# 2021 Classic Lectures in Clinical Nuclear Medicine

# Release Date: October 15, 2021 | 14.5 AMA PRA Category 1 Credit(s)™

# About This CME Teaching Activity

This CME activity brings together some of our most popular lectures in Clinical Nuclear Medicine. It combines a practical yet comprehensive review of nuclear medicine imaging with a concentration on the latest trends, protocols and advances in clinical diagnosis and patient management. Faculty share techniques, tips and pitfalls through casebased 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 14.5 *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)™ for this activity may be claimed until October 14, 2024.

This program is planned and organized by Educational Symposia, a leader in accredited continuing 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 and treat thyroid disorders.
- Explain the expanding role of nuclear medicine studies in the detection and management of pulmonary, bone and neuroendocrine disorders.
- Utilize SPECT and SPECT/CT to assess lymphatic and myocardial diseases.
- Explain the clinical indications and applications of brain scintigraphy for neurological diseases.

No special educational preparation is required for this CME activity.

# 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

## Alan H. Maurer, M.D.

Adjunct Professor of Medicine Temple University Hospital and School of Medicine Philadelphia, PA

## Jonathan McConathy, M.D., Ph.D.

Director, Division of Molecular Imaging and Therapeutics University of Alabama at Birmingham Birmingham, AL

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

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

## Thomas H. Schindler, M.D.

Associate Professor in Radiology and Medicine Washington University in St. Louis, Mallinckrodt Institute of Radiology- Division of Nuclear Medicine St. Louis, MO

## 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.

Hepatobiliary Scintigraphy in Acute Abdominal Pain *Mark Tulchinsky, M.D., FACNM* 

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

Gastrointestinal Bleeding Evaluation *Alan H. Maurer, M.D.* 

## Session 2

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

Hepatobiliary Scintigraphy in Chronic Abdominal Pain Mark Tulchinsky, M.D., FACNM

### Session 3

Intestinal Motility Evaluation Alan H. Maurer, M.D.

V/Q Imaging in Pulmonary Embolism: Planar or SPECT Mark Tulchinsky, M.D., FACNM

Session 4

Neuroendocrine Tumors Therapy (Theranostics) Anca M. Avram, M.D., FACNM

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

V/Q Scintigraphy for PE and Lung Function Evaluation *Alan H. Maurer, M.D.* 

# Session 5

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

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

Differentiated Thyroid Cancer Therapy (Theranostics) Anca M. Avram, M.D., FACNM

# Session 6

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

Brain Scintigraphy in Neurological Diseases Jonathan McConathy, M.D., Ph.D.

## Session 7

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

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

SPECT and SPECT/CT in Myocardial Perfusion Imaging *Thomas H. Schindler, M.D.* 

### Session 8

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

Imaging Myocardial Viability, Function and Innervation *Thomas H. Schindler, M.D.* 

# 2021 Classic Lectures in **PET/CT Imaging**

# Release Date: October 15, 2021 | 11.5 AMA PRA Category 1 Credit(s)™

# About This CME Teaching Activity

This CME activity brings together some of our most popular lectures in 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. Faculty share techniques, tips and pitfalls through case based presentations.

# **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 11.5 *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.

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> AMA PRA Category 1 Credit(s)<sup>™</sup> for this activity may be claimed until October 14, 2024.

This program is planned and organized by Educational Symposia, a leader in accredited continuing 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.
- Implement newer protocols for evaluating cancers of the lung, prostate, breast and female pelvis into 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

## Charito Love, M.D.

Associate Professor of Radiology Albert Einstein College of Medicine Montefiore Medical Center Bronx, NY

## Jonathan McConathy, M.D., Ph.D.

Director, Division of Molecular Imaging and Therapeutics University of Alabama at Birmingham 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. Rohren, M.D., Ph.D.* 

Evaluation of Neurodegenerative Diseases and Seizures *Jonathan McConathy, M.D., Ph.D.* 

### Session 2

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

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

### Session 3

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

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

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

## Session 4

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

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

## Session 5

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

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

## Session 6

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

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

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

# Session 7

PET/CT in Metastatic Skeletal Disease and Primary Tumors Charito Love, M.D.

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

Growing PET/CT Referrals *Eric M. Rohren, M.D., Ph.D.* 

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