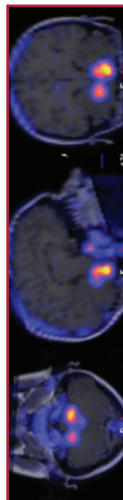




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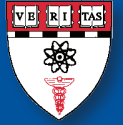
**Clinical Nuclear Medicine/PET
May 7-10, 2013**

Design by: Anna E. McCormick-MIT

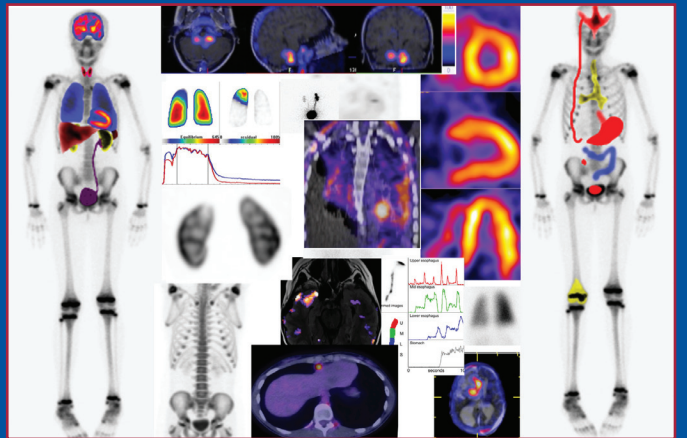


Harvard Medical School
Department of Continuing Education

Joint Program in Nuclear Medicine
Department of Radiology



CLINICAL NUCLEAR MEDICINE / PET



MAY 7-10, 2013

Tuesday - Friday

The Fairmont Copley Plaza
Boston, Massachusetts, USA

PROGRAM DIRECTOR

S Ted Treves, MD, FACNP

PROGRAM COMMITTEE

Marcelo F Di Carli, MD, FACC

Frederic H Fahey, DSc

Frederick D Grant, MD

J Anthony Parker, MD, PhD

Annick D Van den Abbeele, MD

- * Harvard Medical School designates this live activity for a maximum of 30.50 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 CE credit by the ASRT.

COURSE DESCRIPTION

Clinical Nuclear Medicine/PET is a well-established post-graduate course designed for nuclear medicine physicians, radiologists practicing nuclear medicine, fellows, residents, medical students and technologists. The objective of the course is both to review established clinical applications as well as new and emerging ones within the specialty of nuclear medicine. Through a combination of lectures on various topics as well as case-based studies with interactive participation using an electronic audience response system, the participants will be able to review a broad scope of new and advanced clinical applications and also learn about technology innovations.

WHO SHOULD ATTEND

This course is directed to nuclear medicine physicians, radiologists practicing nuclear medicine, fellows, residents, medical students and technologists.

OBJECTIVES

Upon completion of this activity, participants will be able to:

- Incorporate newly-acquired competencies to the selection, implementation and interpretation of nuclear medicine imaging studies.
- Increase diagnostic accuracy utilizing various nuclear medicine applications.
- Develop treatment plans tailored to individual patient profiles.
- Improve overall disease management and patient outcomes by introducing state-of-the-art techniques into clinical practice.
- Improve clinician awareness of the role of new and established radionuclide therapies in the practice of the field.
- Follow pediatric guidelines for imaging at the lowest absorbed radiation dose possible to obtain quality studies and increase patient safety.

GUEST FACULTY

Leonard M Freeman, MD: Professor of Radiology, Albert Einstein College of Medicine; Chief, Division of Nuclear Medicine, Montefiore Medical Center, Bronx, NY

Kirk Frey, MD, PhD: Professor of Neurology, Senior Research Scientist, Department of Radiology, Nuclear Medicine, Department of Neurology, University of Michigan Health Systems, Ann Arbor, MI

Gary V Heller, MD, PhD, FACC: Professor of Medicine, University of Connecticut School of Medicine, Farmington, 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

Eric Rohren, MD: Associate Professor of Nuclear Medicine; Section Chief, Positron Emission Tomography, The University of Texas MD Anderson Cancer Center, Houston, TX

Wolfgang A Weber, MD: Chief Molecular Imaging and Therapy, Memorial Sloan Kettering, 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: Assistant Professor in Medicine and Radiology; 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, MGH PET Core; Co-Director, Division of Nuclear Medicine and Molecular Imaging (Research), Massachusetts General Hospital, Boston, MA

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

David C Fisher, MD: Assistant Professor of Medicine; Brigham and Women's Hospital, Dana-Farber Cancer Institute, Boston, MA

Jeffrey R Garber, MD, FACP, FACE: Associate Professor of Medicine; Chief Endocrinology, Harvard Vanguard Medical Associates, Boston, MA

Frederick D Grant, MD: Assistant Professor of Radiology and Pediatrics; Division of Nuclear Medicine and Molecular Imaging, Boston Children's Hospital, Boston, MA

Mukesh Harisinghani, MD: Associate Professor of Radiology, Massachusetts General Hospital, 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

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

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, Boston Children's Hospital, 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

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

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TUESDAY, MAY 7

7:00	Registration/Continental Breakfast	
SAM 1: Leader - Jeffrey Yap, PhD		
PET/CT Cancer Imaging Techniques and Dosimetry		
8:00	PET/CT: Cancer Imaging Techniques and Radiation Dose Reduction: What Should You Know?	Jeffrey Yap, PhD
9:00	PET/CT: Practical Clinical Aspects: What Should You Know?	Heather Jacene, MD
9:30	Questions and Answers	
9:40	COFFEE BREAK	
SAM 2: Leader - Annick Van den Abbeele, MD		
PET/MRI Cancer Imaging		
9:55	PET/MRI: Basic Principles, Technology, and Practical Aspects: What Should You Know?	Georges El Fakhri, PhD
10:35	PET/MRI: Cancer Imaging Applications	Mukesh Harisinghani, MD
11:35	Questions and Answers	
11:45	LUNCH RECESS	
SAM 3: Leader - Heather Jacene, MD		
Hematology Oncology Update		
1:00	Lymphoma: The Oncologist Point of View	David Fisher, MD
1:30	Lymphoma: The Nuclear Medicine Point of View	Heather Jacene, MD
2:00	Lymphoma and Beyond: The Therapeutic Point of View	Heather Jacene, MD
2:30	Questions and Answers	
2:35	COFFEE BREAK	
SAM 4: Leader - Annick Van den Abbeele, MD Cancer Imaging Clinical Applications: PET/CT and Emerging Tracers/Therapies		
2:50	Lung Cancer	Eric Rohren, MD
3:20	Gastrointestinal Cancers	Chun Kim, MD
3:50	Neuroendocrine Tumors	Christopher Sakellis, MD
4:20	Breast Cancer and Prostate Cancer	Annick Van den Abbeele, MD
4:50	Emerging Tracers and Therapies	Wolfgang Weber, MD
5:20	Questions and Answers	
5:30	Adjourn	

WEDNESDAY, MAY 8

7:15	Continental Breakfast	
SAM 5: Endocrine Imaging		
Leader - Frederick Grant, MD		
8:00	Benign Thyroid	Frederick Grant, MD
8:40	Thyroid Cancer: Diagnosis and Management	Jeffrey Garber, MD
9:20	Thyroid Cancer: Imaging	J Anthony Parker, MD, PhD
9:50	COFFEE BREAK	
10:05	SPECT and SPECT/CT for Thyroid and Parathyroid	Kevin Donohoe, MD
10:45	Neuroendocrine Imaging	Frederick Grant, MD
SAM 6: Gastrointestinal and Liver Disease		
Leader: Kevin Donohoe, MD		
11:25	Hepatobiliary Imaging	Harvey Ziessman, MD
12:00	LUNCH RECESS	
1:15	Gastric Emptying	Kevin Donohoe, MD
1:50	Evaluation of Gastrointestinal Bleeding	Harvey Ziessman, MD
SAM 7: Nuclear Medicine in Children and Young Adults		
Leader: S Ted Treves, MD		
2:25	Renal and Genitourinary Imaging	S Ted Treves, MD, FACNP
3:00	COFFEE BREAK	
3:15	Sports Medicine Imaging	Katherine Zukotynski, MD
3:55	Assessing and Minimizing Radiation Dose	Frederic Fahey, MD
4:25	Nuclear Medicine in the Early Years of Life(CASES)	S Ted Treves, MD, FACNP
5:20	Questions and Answers	
5:30	Adjourn	

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

THURSDAY, MAY 9

7:15	Continental Breakfast	
8:00	Radiation Risk from Diagnostic Medical Exposure	S James Adelstein, MD, PhD
SAM 8: Brain Imaging		
Leader - Laura Horky, MD		
8:45	Neurodegenerative Diseases	Kirk Frey, MD
9:20	Movement Disorders	Kirk Frey, MD
9:55	COFFEE BREAK	
10:10	Epilepsy	Laura Horky, MD
10:45	Brain Tumors	Laura Horky, MD
SAM 9: Infection, Inflammation, and Skeletal Imaging		
Leader - Christopher Palestro, MD		
11:20	Radionuclide Imaging of Infection	Christopher Palestro, MD
12:00	LUNCH RECESS	
1:15	Skeletal Imaging	Christopher Palestro, MD
SAM 10: Lung Scintigraphy		
Leader - J Anthony Parker, MD		
2:00	Acute Pulmonary Embolism	Leonard Freeman, MD
2:35	SPECT and SPECT/CT in Lung Imaging	Kirk Frey, MD
3:05	COFFEE BREAK	
3:20	Altered Biodistribution in Radionuclide Imaging	Leonard Freeman, MD
3:55	Lymphoscintigraphy	Chun Kim, MD
4:30	Case Based Review	Leonard Freeman, MD
5:20	Questions and Answers	
5:30	Adjourn	

FRIDAY, MAY 10

7:15	Continental Breakfast	
7:55	Welcome	Marcelo Di Carli, MD
SAM 11: Advances in Cardiac SPECT Imaging		
Leader - Marcelo Di Carli, MD		
8:00	SPECT Myocardial Perfusion Imaging: Radiotracers and Protocols	Thomas Hauser, MD
8:30	Attenuation Correction for Cardiac SPECT: Strengths and Pitfalls	Gary Heller, MD
9:00	Patient-Centered Stress Testing in Nuclear Cardiology	Sharmila Dorbala, MD
9:30	Patient-Centered Nuclear Cardiology Imaging for Managing Quality and Dose	Marcelo Di Carli, MD
10:00	COFFEE BREAK	
10:20	Identifying and Preventing Artifacts in SPECT Imaging	Sharmila Dorbala, MD
10:50	Cardiac Neuronal Imaging: How, When, and Why?	Gary Heller, MD
SAM 12: PET and CT Imaging of the Heart		
Leader - Marcelo Di Carli, MD		
11:20	PET Myocardial Perfusion Imaging: Radiotracers and Protocols	Sharmila Dorbala, MD
11:50	LUNCH RECESS	
1:00	Assessing Ischemia and Viability in Patients with Ischemic Heart Failure	Marcelo Di Carli, MD
1:30	Emerging Role of PET in Diagnosis and Management of Cardiac Sarcoidosis	Ron Blankstein, MD
2:00	Using Quantitative Myocardial Perfusion to Improve Diagnosis and Guide Management of CAD	Marcelo Di Carli, MD
2:30	Integrating Cardiac CT and Myocardial Perfusion Imaging for Diagnosis and Management of CAD	Ron Blankstein, MD
3:00	COFFEE BREAK	
3:10	Appropriate Use of Cardiac SPECT and PET Imaging: A Case-Based Review of the Guidelines	Thomas Hauser, MD
3:40	Case Review and Questions	Afternoon Speakers
5:00	Adjourn	

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

ACCREDITATION

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

The Harvard Medical School designates this live activity for a maximum of 30.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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

Technologists - Pending approval for CE credit by the ASRT.

ACGME COMPETENCIES

This course is designed to meet one or more of the following Accreditation Council of Graduate Medical Education competencies:

* Patient care * Medical knowledge

REGISTRATION INFORMATION

Tuition Fee:

Physicians	\$895 (USD)
Residents/Fellows in Training	\$595 (USD)
Allied Health Professionals	\$595 (USD)

Registration by credit card (VISA or MasterCard) can be made at: www.cme.hms.harvard.edu/courses/clinicalnuclear. Registration by check (draft on a United States bank), please make payable to Harvard Medical School and mail with registration form to Harvard Medical School—Department of Continuing Education, PO Box 417476, Boston, MA 02241-7476. Telephone or fax registration is not accepted. Registration with cash payment is not permitted. Upon receipt of your paid registration an email confirmation from the HMS-DCE office will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information including: registration confirmation, evaluation and certificate. In an effort to “Go Green”, each participant will receive an electronic syllabus only. We will no longer be providing paper versions.

INQUIRIES

By phone 617-384-8600, Monday-Friday, 10 AM to 4 PM (EST) or by email at: hms-cme@hms.harvard.edu.

ONLINE INFORMATION

To register or view activity information online, visit: www.cme.hms.harvard.edu/courses/clinicalnuclear. To ensure proper registration, please add the first three characters of the source code.

DISCLOSURE POLICY

Harvard Medical School (HMS) adheres to all ACCME Essential Areas, Standards, and Policies. It is HMS's policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.

REFUND POLICY

A handling fee of \$60 is deducted for cancellation. Refund requests must be received by postal mail, email or fax one week prior this activity. No refunds will be made thereafter.

COURSE LOCATION

All sessions will be held at The Fairmont Copley Plaza, 138 St. James Avenue, Boston, MA 02116 (617-267-5300).

ACCOMMODATIONS/TRAVEL

A limited number of rooms have been reserved at The Fairmont Copley Plaza, Boston, MA (Telephone: 800-441-1414) until April 14, 2013. Please specify that you are enrolled in this activity to receive a reduced room rate of \$319/Fairmont Room per night Single/Double or \$349/ Deluxe Room per night Single/Double. You may also reserve your hotel reservations online via the dedicated booking website: <https://resweb.passkey.com/go/hmsclinicalnuclear>. Please do not purchase non-refundable airline ticket(s) until you have received an email from our office confirming your paid registration. For airline reservations contact the HMS Travel Desk toll free 1-877-4-HARVMD (1-877-442-7863) Monday - Friday 9 AM - 8 PM (EST). From outside the U.S., Canada and Virgin Islands please call 617-559-3764.

CLINICAL NUCLEAR MEDICINE/PET Class # 332545

MAY 7-10, 2013

TUITION FEE

Physicians:	\$895 (USD)
Residents/Fellows in Training Technologists:	\$595 (USD)
Allied Health Professionals	\$595 (USD)

In an effort to “Go Green”, each participant will receive an electronic syllabus only. We will no longer be providing paper versions.

Print Name Clearly – All Fields Required

Full Name _____

Mailing Address _____

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.

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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

Profession _____ Degree _____

Primary Specialty (Physicians Only) _____

Board Certified: Yes No

Professional School Attended (Physicians Only)

Harvard Medical School U.S. Medical School International

Year of Graduation _____

Online Registrants - add the first three characters of the source code found here: Source Code: XZZZ

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