

Refresher Courses

More than 300 refresher courses cover traditional and cutting-edge topics in each subspecialty.

Sunday, November 29

2:00 PM - 3:30 PM

RC101

Obstructive Lung Disease: Emphysema, Large Airways, and Small Airways

(An Interactive Session)

Jeffrey P. Kanne, MD
Philippe A. Grenier, MD
Eric J. Stern, MD

RC102

Current Activities of the American Board of Radiology

(In conjunction with the American Board of Radiology)

Gary J. Becker, MD
James P. Borgstede, MD
N. Reed Dunnick, MD

RC103

Update Course in Diagnostic Radiology: Cardiac—Principles and Techniques of Cardiac CT Angiography and MR Imaging and Radiation Reduction Strategies

Jill E. Jacobs, MD, Co-Director
Uwe J. Schoepf, MD, Co-Director

- A. MR Imaging
Pamela K. Woodard, MD
- B. CT Angiography
Suhny Abbara, MD
- C. Radiation Dose at CT Angiography
Cynthia H. McCollough, PhD

RC104

Imaging of Bone Tumors

(An Interactive Session)

- A. Imaging in the Diagnosis of Bone Tumors
Carlo Masciocchi
- B. Surface Tumors of Bone
Daniel Vanel, MD
- C. MR Imaging in Staging and Treatment Evaluation of Malignant Bone Tumors
David M. Panicek, MD

RC105

Brain Perfusion Imaging: Techniques and Applications

- A. CT Perfusion Imaging
Max Wintermark, MD
- B. Contrast-enhanced MR Perfusion Imaging
A. Gregory Sorensen, MD
- C. Arterial Spin Labeling
Joseph A. Maldjian, MD

RC106

Emergency Ear, Nose, and Throat Trauma and Infections

(An Interactive Session)

- A. Head and Neck Infection and Inflammation
Gul Moonis, MD
- B. Temporal Bone Trauma
Deborah R. Shatzkes, MD
- C. Orbital and Facial Trauma
Alisa D. Gean, MD

RC107

Practical Renal Thermal Ablation

Ronald J. Zagoria, MD
William W. Mayo-Smith, MD
John R. Leyendecker, MD

RC108

Diagnosis and Management of Traumatic Abdomen and Pelvis: Bleeding and Vascular Injury

(An Interactive Session)

- A. Traumatic Abdominal Bleeding and Vascular Injury
Robert A. Novelline, MD
- B. Traumatic Pelvic Bleeding and Vascular Injury
Jorge A. Soto, MD
- C. Interventional Radiologic Management of Traumatic Abdomen and Pelvis: Bleeding and Vascular Injury
Sue E. Hanks, MD

RC109

Categorical Course in Diagnostic Radiology: Gastrointestinal—Esophagus and Stomach

(An Interactive Session)

- Rendon C. Nelson, MD, Co-Director
Desiree E. Morgan, MD, Co-Director
- A. Detection of Esophageal and Gastric Tumors
Stephen E. Rubesin, MD
 - B. Staging of Esophageal and Gastric Tumors
Richard M. Gore, MD
 - C. Imaging Patients Following Upper Gastrointestinal Surgery
Cheri L. Canon, MD

RC110

Some Great Cases I Have Seen: Liver, Urinary Tract, and Gynecology

(An Interactive Session)

Stephanie R. Wilson, MD, Moderator

- A. Liver
R. Brooke Jeffrey, Jr, MD
- B. Urinary Tract
Mitchell E. Tublin, MD
- C. Gynecology
Korosh Khalili, MD

RC111

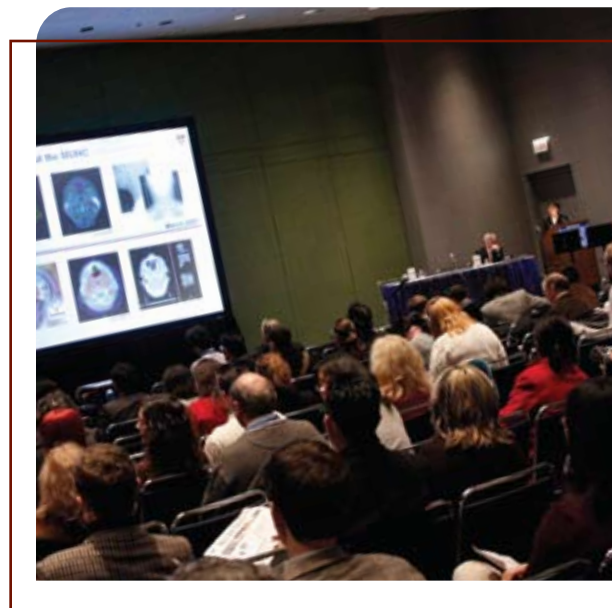
PET Brain Imaging: Current and Emerging Applications—Emphasis on Dementia

Satoshi Minoshima, MD, PhD
Yoshimi Anzai, MD
Alexander Drzezga, MD

RC112

Fast and Reliable MR Angiography: Strategies for Technique Optimization

- A. Acquisition
Stefan G. Ruehm, MD
- B. Contrast Medium
Tim Leiner, MD, PhD
- C. Postprocessing, Work Flow, and Interpretation
James C. Carr, MD



Refresher Courses (continued)

RC113

No course 113 for pediatric radiology programming during this time. See multisession course VP12.

RC114

Interventions for Pain and Sedation in Radiologic Practice

Wade H. Wong, DO
John E. Arnold, MD

RC115

Mammographic Interpretation

A. Analysis of Masses

Carl J. D'Orsi, MD

B. Analysis of Calcifications

Edward A. Sickles, MD

C. CAD for Mammography: What Is the True Value?

Valerie P. Jackson, MD

RC116

Patient-centered Radiology: Use It or Lose It (Sponsored by the RSNA Public Information Committee)

Philip O. Alderson, MD
Michael N. Brant-Zawadzki, MD
Marcy Brown, RT
Harvey L. Neiman, MD

RC117

Essentials of Molecular Imaging and Systems Diagnostics for Clinical Radiologists

A. What Is Molecular Imaging?

Daniel Lee, MD, PhD

B. What Are Systems Diagnostics, and Why Are They Relevant to Clinical Radiologists?

King C. Li, MD

C. Bioinformatics for Clinical Radiologists

Stephen T. Wong, PhD

RC118

What Diagnostic Radiologists Need to Know about Radiation Oncology

A. Basic Concepts in Radiation Oncology

Stephanie A. Terezakis, MD

B. Radiation Therapy Techniques

Ruth F. Lavigne, MD

C. Applications of PET in Radiation Oncology

Billy W. Loo, Jr, MD, PhD

D. Radiosurgery in the Head and Body

Dwight E. Heron, MD

RC121

Update Course in Diagnostic Radiology Physics: Imaging Technologies in Oncology—Introduction

J. Daniel Bourland, PhD, Co-Director
John D. Hazle, PhD, Co-Director

A. Introduction

John D. Hazle, PhD

B. Imaging for Treatment Evaluation

Michael V. Knopp, MD, PhD

C. Imaging for Real-time Monitoring

David A. Jaffray, PhD

RC122

Imaging Challenges for Radiation Oncology: Imaging for Target Definition—Where Is the Target?

Kristy K. Brock, PhD, Director

A. Target Definition Based on PET

Stephen Breen

B. Target Definition Based on MR Imaging

Yue Cao, PhD

C. Integration

Marc L. Kessler, PhD

RC123

Minicourse: Computer-assisted Decision Systems in Radiology—The Hope, the Hype, and the Hard Truth: The Clinical Need and Technical Approach

A. General Introduction of CAD in Radiology

Matthew T. Freedman, MD, MBA

B. A Short History of CAD

Maryellen L. Giger, PhD

C. Engineering Aspects of CAD Technology

Georgia D. Tourassi, PhD

RC124

Osteoporosis: Clinical and Imaging Features

A. Pathophysiology and Management

Karl L. Insogna, MD

B. Dual X-ray Absorptiometric Scan Interpretation

Donald M. Bachman, MD

C. Quantitative CT

Jean M. Weigert, MD

RC125

Categorical Course in Diagnostic Radiology Physics: Advances in Digital Tomosynthesis—From Physics to Clinical Application: Overview

James T. Dobbins III, PhD, Co-Director
Martin J. Yaffe, PhD, Co-Director

A. Introduction to Tomosynthesis

Martin J. Yaffe, PhD

B. History and Development of Tomosynthesis

Mitchell M. Goodsitt, PhD

C. Future of Tomosynthesis

James T. Dobbins III, PhD

RC126

Communicating Results (Informatics in Practice) (In association with the Society for Imaging Informatics in Medicine)

A. Communication of Critical Test Results and the National Patient Safety Goals: What You Need to Do

Ramin Khorasani, MD

B. IT Toolkit for Optimizing Communication: What You Need to Know

Nabile M. Safdar, MD

C. Critical Test Results and Electronic Health Records: A Practical Framework

Paul J. Chang, MD

RC127

Radiology Contract Negotiation: Practical Tips

Lawrence R. Muroff, MD

Julie A. Muroff Esq, JD

RC129

Minicourse: Optimize Your Body MR Practice—MR Safety Update 2009

A. Implants and Devices

Frank G. Shellock, PhD

B. Gadolinium Chelates and Nephrogenic Systemic Fibrosis

Jeffrey C. Weinreb, MD

RC130

Electronic Teaching Files (Informatics: Advances)

A. General Concepts and Basic MIRC®

Adam E. Flanders, MD

B. MyPACS Experience

Michael L. Richardson, MD

C. MIRC® with Enhancements

William J. Weadock, MD

RC132

Update Course in Diagnostic Radiology Physics: CT and MR Imaging—MR Safety

Edward F. Jackson, PhD, Co-Director
Willi A. Kalender, PhD, Co-Director

A. MR Safety Update: The ACR 2007 White Paper on MR Safety
Emanuel Kanal, MD

B. MR Safety of Implanted Devices: Pacemakers and Neurostimulators—What's Safe and When?
Emanuel Kanal, MD

C. High Field, Radiofrequency, and Gradient Safety
Daniel Schaefer, PhD



RC150

MR Imaging-guided Breast Biopsy

(Hands-on Workshop)

Michelle D. McDonough, MD
Annamaria Wilhelm, MD
Elizabeth R. DePeri, MD
Lia Bartella, MD, FRCR
Gary J. Whitman, MD
Alice S. Rim, MD
Hiroyuki Abe, MD
Elsie Levin, MD
Christiane K. Kuhl, MD
Constance D. Lehman, MD, PhD
Mary C. Mahoney, MD
Margarita L. Zuley, MD
Stamatia V. Destounis, MD
Carol H. Lee, MD
Steven E. Harms, MD
Thomas L. Pope, Jr, MD
Francesca D. Beaman, MD
W. Phil Evans III, MD
Elizabeth A. Morris, MD
Roberta A. Jong, MD

RC151

Imaging of the Mediastinum

(How-to Workshop)

Paul L. Molina, MD
Katherine R. Birchard, MD
Lacey Washington, MD

RC152

Techniques of Freehand Invasive US with Thermal Ablation (Hands-on Workshop)

William E. Shiels II, DO
Alda F. Cossi, MD
Robert D. Lyon, MD
Michael V. Krasnokutsky, MD
Hayden W. Head III, MD
Jeong-Min Lee, MD
Sarah S. Milla, MD
Mark J. Hogan, MD
Stephen C. O'Connor, MD
Howard T. Harcke, MD
Manish N. Patel, DO
Hollins P. Clark, MD
Neil V. Patel, MD

RC153

3D Visualization Applications for Gastrointestinal and Genitourinary Imaging (Hands-on Workshop)

Matthew A. Barish, MD

RC154

Freeware, Shareware, and Open-Source Imaging Tools for Radiology

(Hands-on Workshop)

Daniel P. Barboriak, MD

Monday, November 30

8:30 AM - 10:00 AM

RC201

No course 201 for chest programming during this time. See multisession course VC21.

RC202

Institutional Models for Training Residents in Business, Information Technology, and Academic Development

A. Business/Management Course for Residents

David M. Yousem, MD

B. Information Technology Training for Residents

Eliot L. Siegel, MD

C. Academic Development Course for Residents

Mary H. Scanlon, MD

RC203 \$

Update Course in Diagnostic Radiology: Cardiac—Evaluation of Acute Chest Pain

Jill E. Jacobs, MD, Co-Director
Uwe J. Schoepf, MD, Co-Director
Monvadi B. Srichai, MD
Charles S. White, MD
Robert C. Gilkeson, MD

RC204

Emerging Techniques in Musculoskeletal Imaging

Hollis G. Potter, MD
Sharmila Majumdar, PhD
Bruce M. Damon, PhD

RC205

No course 205 for neuroradiology programming during this time. See multisession course VN21.

RC206

Head and Neck Cancer: Basic Concepts and Landmarks

A. Nasopharynx

Christine M. Glastonbury, MBBS

B. Oral Cavity and Oropharynx

Suresh K. Mukherji, MD

C. Larynx: Piriform Sinus

Hugh D. Curtin, MD

RC207

No course 207 for genitourinary programming during this time. See multisession course VU21.

RC208 \$

Easily Missed Findings in Emergency Radiology: Chest and Abdomen (An Interactive Session)

A. Trauma

Kathirkamanathan Shanmuganathan, MD

B. Nontraumatic Emergencies

Stephen Ledbetter, MD