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# **Practical Applications *in Radiology***

**Volume I** - Joel F. Platt, M.D., Course Director

19.0 AMA PRA Category 1 Credit(s)<sup>TM</sup>

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**Volume II** - William J. Weadock, M.D., Course Director

17.5 AMA PRA Category 1 Credit(s)<sup>TM</sup>

**Designated for SA-CME**

Release Date: July 15, 2015

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# Volume I - Joel F. Platt, M.D., Course Director

## About This CME Teaching Activity

This CME teaching activity provides a broad overview of diagnostic imaging used in clinical practice. A broad range of lecture topics, with emphasis on practical applications, will be presented. Topics will include, breast imaging, musculoskeletal, abdomen, MRI, CT, ultrasound, and neuroradiology.

## Target Audience

This CME activity is primarily intended and designed to educate diagnostic imaging physicians who perform and interpret imaging procedures. It should also be useful in educating referring physicians who order imaging procedures.

## 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 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)<sup>TM</sup> for this activity may be claimed until July 14, 2018.**

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:

- Effectively utilize diagnostic imaging modalities to evaluate cardiovascular, body, breast, musculoskeletal and neurological disorders.
- Provide a full range of differential diagnoses for cardiovascular, body, breast, musculoskeletal and neurological disorders.
- Integrate appropriate imaging protocols to assess cardiovascular, body, breast, musculoskeletal and neurological disorders into clinical practice.
- Recognize the appearance of normal anatomy and common pathology of all organ systems.
- Discuss current safety regulations and guidelines as they apply to diagnostic imaging procedures.

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

## Volume I - Platt Faculty

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### Course Director

Joel F. Platt, M.D.

Mahmoud Al-Hawary, M.D., FSAR

*Associate Professor*

*Radiology, Abdominal Imaging*

*University of Michigan*

*Ann Arbor, MI*

Richard H. Cohan, M.D.

*Professor, Radiology*

*University of Michigan Radiology*

*Ann Arbor, MI*

Jon A. Jacobson, M.D.

*Professor of Radiology*

*Director, Division of Musculoskeletal Radiology*

*Department of Radiology*

*University of Michigan*

*Ann Arbor, MI*

Alexis Virginia Nees, M.D.

*Associate Professor of Radiology*

*Division of Breast Imaging*

*University of Michigan Health System*

*Ann Arbor, MI*

Smita Patel, MBBS, MRCP, FRCR

*Professor of Radiology*

*Director of Cardiac CT*

*University of Michigan Health System*

*Ann Arbor, MI*

Joel F. Platt, M.D.

*Professor of Radiology*

*Director of Abdomen Division*

*University of Michigan Health System*

*Ann Arbor, MI*

J. Pablo Villablanca, M.D.

*Professor of Radiological Sciences*

*Chief, Neuroradiology Section*

*Medical Director of MRI*

*Director, Interventional Spine Service*

*David Geffen School of Medicine at UCLA*

*Los Angeles, CA*

## Volume I - Platt Program

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### Session 1

MDCT of Acute Abdomen: Common and Uncommon Findings

*Joel F. Platt, M.D.*

MRI of the Hip

*Jon A. Jacobson, M.D.*

Beyond the Canal: Imaging Anatomy & Pathology of the Peripheral Nerves

*J. Pablo Villablanca, M.D.*

### Session 2

Imaging of Pituitary and Parasellar Pathology

*J. Pablo Villablanca, M.D.*

Imaging of Musculoskeletal Infection

*Jon A. Jacobson, M.D.*

Stroke Imaging in the Context of Recent Study Findings

*J. Pablo Villablanca, M.D.*

### Session 3

MRI of the Rotator Cuff with Ultrasound Correlation

*Jon A. Jacobson, M.D.*

Cerebral Aneurysm Evaluated by CTA and 3T MRA

*J. Pablo Villablanca, M.D.*

Pitfalls in Musculoskeletal MRI

*Jon A. Jacobson, M.D.*

### Session 4

Contrast Media Update: Current Developments

*Richard H. Cohan, M.D.*

Update in Abdominal CT: Dose and Dual

*Joel F. Platt, M.D.*

Imaging of Renal Masses Including Staging & Renal Nephrometry

*Richard H. Cohan, M.D.*

### Session 5

Pre-Operative Staging of Breast Cancer with Axillary Ultrasound: When and How We Can Help

*Alexis Virginia Nees, M.D.*

CTA of Acute Aortic Syndromes

*Smita Patel, MBBS, MRCP, FRCR*

### Session 5 (continued)

Breast Imaging: Management of the Symptomatic Patient

*Alexis Virginia Nees, M.D.*

### Session 6

Treatment of Contrast Reactions

*Richard H. Cohan, M.D.*

HRCT: Pattern Recognition and Differential Diagnosis

*Smita Patel, MBBS, MRCP, FRCR*

Imaging After Treatment for Renal Cancer

*Richard H. Cohan, M.D.*

### Session 7

Difficult Abdominal CT Cases: Tips, Tricks and Traps

*Joel F. Platt, M.D.*

Evaluation of Coronary Bypass Grafts

*Smita Patel, MBBS, MRCP, FRCR*

### Session 8

How to Implement CTE and MRE in your Practice

*Mahmoud Al-Hawary, M.D., FSAR*

Those Pesky Abdominopelvic CT Incidentalomas

*Joel F. Platt, M.D.*

Can We Narrow the Differential of Colonic Pathology: Infection, Inflammation, Ischemia or Malignancy

*Mahmoud Al-Hawary, M.D., FSAR*

### Session 9

Pancreatitis and Associated Complications: Current Updates

*Mahmoud Al-Hawary, M.D., FSAR*

Digital Breast Tomosynthesis: What, Why and How

*Alexis Virginia Nees, M.D.*

### Session 10

Leopards to Zebras: Interesting & Challenging Cases in Breast Imaging

*Alexis Virginia Nees, M.D.*

Approach to Cystic and Solid Pancreatic Lesions: How, Why, What

*Mahmoud Al-Hawary, M.D., FSAR*

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

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## Educational Objectives

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

- Effectively utilize diagnostic imaging modalities to evaluate bone, body, breast, and neurological disorders.
- Recognize unusual disease processes in the chest, abdomen, breast and pelvis.
- Explain how changes in workstation configuration and usage can potentially reduce repetitive stress disorders.
- Integrate appropriate imaging protocols to assess bone, body, breast and neurological disorders into clinical practice.

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

## Volume II - Weadock Faculty

---

### Course Director

*William J. Weadock, M.D.*

**Peter Liu, M.D.**

*Assistant Professor of Radiology and*

*Vascular Surgery*

*Associate Program Director*

*Radiology Residency Training Program*

**Colleen H. Neal, M.D.**

*Assistant Professor of Radiology*

*Division of Breast Imaging*

**Douglas Quint, M.D.**

*Professor of Radiology*

*Division of Neuroradiology and MRI*

**Leslie E. Quint, M.D.**

*Professor of Radiology and Thoracic Surgery*

*Division of Thoracic Radiology*

**Ethan A. Smith, M.D.**

*Clinical Assistant Professor*

*Division of Pediatric Radiology*

**William J. Weadock, M.D.**

*Professor of Radiology*

*Division of Abdominal Radiology*

*All faculty are members of the Department of  
Radiology, University of Michigan Health System.*

## Volume II - Weadock Program

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### Session 1

**MRI of Intracranial Hemorrhage**

*Douglas Quint, M.D.*

**Breast Imaging Challenging Case Review**

*Colleen H. Neal, M.D.*

**Abdominal Aortic Stent Grafts**

*William J. Weadock, M.D.*

### Session 2

**Imaging of Chronic Back Pain**

*Douglas Quint, M.D.*

**Update on High-Risk Breast Lesions**

*Colleen H. Neal, M.D.*

**Ergonomics**

*William J. Weadock, M.D.*

### Session 3

**Breast MRI: Beyond Image Interpretation**

*Colleen H. Neal, M.D.*

**Diffusion MRI: More Than Just Stroke**

*Douglas Quint, M.D.*

**Lung and Pleural Nodules**

*Leslie E. Quint, M.D.*

### Session 4

**Imaging of the Postoperative and**

**Augmented Breast**

*Colleen H. Neal, M.D.*

**Common Neuroimaging Pitfalls**

*Douglas Quint, M.D.*

### Session 5

**Missed Chest CT Cases**

*Leslie E. Quint, M.D.*

**Emergency Pediatric Fluoroscopy**

*Ethan A. Smith, M.D.*

**MRCP: Techniques and Diagnosis**

*Peter Liu, M.D.*

### Session 6

**Acute Aortic Syndromes**

*Leslie E. Quint, M.D.*

**Dose Reduction Considerations in  
Modern CT Practice**

*Peter Liu, M.D.*

### Session 7

**Challenging Body CT/MR Cases**

*Peter Liu, M.D.*

**Emergency Pediatric Ultrasound**

*Ethan A. Smith, M.D.*

**Pediatric Upper Extremity Fractures**

*Ethan A. Smith, M.D.*

### Session 8

**Characterizing Focal Liver Lesions on MRI**

*Peter Liu, M.D.*

**Pediatric Abdominal Masses**

*Ethan A. Smith, M.D.*

### Session 9

**Right Lower Quadrant Pain Imaging**

*William J. Weadock, M.D.*

**Image Directed Tissue Sampling  
in Lung Cancer Staging**

*Leslie E. Quint, M.D.*

**Anatomic Variants in the  
Abdomen and Pelvis**

*William J. Weadock, M.D.*

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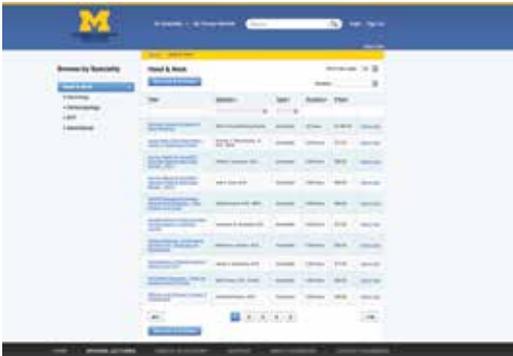
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