2017 Computed Tomography

Designated for SA-CME

This enduring material activity counts towards the SA-CME requirement for the ABR, similar to a SAM activity

ENTIRE PROGRAM: 25.0 | BODY: 11.0 | CHEST: 4.25 | CARDIAC CTA: 1.75 | NEURO: 6.75 | SAFETY: 3.25

Release Date: April 15, 2017

About This CME Teaching Activity

This CME activity is a practical, yet clinically relevant review of CT imaging with an emphasis on the latest technological advances. Tips, techniques, and expanded clinical applications are highlighted throughout the program. Topics include body, chest, cardiac and neurological imaging applications. Modern radiation dose reduction technology and imaging strategies are discussed so that viewers can apply the benefits to their own clinical practice. When appropriate, comparisons are made with other modalities.

Target Audience

This CME activity is designed to educate diagnostic imaging physicians who supervise and interpret CT studies. This CME activity should also be useful to referring physicians who order these studies so that they might gain a greater appreciation of the strengths and limitations of clinically relevant CT 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 25.0 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 pass a written or online test with a minimum score of 70% 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 April 14, 2020.

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:

- Discuss the role of CT and CTA in the evaluation of kidney and liver disease.
- Describe the expanding role of CT in the diagnosis of gastrointestinal pathology.
- Optimize pulmonary and cardiac scanning techniques and protocols.
- Differentiate suspicious from benign lung nodules.
- Review the risks of radiation dose and apply modern dose reduction protocols and imaging techniques to clinical practice.
- Utilize CT and CTA to evaluate the cerebrovascular system.

No special educational preparation is required for this CME activity.

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Faculty

Gregory A. Christoforidis, M.D.

Professor of Radiology and Surgery Section Chief of Neuroradiology Department of Radiology University of Chicago Chicago, IL

Khaled M. Elsayes, M.D.

Professor Departmen

Department of Radiology University of Texas M. D. Anderson Cancer Center Houston, TX

Elliot K. Fishman, M.D., FACR

Professor of Radiology, Surgery, Oncology, and Urology Director of Imaging, Body CT Johns Hopkins Hospital, Department of Radiology The Russell H. Morgan Department of Radiology and Radiological Science The Johns Hopkins University Baltimore, MD

Richard M. Gore, M.D., FACR

Professor of Radiology University of Chicago Chief, Gastrointestinal Radiology North Shore University Health System Evanston Hospital Evanston, IL

Perry Pickhardt, M.D.

Professor of Radiology Chief, Gastrointestinal Imaging University of Wisconsin School of Medicine & Public Health Madison, WI

Marilyn J. Siegel, M.D., FACR

Professor of Radiology and Pediatrics Mallinckrodt Institute of Radiology Washington University School of Medicine St. Louis, MO

Aaron Sodickson, M.D., Ph.D.

Section Chief of Emergency Radiology and Medical Director of CT, Brigham and Women's Hospital Associate Professor of Radiology, Harvard Medical School Boston, MA

Lawrence N. Tanenbaum, M.D., FACR

Vice President and Medical Director East Region Director of CT, MR and Advanced Imaging RadNet, Inc. New York, NY

Chip Truwit, M.D.

Professor (E) of Radiology Chief Innovation Officer, Upstream Health Chief of Radiology, Hennepin County Medical Center Professor of Radiology, University of Minnesota School of Medicine Minneapolis, MN

J. Pablo Villablanca, M.D., FACR

Professor of Diagnostic Neuroradiology Medical Director of MRI Director, Interventional Spine Service David Geffen School of Medicine at UCLA Los Angeles, CA

Charles S. White, M.D.

Professor and Vice Chair, Clinical Affairs
Chief of Thoracic Radiology
Department of Diagnostic Radiology and Nuclear Medicine
University of Maryland School of Medicine
Baltimore, MD

Stefanie Weinstein, M.D.

Associate Professor of Radiology
Department of Radiology and Biomedical Imaging
University of California, San Francisco
Assistant Director, UCSF Radiology Residency

Alison G. Wilcox, M.D., FSCCT

Associate Professor of Radiology and Internal Medicine Section Chief- Cardiothoracic Imaging Medical Director, Imaging, Keck Hospital of USC Keck Medical Center of USC Los Angeles, CA

Eric E. Williamson, M.D.

Consultant & Chair Division of Cardiovascular Radiology Department of Radiology Mayo Clinic Associate Professor of Radiology Mayo Clinic College of Medicine Rochester, MN

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• CTA TALKS | ◆ STROKE TALKS

BODY

Session 1

- Evaluation of Hematuria *Elliot K. Fishman, M.D., FACR*
- MDCT of Peptic Ulcer Disease *Perry Pickhardt, M.D.*
- Diagnosis and Staging of Gallbladder and Biliary Neoplasms
 Richard M. Gore, M.D., FACR
- MDCT/CTA of the Small Bowel and Mesentery: Tumors Elliot K. Fishman, M.D., FACR

Session 2

- Avoiding Misdiagnosis of Acute GI Tract Pathology at CT

 Parm Pichhardt, M.D.
 - Perry Pickhardt, M.D.
- CT Evaluation of Appendicitis and Diverticulitis and Their Mimics
 Richard M. Gore, M.D., FACR
- MDCT of Pancreatic Tumors *Elliott K. Fishman, M.D., FACR*

Acute Pediatric Abdomen: CT Marilyn J. Siegel, M.D., FACR

Session 3

How to Manage Incidental Lesions in the Abdomen *Richard M. Gore, M.D., FACR*

CT Colonography: 2016 Update *Perry Pickhardt*, *M.D.*

 MDCT of the Liver: How to Evaluate a Liver Mass *Elliott K. Fishman, M.D., FACR*

Session 4

The Acute Abdomen: Optimizing Protocols *Stefanie Weinstein, M.D.*

- How to Handle Incidental Lesions in the Pelvis Richard M. Gore, M.D., FACR
- CT and MRI of Enhancing Hepatic Lesions: A Diagnostic Approach Khaled M. Elsayes, M.D.

Session 5

- CT and MR Enterography Stefanie Weinstein, M.D.
- Pearls and Pitfalls in Pancreatic Masses *Khaled M. Elsayes, M.D.*

CT Colonography Stefanie Weinstein, M.D.

Session 6

 CT and MRI of Focal Hepatic Lesions: Pitfalls Khaled M. Elsayes, M.D.

Pearls & Pitfalls in Imaging the Postoperative Abdomen

Stefanie Weinstein, M.D.

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CTA TALKS | ◆ STROKE TALKS

CHEST

Session 7

Imaging of the Solitary Pulmonary Nodule: Current Status *Charles S. White, M.D.*

CT of Congenital Lung Anomalies: Infants to Adults *Marilyn J. Siegel, M.D., FACR*

 Pulmonary Embolism Imaging on CT: Old and New Insights Charles S. White, M.D.

Session 8

 Mediastinal Vascular Variants and Anomalies Marilyn J. Siegel, M.D., FACR

Interstitial Lung Disease on HRCT *Charles S. White, M.D.*

 Radiololgy of Vascular and Cardiothoracic Surgery Alison G. Wilcox, M.D., FSCCT

CARDIAC CTA

Session 9

Assessment of Chest Pain in the ED *Eric E. Williamson, M.D.*

CTA of the Coronary Arteries - Optimizing Assessment *Charles S. White, M.D.*

TAVR: Complications & Pitfalls *Alison G. Wilcox, M.D., FSCCT*

NEURO

Session 10

- CT of Acute Stroke: 2017 Update Lawrence N. Tanenbaum, M.D., FACR
- ◆ CT/CTA of the Carotid Arteries
 J. Pablo Villablanca, M.D., FACR
- CT/CTA/CTP in Stroke Gregory A. Christoforidis, M.D.

Session 11

Trauma and CT of the Head *Gregory A. Christoforidis, M.D.*

CT and MR of Epilepsy in Children and Adults *J. Pablo Villablanca, M.D., FACR*

 Dural Sinus and Deep Vein Thrombosis - CT and MR Imaging with Imaging Pearls
 J. Pablo Villablanca, M.D., FACR

Session 12

Imaging the Orbit Gregory A. Christoforidis, M.D.

 CT and MRI of Central Nervous System Infections J. Pablo Villablanca, M.D., FACR

Neuroimaging of Acute Brain Trauma *Chip Truwit, M.D.*

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• CTA TALKS | ◆ STROKE TALKS

SAFETY

Session 13

Radiation Dose in CT: Doses, Risks and Imaging Strategies

Marilyn J. Siegel, M.D., FACR

CT Protocol Optimization for Pulmonary Embolus and Trauma Imaging *Aaron Sodickson, M.D., Ph.D.*

New Developments in CT: Dose Reduction *Lawrence N. Tanenbaum, M.D., FACR*

Session 14

Dual Energy CT: How it Works, and Clinical Applications that Add Value *Aaron Sodickson*, *M.D.*, *Ph.D.*

Ultra-low Dose Abdominal CT *Perry Pickhardt, M.D.*

CT Dosimetry, Radiation Risks and Dose Reduction Strategies *Aaron Sodickson, M.D., Ph.D.*

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