# 2020 PET/CT Imaging

# Release Date: October 15, 2020 | 10.25 AMA PRA Category 1 Credit(s)™

# About This CME Teaching Activity

This CME activity is a clinical perspective of PET and PET/CT imaging from basic to advanced applications set in the context of disease detection and treatment planning.

# **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 10.25 *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.

**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)<sup>™</sup> for this activity may be claimed until October 14, 2023.

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 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.

# Faculty

#### Gagandeep Choudhary, M.D.

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

### Erik S. Mittra, M.D., Ph.D.

Associate Professor, Diagnostic Radiology Division Chief, Nuclear Medicine & Molecular Imaging Oregon Health & Science University Portland, OR

#### Mark I. Travin, M.D.

Professor Department of Radiology (Nuclear Medicine) Professor Department of Medicine (Cardiology) Montefiore Medical Center Bronx, 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

#### 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 *Erik S. Mittra, M.D., Ph.D.* 

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

PET/CT in Coronary Disease and Cardiac Sarcoidosis *Mark I. Travin, M.D.* 

#### Session 2

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

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

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

#### **Session 3**

PET/CT in Lung Cancer Don C. Yoo, M.D., FACR

PET/CT in Malignancy of the Breast and Female Pelvis *Katherine Zukotynski, M.D.* 

Qualitative and Quantitative Response Criteria *Erik S. Mittra, M.D., Ph.D.* 

#### Session 4

PET/CT in Infection and Inflammation Imaging Don C. Yoo, M.D., FACR

PET/CT in Theragnostics Erik S. Mittra, M.D., Ph.D.

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

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

#### **Session 5**

PET/CT in Prostate Cancer Erik S. Mittra, M.D., Ph.D.

PET/CT in Skeletal Tumors: Primary and Metastatic *Katherine Zukotynski, M.D.* 

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

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