

NUCLEAR MEDICINE UPDATE 2010
Conjoint Meeting of LARS Nuclear Medicine Section &
Pacific Southwest Chapter Society of Nuclear Medicine
MARCH 27, 2010 – HILTON PASADENA

SESSION I - MULTI MODALITY IMAGING OF DISEASE (PET/SPECT/CT)

8:00–8:30am

New Developments in PET/CT Imaging of Myocardial Perfusion and Comparison to SPECT
– Jamshid Maddahi, MD, FACC

Upon completion of this lecture, participants will be able to

- Describe the current limitations of SPECT and PET in evaluation of myocardial perfusion and coronary artery disease.
- Summarize the potential advantages of a new F-18 labeled myocardial perfusion PET tracer in evaluation of coronary artery disease.

8:30–9:00am

PET Power in Oncology – Lalitha Ramanna, MD

Upon completion of this lecture, participants will be able to

- List Medicare approved indications for PET/CT imaging
- Outline the role of PET/CT imaging in some oncological applications
- Describe the advantages of PET/CT when compared to conventional imaging.

9:00– 9:30am

Infection – Alan D. Waxman, MD

Upon completion of this lecture, participants will be able to

- Outline the molecular imaging methods for detection of infection
- Apply the optimal approach to detection of specific infections.

9:30– 10:00am

Molecular Imaging in Endocrinology – Edwin C. Glass, MD

Upon completion of this lecture, participants will be able to

- Describe at least 3 uptake mechanisms now used to image endocrine tumors
- List two tumor types that are usually well depict using In-111 Octreotide
- List two tumor types that are usually well depicted using F-18 DOPA

10:00– 10:30am BREAK

SESSION II - FRONTIERS OF MOLECULAR IMAGING

10:30-11:00am

Stem Cell Primer – Cameron Foster, MD

Upon completion of this lecture, participants will be able to

- Identify what differentiates a normal cell from a stem cell
Identify sources of stem cells
- Demonstrate how nuclear medicine integrates with stem cell trafficking

11:00-11:30am

Molecular Biology Correlates of Tumor FDG Uptake

– Hossein Jadvar, MD, PhD, MPH, MBA

Scientific Program Chairman

Upon completion of this lecture, participants will be able to

- Outline the molecular biology determinants of FDG uptake in tumors
- Describe the correlation of the level and extent FDG uptake to lung, breast, and colon cancer biology.

PANEL DISCUSSION SESSION

11:30-12:00pm

Session I & II Faculty

Upon completion of this session participants will be able to:

- Evaluate information presented on multimodality imaging and molecular imaging.

12:00pm – 1:00pm

LUNCH

NUCLEAR MEDICINE UPDATE 2010
Conjoint Meeting of LARS Nuclear Medicine Section &
Pacific Southwest Chapter Society of Nuclear Medicine
MARCH 27, 2010 – HILTON PASADENA

SESSION III - SURVIVAL KIT: FACING REALITY

1:00-1:30pm

Accreditation 2012 and Your Imaging Laboratory
– Brenda J. King, CNMT, SNMTS

Upon completion of this lecture, participants will be able to

- List the CMS (MIPPA 2008) requirements for imaging laboratories accreditation
- Avoid stumbling blocks in the accreditation process

1:30-2:00pm

Coping with Reimbursement Trends
– Dominique Delbeke, MD, PhD

Upon completion of this lecture, participants will be able to

- Discuss the SNM mission and accomplishments for 2009
- Discuss the challenges related to reimbursement proposals by the healthcare reform
- Discuss the efforts from SNM to help membership regarding reimbursement issues

2:00-2:30pm

Reducing Radiation Exposure from Medical Imaging
– Patrick M. Colletti, MD

Upon completion of this lecture, participants will:

- Recognize deterministic and stochastic radiation risks
- Identify systematic opportunities to reduce patient radiation exposure associated with medical imaging

2:30-3:00pm

BREAK

SESSION IV - THERAPY

3:00-3:30pm

Radioimmunotherapy for Treatment of Lymphoma:
Best Practices – Peter S. Conti, MD, PhD

Upon completion of this lecture, participants will be able to

- Recognize the role of Radioimmunotherapy in the treatment of Lymphoma
- Apply the best practice approaches to delivery of RIT

3:30-4:00pm

PET/CT in Radiation Treatment Planning: Application of Biologic
Target Volumes – Sherief H. Gamie, MD, PhD

Upon completion of this lecture, participants will be able to outline the

- Application of biologic target volumes using PET/CT in external beam radiation therapy treatment planning
- Application of peritumoral target volumes using PET/CT in brachytherapy

4:00-4:30pm

PET/CT in Monitoring Treatment Response
– Johannes Czernin, MD

Upon completion of this lecture, participants will be able to

- Describe the concept of replacing size based RECIST by PET based response criteria
- Suggest timing of response assessments with PET/CT
- Outline SUV criteria for defining response versus non-response

PANEL DISCUSSION SESSION

4:30-5:00pm

Session III & IV Faculty

Upon completion of this session participants will be able to:

- Evaluate information presented on practice realities and therapy.

SCIENTIFIC PROGRAM CHAIR:

Hossein Jadvar, MD, PhD, MPH, MBA, University of Southern California