

RC723

Minicourse: Innovations and Advances in Medical Imaging Technology—Innovations and Advances in MR Imaging Technology: Parallel Imaging

Nathan Yanasak, PhD, Director

A. Clinical Applications and Image Quality Issues in Parallel Imaging
Nathan Yanasak, PhD

B. The Future of Parallel Imaging
Lawrence Wald, PhD

RC725

Update Course: Diagnostic Radiology Physics—From Invisible to Visible: The Science and Practice of X-ray Imaging and Radiation Dose Optimization

Donald P. Frush, MD, Co-Director

Kent M. Ogden, PhD, Co-Director

A. Clinical Practice: Controlling Pediatric Radiation Dose and Study Quality
Donald P. Frush, MD

B. Clinical Practice: Controlling Adult Radiation Dose and Study Quality
Thomas R. Goodman, MBBChir
James A. Brink, MD

RC726

Image Exchange (Basic Imaging Informatics)

A. XDS-I Profile
Eugene Igras

B. The Philadelphia Health Information Exchange: On Demand, Cross-Enterprise Access to Imaging using XDS-I
Elliot D. Menschik, MD, PhD

C. Image CD Importation
Bradley J. Erickson, MD, PhD

RC727

I've Just Been Sued for Medical Malpractice: What Do I Do Now?

Leonard Berlin, MD

Keith A. Hebeisen, JD

Timothy G. Nickels, JD

Jonathan W. Berlin, MD

RC730

Imaging as a Biomarker (Advanced Imaging Informatics)

A. Imaging in Clinical Trials
C. Carl Jaffe, MD

B. Methods for Quantitative Imaging
Lawrence H. Schwartz, MD

C. AVT—A Tool Kit for Validation of Measurement Algorithms
David A. Clunie, MBBS

RC731

Common Spinal Injection Procedures for Diagnosis and Treatment of Back Pain (Hands-on Workshop)

A. Orlando Ortiz, MD, MBA

John M. Mathis, MD, MSc

Chi-Shing Zee, MD

Gregg H. Zoarski, MD

Stanley Golovac, MD

RC732

Categorical Course in Diagnostic Radiology Physics: CT and MR Imaging—MR-based Assessment of Therapy

Willi A. Kalender, PhD, Co-Director

Edward F. Jackson, PhD, Co-Director

A. Assessment of Therapy Response with Dynamic Contrast-enhanced MR Imaging
Yue Cao, PhD

B. Assessment of Therapy Response with in Vivo MR Spectroscopy
Peter B. Barker, DPhil

C. Applications of Diffusion MR Imaging to the Assessment of Therapy Response
Thomas L. Chenevert, PhD

RC750

Hysterosalpingography and Selective Salpingography (Hands-on Workshop)

David M. Hovsepian, MD

Amy S. Thurmond, MD

Antoine J. Maubon, MD

Jean Pierre Rouanet De Lavit, MD

Lindsay S. Machan, MD

Ronald J. Zagoria, MD

James C. Bass, MD

Arl Van Moore, Jr, MD

RC751

Newer Concepts for the Imaging Characterization and Quantification of Chronic Obstructive Pulmonary Disease (How-to Workshop)

Robert M. Steiner, MD

Jonathan G. Goldin, MBChB, PhD

David A. Lynch, MB

RC752

Doppler Sonography: Visceral and Extremity Applications (Hands-on Workshop)

Mark E. Lockhart, MD

Susan L. Voci, MD

Nancy Carson, MBA, RDMS, RVT

M. Robert DeJong, RDMS, RVT

Vikram S. Dogra, MD

Katherine W. Fong, MD

Ulrike M. Hamper, MD, MBA

Janis G. Letourneau, MD

Shweta Bhatt, MBBS

Mani Montazemi, RDMS

Michelle L. Robbin, MD

Deborah J. Rubens, MD

Leslie M. Scoutt, MD

John G. Strang, MD

Sharon Balzarini, RDMS, RVT

Hjalti M. Thorisson, MD

RC753

3D Visualization Applications for Neuroimaging (Hands-on Workshop)

Gary J. Wendt, MD

RC754

Essential Internet Resources for Decision Support and Learning While You Work (Hands-on Workshop)

Michael P. D'Alessandro, MD

Jeffrey R. Galvin, MD

James J. Choi, MD

Friday, December 5

8:30 AM – 10:00 AM

RC801

Case-based Review: Mediastinum, Pleura, and Trauma (An Interactive Session)

Phillip M. Boiselle, MD

Gerald F. Abbott, MD

Jud W. Gurney, MD

RSNA Refresher Courses (continued)

RC802

Radiology Fellowship Match

- A. Proposal for Programs Outside of the Match: Pros
David M. Yousem, MD
- B. Proposal for Programs Outside of the Match: Cons
Stephen R. Baker, MD
- C. Radiology Fellowship Match: Resident Perspective
John K. Bradshaw, MD

RC803

Categorical Course in Diagnostic Radiology: Cardiac—New Developments in SPECT and PET of the Heart

Jill E. Jacobs, MD, Co-Director
U. Joseph Schoepf, MD, Co-Director
Daniel S. Berman, MD
Marcelo F. Di Carli, MD
Markus Schwaiger, MD

RC804

Unique Musculoskeletal Issues in Children (An Interactive Session)

Tal Laor, MD
A. Carl Merrow, MD
Boaz Karmazyn, MD

RC805

White Matter Diseases of the Brain and Spinal Cord (An Interactive Session)

James M. Provenzale, MD
Majda M. Thurnher, MD

RC806

The Central Skull Base and Evaluation of Cranial Nerves

- A. Central Skull Base: An Anatomic Approach
Bradley N. Delman, MD
- B. The Cranial Nerves: Key Concepts and Evaluation
Jan W. Casselman, MD, PhD

RC807

Practical Renal Thermal Ablation

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

RC808

State-of-the-Art Imaging for Spinal Trauma

- A. Controversies in Cervical Spine Imaging: 2008
Stuart E. Mirvis, MD
- B. Controversies in Thoracic and Lumbar Spine Imaging: 2008
Wayne S. Kubal, MD
- C. Assessing Spinal Stability
Frederick A. Mann, MD

RC809

Imaging of the Esophagus and Stomach

- A. Detection and Staging of Esophageal Tumors
Stephen E. Rubesin, MD
- B. Detection and Staging of Gastric Tumors
Richard M. Gore, MD
- C. Imaging Patients Following Bariatric Surgery
Cheri L. Canon, MD

RC810

Some Great Cases I Have Seen (An Interactive Session)

- Stephanie R. Wilson, MD, Moderator*
- A. Liver, Biliary Tract, and Pancreas
R. Brooke Jeffrey, Jr, MD
 - B. Urinary Tract
Mitchell E. Tublin, MD
 - C. Gynecology
Korosh Khalili, MD

RC811

Update Course in Diagnostic Radiology: Clinical PET and PET/CT Imaging—Emerging PET Applications

Richard L. Wahl, MD, Director

- A. Cancer Treatment Response Assessment/Prediction
Wolfgang A. Weber, MD
- B. Pediatric PET and PET/CT
Barry L. Shulkin, MD, MBA
- C. Infection/Inflammation
Katrin D. Stumpe, MD

RC812

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

RC813

Pediatric 3-T Imaging

- A. Pediatric Musculoskeletal MR Imaging
James S. Meyer, MD
- B. Pediatric 3-T Neurologic MR Imaging
Gary L. Hedlund, DO
- C. Pediatric 3-T Body MR Imaging
Kathleen H. Emery, MD

RC814

Treatment of Arteriovenous Malformations

Barry Stein, MD
Matthew A. Mauro, MD
William S. Rilling, MD

RC815

Interventional Breast Techniques (An Interactive Session)

- A. Stereotactically Guided Procedures
Mary C. Mahoney, MD
- B. Ultrasound-guided Procedures
Christopher E. Comstock, MD
- C. MR-guided Procedures
Carol H. Lee, MD

RC817

Cardiovascular Imaging in the Era of Molecular Medicine

- A. Myocardium
David E. Sosnovik, MD
- B. Atherosclerosis
Zahi A. Fayad, PhD
- C. Cell Therapy
Dara L. Kraitchman, DVM, PhD

RC818

Imaging Evaluation of Multiple Myeloma

- A. Diagnosis and Staging
Andrea Baur-Melnyk, PhD
- B. Assessment of Treatment Response and Complications
Michael E. Mulligan, MD

RC823

Minicourse: Innovations and Advances in Medical Imaging Technology—ABR Radiologic Physics Certification

G. Donald Frey, PhD, Director

- A. Introduction: Qualifications and Aspects of the 2012/2014 Initiatives
Stephen R. Thomas, PhD
- B. Maintenance of Certification (MOC) Update
G. Donald Frey, PhD
- C. Examination of the Future: Changes in the Examination for Diagnostic Radiology
Richard L. Morin, PhD
- D. Examination of the Future: Changes in the Examination for Radiation Oncology
Geoffrey S. Ibbott, PhD

RC825

Update Course: Diagnostic Radiology Physics—From Invisible to Visible: The Science and Practice of X-ray Imaging and Radiation Dose Optimization

Donald P. Frush, MD, Co-Director
Kent M. Ogden, PhD, Co-Director

- A. Computed Radiography/Digital Radiography: Adult
J. Anthony Seibert, PhD
- B. Computed Radiography/Digital Radiography: Pediatric
Charles E. Willis, PhD
- C. Computed Radiography/Digital Radiography: Radiologist Perspective on Controlling Dose and Study Quality
Cornelia M. Schaefer-Prokop, MD

RC826

Imaging Informatics Updates (Basic Imaging Informatics) (In Conjunction with the Society for Imaging Informatics in Medicine)

- A. IHE®
David S. Mendelson, MD
- B. RadLex®
Daniel L. Rubin, MD
- C. DICOM
David A. Clunie, MBBS

RC827

Important Health Policy Issues Affecting Radiology: An ACR Leadership Perspective (In Conjunction with the American College of Radiology)

William T. Thorwarth, Jr, MD
James H. Thrall, MD
John A. Patti, MD
Arl Van Moore, Jr, MD

RC830

Integration Strategies for Radiology Systems (Advanced Imaging Informatics)

- A. HL7 and DICOM versus SOA
Paul J. Chang, MD
- B. Macros and Workstation-based Integration
Stuart R. Pomerantz, MD
- C. DICOM WG23 Plug-ins
Lawrence R. Tarbox, PhD

RC831

Tumor Ablation beyond the Liver: How to and Preliminary Results

Damian E. Dupuy, MD
S. Nahum Goldberg, MD
Matthew R. Callstrom, MD, PhD

RC832

Categorical Course in Diagnostic Radiology Physics: CT and MR Imaging—MR Contrast Agent Developments and Applications

- Willi A. Kalender, PhD, Co-Director*
Edward F. Jackson, PhD, Co-Director
- A. Gadolinium-based MR Contrast Agents: Recent Advances and Applications
Thomas Meade, PhD

B. USPIO MR Contrast Agents: Recent Advances and Applications
Brian K. Rutt, PhD

C. MR Imaging with Hyperpolarized Agents: Mechanisms and Applications
A. D. Sherry, PhD

RC850

Vertebral Augmentation (How-to Workshop)

A. Orlando Ortiz, MD, MBA
John M. Mathis, MD, MSc
Bassem A. Georgy, MD, MSc
Gregg H. Zoarski, MD

RC851

Radiologic Work-up and Management of Patients with Multiple Myeloma and Other Marrow Disorders (How-to Workshop)

Edgardo J. Angtuaco, MD
Eren Erdem, MD
Twyla B. Bartel, DO

RC852

Real-Time Interventional US (Hands-on Workshop)

Kent T. Sato, MD
Terry D. Wilkin, MD
Albert A. Nemcek, Jr, MD
David Hahn, MD
Robert J. Lewandowski, MD
Sudhen B. Desai, MD
Jeffrey A. Himmelberg, MD
LeAnn S. Stokes, MD
Richard I. Chen, DO
Marc J. Alonzo, MD
Kevin L. Keele, MD
Michael H. Hamblin, MD

RC853

3D Visualization Applications for Vascular Imaging (Hands-on Workshop)

Khan M. Siddiqui, MD

RC854

Adobe FLASH for Creating Image Animations and Multimedia Educational Presentations (Hands-on Workshop)

Kevin P. Daly, MD
Spencer B. Gay, MD