Cardiac PET and PET-CT Workshop

COURSE DESCRIPTION
This course involves a review of cardiac PET and PET-CT techniques through lectures, case reviews and hands on experience. Participants will learn the basic principles of cardiac PET physics and instrumentation, PET radiopharmaceuticals, gain hands on experience in processing and display of PET images, image interpretation and reporting. The clinical utility of cardiac PET-CT imaging will be discussed through case reviews. Through interactive workshops, the participants will have an opportunity to improve their skills and refine their technique of cardiac PET-CT imaging.

COURSE OBJECTIVES / GOALS
Upon completion of this program the participants should be able to:
• Understand the basic principles of positron as well as CT imaging as it applies to PET/CT imaging
• Enhance their understanding on instrumentation for cardiac PET and PET/CT imaging
• Understand the differences between PET radiopharmaceuticals and the implications for optimal design of imaging protocols for evaluation of myocardial perfusion and viability with PET
• Learn how to combine protocols for evaluating myocardial perfusion and CT coronary angiography
• Understand indications, interpretation and clinical applications of myocardial perfusion PET imaging
• Improve their skills on how to perform and interpret myocardial viability imaging with PET
• Enhance their skills on integrated interpretation and reporting of combined myocardial perfusion PET and CT coronary imaging.
• Learn how to recognize and prevent artifacts associated with PET and CT imaging of the heart

Course Dates
April 19-20, 2007
September 27-28, 2007

Course Directors
Marcelo F Di Carli, MD, FACC
Sharmila Dorbala, MD, FACC
FACULTY

Marcelo F Di Carli, MD, FACC: Associate Professor of Radiology, Harvard Medical School; Chief, Nuclear Medicine/PET, Co-Director of Cardi ovascular Imaging, Brigham and Women’s Hospital
Sharmila Dorbala, MBBS: Instructor in Radiology, Harvard Medical School; Associate Director Nuclear Cardiology, Division of Nuclear Medicine, Brigham and Women’s Hospital
Georges El Fakhri, PhD: Assistant Professor of Radiology, Harvard Medical School; Staff Physicist, Division of Nuclear Medicine, Brigham and Women’s Hospital
Jolene Meserve, CNMT: PET Technologist, Division of Nuclear Medicine, Brigham and Women’s Hospital
Stephen C Moore, PhD: Associate Professor of Radiology, Harvard Medical School; Director of Nuclear Medicine Physics, Brigham and Women’s Hospital
Frank J Rybicki, MD, PhD: Assistant Professor of Radiology, Harvard Medical School; Co-Director, Cardiovascular Imaging Section, Director, Applied Imaging Science Laboratory, Brigham and Women’s Hospital

PROGRAM

Day One

7:30        Group 1: PET/CT Acquisition and Processing
             Group 2: Systematic Approach to Cardiac PET/CT Imaging

9:45        Break

10:00       Instrumentation and Principles of PET/CT
             Moore/El Fakhri

11:00       Radiotracers and Imaging Protocols for Cardiac PET/CT
             Di Carli/Dorbala

12:00       Lunch

1:00        Myocardial Perfusion PET/CT Imaging
             Di Carli/Dorbala

2:00        Break

2:15        Workshop I: Interpretation and Reporting of Cardiac PET/CT Imaging
             Di Carli/Dorbala

5:00        Adjourn

Day Two

7:30        Group 2: PET/CT Acquisition and Processing
             Group 1: Systematic Approach to Cardiac PET/CT Imaging

9:45        Break

10:00       Assessment of Myocardial Viability
             Using PET/CT
             Di Carli/Dorbala

11:00       CT Coronary Angiography Protocols in the PET/CT Scanner
             Rybicki

12:00       Lunch

1:00        Combined Assessment of Myocardial Perfusion and CT Coronary Angiography
             Di Carli/Dorbala

2:00        Break

2:15        Workshop II: Interpretation and Reporting of Cardiac PET/CT Imaging
             Di Carli/Dorbala

5:00        Adjourn

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 16 AMA PRA Category 1 Credit(s)*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

COURSE LOCATION
All sessions will be held at the Brigham and Women’s Hospital, Division of Nuclear Medicine-PET, 75 Francis Street, Boston, MA

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.

* Enrollment is Limited

PLEAS E PRINT CLEARLY

Last Name                  First Name          Middle Initial

Street

City                     State             Zip Code

Daytime Phone             Fax Number

Email Address

Professional School Attended Year of Graduation

Profession

Principal Specialty    Board Certified:  Yes ___  No ___

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

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

Tuition Fee:  $____________

Source Code: X