: Lymphoma		
10:05	<i>PET/CT Imaging of Lymphoma and Its Impact on Patient Management</i>	Jacene
10:50	<i>Radioimmunotherapy of Non Hodgkin's Lymphoma</i>	Jacene
11:40	LUNCH RECESS	
SAM 3: Leader - Van den Abbeele		
Cancer Imaging: Solid Tumors		
1:00	<i>Imaging of Musculoskeletal Neoplasms</i>	Zukotynski
1:35	<i>PET/CT in Gynecologic Malignancies</i>	Sakellis
2:10	<i>PET/CT in Head and Neck Malignancies</i>	Sakellis
2:45	COFFEE BREAK	
3:00	<i>Alleviation of Bone Pain: The Role of Nuclear Medicine</i>	Sakellis
3:35	<i>Cancer Imaging as a Biomarker: Expanding Beyond Tumor Size</i>	Van den Abbeele
4:25	<i>An Afternoon in the Life of a Cancer Imaging Practice</i>	Sakellis
5:00	Adjourn	

WEDNESDAY, MAY 11

7:15	Continental Breakfast	
SAM 4: Leader - Treves		
Brain Imaging: Neurodegenerative Diseases, Epilepsy, and Brain Tumors		
8:00	<i>Brain Tumors</i>	Horky
8:45	<i>Epilepsy</i>	Treves
9:30	<i>Alzheimers and Dementia</i>	Van Heertum
10:15	COFFEE BREAK	
10:30	Pediatrics	Treves
SAM 5: Leader - Palestro		
Infection, Inflammation and Bone Imaging		
11:10	<i>Infection and Inflammation</i>	Palestro
12:00	LUNCH RECESS	
1:15	<i>Skeletal Scintigraphy</i>	Palestro
SAM 6: Leader - Donohoe		
Gastrointestinal Nuclear Medicine: Hepatobiliary Imaging, Gastric Emptying and Gastrointestinal Bleeding		
2:00	<i>Hepatobiliary</i>	Ziessman
2:35	<i>Gastric Emptying</i>	Donohoe
3:10	COFFEE BREAK	
3:25	<i>GI Bleeding</i>	Ziessman
4:00	Cases	Subramanian
4:45	Adjourn	

*Lectures in italics have been submitted for review and qualification by the ABNM and the ABR for SAM credit.

THURSDAY, MAY 12

7:15	Continental Breakfast	
8:00	Radiation Risk from Diagnostic Medical Exposures	Adelstein
SAM 7: Leader - Grant		
Endocrinology: Imaging and Treating Thyroid and Parathyroid Disease		
8:45	<i>Benign Thyroid: Diagnosis and Therapy</i>	Grant
9:30	<i>Thyroid Cancer: Management and Therapy</i>	Parker
10:05	COFFEE BREAK	
10:20	<i>SPECT/CT: Parathyroid and Thyroid</i>	Donohoe
10:55	Neuroendocrine Tumors	Grant
11:35	Accreditation	Fahey/Palmer
12:05	LUNCH RECESS	
1:20	Imaging Radiation Dose	Fahey
1:55	Lymphoscintigraphy	Kim
2:30	Instrumentation Update	El Fakhri
3:05	COFFEE BREAK	
3:20	Pulmonary Embolism	Hunsaker
3:55	Cases	Kim
4:45	Adjourn	

FRIDAY, MAY 13

7:15	Continental Breakfast	
7:55	Welcome	Di Carli
SAM 8: Leader - Di Carli		
Advances in Cardiac SPECT Imaging		
8:00	<i>SPECT Myocardial Perfusion Imaging: Radiotracers and Protocols</i>	Hauser
8:30	<i>Attenuation Correction for Cardiac SPECT: Strengths and Pitfalls</i>	Heller
9:00	<i>Advances in Pharmacological Stress Testing</i>	Dorbala
9:30	<i>Advances in Cardiac SPECT: Opportunities for Increased Efficiency and Reduced Dose</i>	Di Carli
10:00	COFFEE BREAK	
10:20	<i>Identifying and Preventing Artifacts in SPECT Imaging</i>	Dorbala
SAM 9: Leader - Di Carli		
PET and CT Imaging of the Heart		
10:50	<i>Measuring Ischemia in Patients with CAD: Implications of Clinical Trials for Nuclear Cardiology</i>	Heller
11:20	<i>PET Myocardial Perfusion Imaging: Radiotracers and Protocols</i>	Dorbala
11:50	LUNCH RECESS	
1:00	<i>Assessing Ischemia and Viability in Patients with LV Dysfunction</i>	Di Carli
1:30	<i>Implementing Cardiac PET into a busy SPECT Lab</i>	Heller
1:50	<i>Cardiac CT 101: Calcium Scoring and Coronary Angiography</i>	Blankstein
2:20	<i>Integrating CT with Nuclear Imaging</i>	Di Carli
2:45	COFFEE BREAK	
3:00	<i>Appropriate Use of Cardiac SPECT and PET Imaging: A Case-Based Review of the Guidelines</i>	Hauser
3:40	Case Review	Cardiology Speakers
5:00	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, 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, please register online at www.cme.hms.harvard.edu/courses/clinicalnuclear. 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 e-mail: hms-cme@hms.harvard.edu.

Please note: 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.

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 first three characters 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 this educational activity for a maximum of 28.25 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

We have applied for **Self Assessment Credit (SAM)** from the American Board of Nuclear Medicine and American Board of Radiology. As of this printing, we have not yet received approval and credit is pending.

Technologists: Pending approval for VOICE credit by the SNM and CE credit by the ASRT.

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 15, 2011. Please specify that you are enrolled in the Clinical Nuclear Medicine/PET course to receive a reduced room rate.

CLINICAL NUCLEAR MEDICINE/PET Class # 312545 MAY 10-13, 2011

Physicians: \$875 (USD)
Reduced Fee for Residents*/Fellows in Training*
Technologists: \$595 (USD)

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

CHECK IS ENCLOSED

Please make your check payable to *Harvard Medical School* and mail it with this registration form to: **HMS-DCE, PO Box 825, Boston, MA 02117-0825**

Please Print Clearly - All Fields Required

First Middle Initial Last

Degree

Street

City State Zip Code

Daytime Phone Fax Number

PLEASE NOTE: Your email address is used for critical information about the course including; registration confirmation, course evaluation and certificate. Please be sure to include an email address you check daily or frequently.

Email Address Please check if you wish to be excluded from receiving email notices of future HMS-DCE programs

Professional School Attended Year of Graduation

Profession

Primary Specialty (Physicians Only) Board Certified: Yes ___ No ___

Organization Affiliation

Registrations paid by credit card may be made online at:
www.cme.hms.harvard.edu/courses/clinicalnuclear

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