

# 2019 Clinical Nuclear Medicine

10.0 AMA PRA Category 1 Credit(s)™

# 2019 PET/CT Imaging

10.75 AMA PRA Category 1 Credit(s)™

# **Designated for SA-CME**

Release Date: October 1, 2019



## 2019 Clinical Nuclear Medicine

#### **About This CME Teaching Activity**

This CME activity is designed to provide a practical yet in-depth review of nuclear medicine with concentration on the latest trends, protocols and advances in clinical diagnosis and patient management. Faculty discuss techniques, tips and pitfalls through didactic lectures and case-based presentations.

#### **Target Audience**

This course should benefit nuclear medicine physicians and radiologists. It should also benefit physicians who supervise and interpret nuclear medicine procedures. The course should also prove valuable for physicians who order these studies.

#### **Scientific Sponsor**

Educational Symposia

#### Accreditation

**Physicians:** Educational Symposia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Educational Symposia designates this enduring material for a maximum of 10.0 AMA PRA Category 1  $Credit(s)^{TM}$ . Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**SA-CME:** Credits awarded for this enduring activity are designated "SA-CME" by the American Board of Radiology (ABR) and qualify toward fulfilling requirements for Maintenance of Certification (MOC) Part II: Lifelong Learning and Self-assessment.

All activity participants are required to take a written or online test in order to be awarded credit. (Exam materials, if ordered, will be sent with your order.) All course participants will also have the opportunity to critically evaluate the program as it relates to practice relevance and educational objectives.

AMA PRA Category 1 Credit(s)™ for this activity may be claimed until September 30, 2022.

This CME activity was planned and produced by Educational Symposia, a leader in continuing medical education since 1975.

This activity was planned and produced in accordance with the ACCME Essential Areas and Elements.

#### **Educational Objectives**

At the completion of this CME teaching activity, you should be able to:

- Apply state-of-the-art protocols to assess a hepatobiliary and gastrointestinal disorders.
- · Discuss current and future directions of nuclear medicine.
- Describe the role of nuclear medicine when used to evaluate thyroid disorders.
- Explain the expanding role of nuclear medicine studies in the detection and management of pulmonary, bone and neuroendocrine disorders.

No special educational preparation is required for this CME activity.

# 2019 PET/CT Imaging

#### **About This CME Teaching Activity**

This CME activity provides a clinical perspective of PET and PET/CT imaging. Basic to advanced applications of PET and PET/CT are put in the context of disease detection and treatment planning. All faculty have been chosen for their teaching ability, as well as for their clinical expertise.

#### **Target Audience**

This CME activity should benefit radiologists, oncologists, and nuclear medicine physicians. The course should also prove valuable for physicians who order these studies.

#### Scientific Sponsor

Educational Symposia

#### Accreditation

**Physicians:** Educational Symposia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Educational Symposia designates this enduring material for a maximum of 10.75 AMA PRA Category 1 Credit(s)<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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This activity was planned and produced in accordance with the ACCME Essential Areas and Elements.

#### **Educational Objectives**

At the completion of this CME teaching activity, you should be able to:

- Apply state-of-the-art protocols to evaluate neurodegenerative disease, head and neck and cutaneous cancers
  to clinical practice.
- Optimize PET and PET/CT imaging protocols for the detection and follow up of lymphoma and musculoskeletal tumors.
- Describe the advantages and pitfalls of PET and PET/CT.
- Differentiate normal variants and urgent findings on PET/CT.
- Discuss the utility of PET/CT when used to evaluate cardiac disease, gastrointestinal, thyroid and prostate cancers.

No special educational preparation is required for this CME activity.

## 2019 Clinical Nuclear Medicine

#### **Faculty**

#### Anca M. Avram, M.D., FACNM

Director, Nuclear Medicine Therapy Clinic Professor of Radiology University of Michigan Medical Center Ann Arbor, MI

#### Robert M. Bober, M.D., FACC

Director of Molecular Imaging John Ochsner Heart and Vascular Institute Ochsner Medical Center The Ochsner Clinical School, University of Queensland New Orleans, LA

#### Gagandeep Choudhary, M.D.

Assistant Professor Division of Molecular Imaging and Therapeutics and Neuroradiology Section University of Alabama at Birmingham Hospital Birmingham, AL

#### Joseph S. Fotos, M.D.

Assistant Professor Penn State Health Milton S. Hershey Medical Center Hershey, PA

#### Christopher J. Palestro, M.D., FSNMMI

Professor of Radiology Donald & Barbara Zucker School of Medicine at HofstralNorthwell Chief Division of Nuclear Medicine & Molecular Imaging Northwell Health Manhasset & New Hyde Park, NY

#### Mark Tulchinsky, M.D., FACNM

Professor of Radiology and Medicine Associate Director, Nuclear Medicine Penn State University Milton S. Hershey Medical Center Hershey, PA

#### **Program**

#### Session 1

Hepatobiliary Scintigraphy in Acute Conditions *Joseph S. Fotos, M.D.* 

Benign Thyroid Conditions: Imaging and Therapy (Theranostics) Ana M. Avram. M.D., FACNM

#### Session 2

V/Q Imaging in Pulmonary Embolism: Planar or SPECT

Mark Tulchinsky, M.D., FACNM

Hepatobiliary Scintigraphy in Non-Acute Conditions *Joseph S. Fotos, M.D.* 

Gastric Emptying and Gastrointestinal Bleeding Scintigraphy Mark Tulchinsky, M.D., FACNM

#### Session 3

Neuroendocrine Tumors Therapy (Theranostics)

Anca M. Avram, M.D., FACNM

Bone and Joint Scintigraphy in Benign Conditions Christopher J. Palestro, M.D., FSNMMI

#### Session 4

Parathyroid Adenomas & Pheochromocytomas Christopher J. Palestro, M.D., FSNMMI

Infection and Inflammation Scintigraphy Christopher J. Palestro, M.D., FSNMMI

Differentiated Thyroid Cancer Therapy (Theranostics)

Anca M. Avram, M.D., FACNM

#### Session 5

SPECT Brain Imaging for Non-Neurodegenerative Diseases Gagandeep Choudhary, M.D.

Myocardial Viability, Function and Innervation Robert M. Bober, M.D., FACC

Brain Scintigraphy in Neurological Diseases *Gagandeep Choudhary, M.D.* 

#### Session 6

Myocardial Perfusion and Infarct Imaging Robert M. Bober, MD, FACC

Lymphoscintigraphy: Radiotracers and Use of SPECT/CT *Joseph S. Fotos, M.D.* 

# 2019 PET/CT Imaging

#### **Faculty**

#### Robert M. Bober, M.D., FACC

Director of Molecular Imaging John Ochsner Heart and Vascular Institute Ochsner Medical Center The Ochsner Clinical School, University of Queensland New Orleans, LA

#### Gagandeep Choudhary, M.D.

Assistant Professor Division of Molecular Imaging and Therapeutics and Neuroradiology Section University of Alabama at Birmingham Hospital Birmingham, AL

#### Eric M. Rohren, M.D., Ph.D.

Professor and Chair Department of Radiology Baylor College of Medicine Houston, TX

#### Mark Tulchinsky, M.D., FACNM

Professor of Radiology and Medicine Associate Director, Nuclear Medicine Penn State University Milton S. Hershey Medical Center Hershey, PA

#### Don C. Yoo, M.D., FACR

Professor, Clinical Educator
Diagnostic Imaging
Director of Nuclear Medicine, The Miriam Hospital
Director of Medical Student Radiology Education
The Warren Alpert Medical School of Brown University
Providence, RI

#### Katherine Zukotynski, M.D.

Associate Professor of Medicine and Radiology McMaster University Hamilton, ON CANADA

#### **Program**

#### Session 1

PET/CT Techniques and Reporting Principles *Eric M. Robren, M.D., Ph.D.* 

PET/CT for Neurodegenerative Diseases *Gagandeep Choudhary, M.D.* 

PET/CT in Cardiology Robert M. Bober, M.D., FACC

#### Session 2

PET/CT in Head and Neck Cancer Don C. Yoo, M.D., FACR

PET/CT for Non-Neurodegenerative Diseases

Gagandeep Choudhary, M.D.

PET/CT in Thyroid Cancer Mark Tulchinsky, M.D., FACNM

Ga-68 and Lu-177 DOTATATE in Neuroendocrine Tumors Katherine Zukotynski, M.D.

#### Session 3

PET/CT in Malignancy of the Lung Don C. Yoo, M.D., FACR

PET/CT in Malignancy of Female Breast and Pelvis

Katherine Zukotynski, M.D.

Qualitative and Quantitative Response Criteria Eric M. Rohren, M.D., Ph.D.

#### Session 4

PET/CT in Infection and Inflammation Imaging

Don C. Yoo, M.D., FACR

PET/CT in Gastrointestinal Malignancies *Eric M. Rohren, M.D., Ph.D.* 

PET/CT in Skeletal Tumors: Primary and Metastatic

Katherine Zukotynski, M.D.

#### Session 5

PET/CT in Lymphomas
Mark Tulchinsky, M.D., FACNM

PET/CT in Prostate Cancer Eric M. Rohren, M.D., Ph.D.

PET/CT in Cancers of the Skin Mark Tulchinsky, M.D., FACNM



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#### PET/CT Imaging 2020

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Faculty & topics subject to change.

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