

# 2020 Computed Tomography

**Release Date: April 15, 2020** | 17.0 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>

## About This CME Teaching Activity

This CME activity is designed to deliver a practical, yet clinically relevant review of CT imaging while emphasizing the latest technological advances. Tips, techniques, and expanded clinical applications are highlighted throughout the program. Modern radiation dose reduction technology and imaging strategies are highlighted.

## 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.

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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>TM</sup>  
for this activity may be claimed until April 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:

- 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.

*No special educational preparation is required for this CME activity.*

## Faculty

### **Fergus Coakley, M.D.**

*Professor and Chair, Department of Diagnostic Radiology  
Oregon Health and Science University  
Portland, OR*

### **Michael P. Federle, M.D.**

*Professor and Associate Chair for Education  
Department of Radiology  
Stanford University Medical Center  
Stanford, CA*

### **Elliot K. Fishman, M.D., FACR**

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

### **C. Douglas Phillips, M.D., FACR**

*Professor of Radiology  
Director of Head and Neck Imaging  
Weill Cornell Medical College  
New York-Presbyterian Hospital  
New York, NY*

### **Perry Pickhardt, M.D.**

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

### **Dushyant V. Sahani, M.D.**

*Director of Computed Tomography/Assistant Radiologist  
Massachusetts General 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., FACR**

*Chief Innovation Officer, Upstream Health Innovations  
Chief of Radiology, Hennepin Healthcare  
Professor of Radiology (Emeritus)  
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*

## Program

**ENTIRE PROGRAM: 17.0** | **BODY: 10.5** | **CHEST: 2.25** | **HEAD & NECK NEURO: 4.25**

**Body:** 10.5 Hours  
**Chest:** 2.25 Hours

**CTA:** 2.5 Hours  
**Safety:** 0.5 Hours

**Neuro:** 2.5 Hours  
**Head & Neck:** 1.75 Hours

### BODY IMAGING

#### Session 1

- B Expert Differential Diagnosis: Dilated Bowel  
*Michael P. Federle, M.D.*
- B Approach to a Thick Colonic Wall on CT  
*Dushyant V. Sahani, M.D.*
- B, S CT Radiation Dose: Magnitude and Mitigation  
*Fergus Coakley, M.D.*

#### Session 2

- B, CTA CT of the Acute Abdomen: GU Applications  
*Elliot K. Fishman, M.D., FACR*
- B, CTA CT of Renal Masses: A Practical Approach  
*Fergus Coakley, M.D.*
- B Differential Diagnosis: Cystic Pancreatic  
*Michael P. Federle, M.D.*

#### Session 3

- B, CTA CT Evaluation of GI Bleeding  
*Elliot K. Fishman, M.D., FACR*
- B Update on Pancreatic Cancer Imaging  
*Dushyant V. Sahani, M.D.*
- B Pearls and Pitfalls in Body CT  
*Fergus Coakley, M.D.*

#### Session 4

- B, CTA Right Lower Quadrant Pain  
*Michael P. Federle, M.D.*
- B Understanding and Avoiding Malpractice in Body CT  
*Fergus Coakley, M.D.*
- B CT Imaging of NAFLD, NASH and the Metabolic Syndrome  
*Perry Pickhardt, M.D.*

#### Session 5

- B Expert Differential Diagnosis: The Cystic Hepatic Mass  
*Michael P. Federle, M.D.*
- B Dual Energy CT: Science and Practice  
*Dushyant V. Sahani, M.D.*
- B CT Imaging of Peritoneal Disease  
*Perry Pickhardt, M.D.*

#### Session 6

- B Deep Learning: What You Need to Know as a Radiologist Today  
*Elliot K. Fishman, M.D., FACR*
- B Incidental Findings at Abdominal CT  
*Perry Pickhardt, M.D.*
- B CT for Non-invasive Staging of Liver Fibrosis: Beyond Elastography  
*Perry Pickhardt, M.D.*
- B Tips, Tricks and Pitfalls in Body Oncology CT  
*Dushyant V. Sahani, M.D.*

### CHEST

#### Session 7

- CH Pulmonary Embolism Imaging on CT  
*Charles S. White, M.D.*
- CH Lung Cancer Screening on Low Dose CT: Current Status  
*Charles S. White, M.D.*
- CH Interstitial Lung Disease  
*Charles S. White, M.D.*
- CH MDCT Evaluation of Acute Chest Pain in the Emergency Room  
*Charles S. White, M.D.*

### HEAD & NECK NEURO

#### Session 8

- N Updates in Neuro CT  
*Lawrence N. Tanenbaum, M.D., FACR*
- N Neuroimaging of Stroke  
*Chip Truwit, M.D., FACR*
- N Multimodal CT and MR in the Evaluation of Non-Aneurysmal, Non-Traumatic Intracranial Hemorrhage  
*J. Pablo Villablanca, M.D.*

#### Session 9

- N Clearing the Injured Spine with CT and MR  
*J. Pablo Villablanca, M.D.*
- H&N Developmental Sinonasal and Anterior Skull Base Lesions  
*C. Douglas Phillips, M.D., FACR*

#### Session 10

- H&N Common Presenting Problems in Head and Neck Imaging  
*C. Douglas Phillips, M.D., FACR*
- H&N Organized Approach to Orbital Imaging  
*C. Douglas Phillips, M.D., FACR*

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