Mallinckrodt Institute of Radiology
at Washington University School of Medicine

100th Scientific Assembly and
Annual Meeting of the
Radiological Society of
North America

“A Century of
Transforming Medicine”

November 30 – December 5, 2014
McCormick Place • Chicago
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EXHIBIT SCHEDULES

EDUCATION EXHIBITS AND SCIENTIFIC POSTERS
Lakeside Learning Center
Sunday, November 30—8:00 AM to 7:30 PM
Monday, December 1, through Thursday, December 4—7:00 AM to 7:30 PM
Friday, December 5—7:00 AM to 12:45 PM

HANDS-ON COMPUTER WORKSHOPS
South Building—Level 3, Hall A
Sunday, November 30, through Wednesday, December 3—10:00 AM to 5:00 PM
Thursday, December 4—10:00 AM to 2:00 PM

INFORMATICS
Lakeside Learning Center
Sunday, November 30—8:00 AM TO 7:30 PM
Monday, December 1, through Thursday, December 4—7:00 AM TO 7:30 PM
Friday, December 5—7:00 AM TO 12:45 PM

TECHNICAL EXHIBITS
South Building—Level 3, Hall A;
North Building—Level 3, Hall B;
Lakeside Center—Level 3, Hall D
Sunday, November 30, through Wednesday, December 3—10:00 AM to 5:00 PM
Thursday, December 4—10:00 AM to 2:00 PM

EDUCATION EXHIBITS AND SCIENTIFIC POSTERS
(18) F-FDG-PET/CT of Cranial Nerve Pathology
Authors: Osama Raslan, MD; Medhat Osman, MD; Vilaas Shetty, MD; Talha Allam, MD

Acquired Cardiac Valvular Disease: For the General Radiologist— Emphasis on Chest Radiograph and CT Findings
Authors: Mark Hammer, MD; Kareem Mawad, MD; Fernando Gutierrez, MD; Sanjeev Bhalla, MD
Auto-PERCIST: Semi-Automated PErCIST-based Analysis of PET Images  
Authors: Jeffrey Leal, BA; Richard Wahl, MD

Avoiding Collateral Damage: Review of Important Collateral Pathways in the Chest and Their Clinical Significance  
Authors: Demetrios Raptis, MD; Sanjeev Bhalla, MD; Constantine Raptis, MD; Seth Bartel, MD; John Symanki, MD

Back to the Basics: A Review of Congenital Spine Anomalies on Ultrasound with MRI Correlation  
Authors: Shannon Farmakis, MD; Vilaas Shetty, MD; Marilyn Siegel, MD

Bands, Chords, Tendons and Membranes in the Heart  
Authors: Ameya Baxi, MBBS, DMRD; Carlos Restrepo, MD; Daniel Vargas, MD; Daniel Ocazionez, MD; Horacio Murillo, MD, PhD; Rashmi Katre, MD; Sina Tavakoli, MD; Cylen Javidan-Nejad, MD

Breast Case of the Day  
Authors: Susan Holley, MD, PhD; Michelle Lee, MD; Evguenia Karimova, MD; Matthew Clower, MD; Rachel Loomans, MD; Hillary Shaw, MD

Chest Case of the Day  
Authors: Alvaro Huete Garin, MD; Nicole Restauri, MD; Peter Sachs MD; Daniel Vargas, MD; Thomas Suby-Long, MD; Kristopher Cummings, MD; Maria Baladron, MD; Santiago Rossi, MD; Nadeem Parkar, MD; Hilary Purdy, MD

Chronic Cholecystitis, ‘The Silent Time Bomb’: US, CT and MR Imaging Findings of Associated Neoplastic and Non-Neoplastic Complications  
Authors: Matias Vargas Araya, MD; Eugenio Zalaquett, MD; Christine Menias, MD; Maria Baladron, MD; Alvaro Huete Garin, MD; Ignacio Beddings, MD; Pablo Bachler, MD; Sanjeev Bhalla, MD

Current Techniques in Percutaneous Image-guided Treatment of Benign and Malignant Lesions of the Spine  
Authors: Kristen Lee, MD; Afshin Gangi, MD, PhD; Michael Friedman, MD; Travis Hillen, MD; Jack Jennings, MD

Don’t Have the Stomach For It: CT of Gastric Emergencies  
Authors: Preethi Guniganti, MD; Courtney Bradenham, MD; Christine Menias, MD; Vincent Mellnick, MD

Fibroblastic and Myofibroblastic Tumors of Childhood and Adolescence  
Authors: Kiran Sargar, MD; Elizabeth Sheybani, MD; Geetika Khanna, MD

Gastrointestinal Case of the Day  
Authors: Vincent Mellnick, MD; Amy Hara, MD; Christine Peterson, MD; Christine Menias, MD; Dennis Balfie, MD; Douglas Kitchin, MD; Meghan Lubner, MD; Mittul Gulati, MD; Perry Pickhardt, MD; Rex Parker, MD; Whitney Manlove, MD; Michael Chiang, MD; Jerry Loo, MD; Jennifer Kissane, MD; Matthew Lee, MD

Genital Complications of Crohn Disease: Imaging Features and Implications of Management  
Authors: Steven Kammann, MD; Christine Menias, MD; Amy Hara, MD; Mariam Moshiri, MD; Akram Shaaban, MB BCH; Kumaresan Sandrasegaran, MD; Venkateswar Surabhi, MD; Cary Siegel, MD; Steven Brandes, MD

Getting a Taste for the Pulmonary Cheerio-Imaging Appearance and Differential Diagnosis  
Authors: Travis Henry, MD; Brent Little, MD; Jonathan Chung, MD; Eugene Berkowitz, MD; Sanjeev Bhalla, MD
Inter-reader Variability in Dynamic Contrast-enhanced MR Imaging (DCE-MRI) of Patients with Recurrent Glioblastoma: Results from the Multi-center ACRIN 6677/RTOG 0625 Study
Authors: Daniel Barboriak, MD; Zheng Zhang, PhD; Pratik Desai, MD; Yair Safriel, MBBC; Robert McKinstry, MD, PhD; Felix Bokstein, MD; A. Gregory Sorensen, MD; Mark Gilbert; Jerrold Boxerman, MD, PhD

Jaundice in the Emergency Department: Fifty Shades of Yellow
Authors: Vincent Mellnick, MD; Christine Menias, MD; Nicola Refky, MS

Jelly Belly: Imaging of Pseudomyxoma Peritonei (PMP)
Authors: Joseph Mansour; Christine Menias, MD; Julic el-Ferzli, MD; Wissam Mansour, MD; Raghid Kikano, MD; Sanjeev Bhalla, MD

Like a Hole in the Head: An Anatomical Approach to Calvarial Lesions
Authors: Amar Patel, MD; Thomas Madaelil, MD; James Berger, MD; Matthew Parsons, MD

LI-RADS v2014: Interpretation and Categorization of MRI Findings Using Hepatobiliary Agents
Authors: Eduardo Costa, MD; Amol Shah, BS; Masahiro Tanabe, MD; Jay Heiken, MD; Kathryn Fowler, MD; Thomas Hope, MD; Cynthia Santillian, MD; Michael Middleton, MD, PhD; Claude Sirlin, MD

LI-RADS 2014 Technical Requirements for CT and MRI: A Primer for Radiologists
Authors: Avinash Kambadakone, MD, FRCR; Dushyant Sahani, MD; An Tang, MD; Amol Shah, BS; Thomas Hope, MD; Kathryn Fowler, MD; Rajan Gupta, MD; Karthik Ganesan, MBBS, MD; Hero Hussain, MD; Claude Sirlin, MD
Liver Infections: Multimodality Imaging to Narrow Differential Diagnosis and Avoid Pitfalls in Interpretation
Authors: Pablo Bachler, MD; Maria Baladron, MD; Christine Menias, MD; Ignacio Beddings, MD; Ron Loch, MD; Eugenio Zalaquett, MD; Matias Vargas Araya, MD; Sarah Connolly, MD; Alvaro Huete Garin, MD; Sanjeev Bhalla, MD

PET/MR for the Body Imager: Abdominal and Pelvic Applications
Authors: Tyler Fraum, MD; Kathryn Fowler, MD; Jonathan McConathy, MD, PhD; Ephraim Parent, MD, PhD; Michael Grimaldi, MD; Farrokh Dehdashti, MD; Perry Grigsby, MD; Barry Siegel, MD

Lung Cancer Mimics: False Positive Fake-outs
Authors: Saurabh Agarwal, MD; Carol Wu, MD; Matthew Gilman, MD; Sanjeev Bhalla, MD; Jo-Anne Shepard, MD; Gerald Abbott, MD

Pictorial Review of the Re-intervention Techniques after TIPS Placement (Transjugular Intrahepatic Portosystemic Shunt) According to Clinical Manifestations
Authors: Bryan Belikoff, MD, PhD; Seung Kim, MD; Carlos Guevara, MD; Kristen Lee, MD; Guillermo Gonzalez-Araiza, MD

More Than Node Worthy: Imaging of the Internal Mammary Arteries, Veins and Lymph Nodes
Authors: Sheila Kori, MD; Sreevathsan Sridhar, MD; Brent Little, MD; Sanjeev Bhalla, MD; Travis Henry, MD

Potential Redundancy in MR Imaging of Brain: Quantification by Studying the Location of Core Diagnostic Information Across Various Sequences
Authors: Arindam Chatterjee, MD; Seth-Emil Bartel, MD; Manu Goyal, MD, MSc; Matthew Parsons, MD; Aseem Sharma, MBBS

MR Imaging of Non-compressive Myelopathy
Authors: Garima Agrawal, MD; Adam Sipe, MD; Aseem Sharma, MBBS

Prophylactic Temporary IVC Filter Retrieval following Major Spinal Reconstruction Surgery: Comparison between Scoliosis and Non-scoliosis Patients
Authors: Hilary Brazeal, MD; Jay Desai, MD; Carlos Guevara, MD; Seung Kim, MD

Multimodality Review of Amyloid-Related Diseases of the Central Nervous System
Authors: Adam Sipe, MD; Sarah Connolly, MD; Tammie Benzinger, MD, PhD; Jonathan McConathy, MD, PhD; Michelle Miller-Thomas, MD

Potential Redundancy in MR Imaging of Brain: Quantification by Studying the Location of Core Diagnostic Information Across Various Sequences
Authors: Arindam Chatterjee, MD; Seth-Emil Bartel, MD; Manu Goyal, MD, MSc; Matthew Parsons, MD; Aseem Sharma, MBBS

Regional Theater: Avoiding Pitfalls in Thoracic Radiology by Understanding Regional Mycoses
Authors: Clinton Jokerst, MD; Sterling Hansen, MD; Gregory Kicska, MD, PhD; Demetrios Raptis, MD; Daniel Vargas, MD; Veronica Arteaga, MD; Sanjeev Bhalla, MD

Normal Physiology of Cerebrospinal Fluid and Diseases That Disrupt It: A Case-based Review
Authors: Hilary Purdy, MD; Aseem Sharma, MBBS

Radiosynthesis and Biological Evaluation of a Novel $^{18}$F-labeled $\alpha,\alpha$-disubstituted Amino Acid for Brain Tumor Imaging
Authors: Ahlem Bouhlel, MD; Dong Zhou, PhD; Aixiao Li; Liya Yuan, MD; Keith Rich, MD; Jonathan McConathy, MD, PhD

Peri-Procedural Pain Control Following the Universal Application of Conscious Sedation and Neuraxial Analgesia in Patients Undergoing Uterine Fibroid Embolization
Authors: Alexandros Pappas, MD; Dana Haddad, MD, PhD; Harvinder Jagat, MD; Alexander Vinzons, MD; Dimitris Giannaris, MD; George Trister, MD; Joseph Arampulikan, MD

Regional Theater: Avoiding Pitfalls in Thoracic Radiology by Understanding Regional Mycoses
Authors: Clinton Jokerst, MD; Sterling Hansen, MD; Gregory Kicska, MD, PhD; Demetrios Raptis, MD; Daniel Vargas, MD; Veronica Arteaga, MD; Sanjeev Bhalla, MD
Skeletal Manifestations of Fibroblast Growth Factor Receptor (FGFR) Gene Mutations—Can We Predict Genetic Diagnosis on the Basis of Imaging?
Authors: Kiran Sargar, MBBS, MD; Thomas Herman, MD; Marilyn Siegel, MD

Take Me to Your Leader: What to Know About Adult Intussusception
Authors: Matthew Lee, MD; Meghan Lubner, MD; Christine Menias, MD; Sanjeev Bhalla, MD; Douglas Kitchin, MD; Perry Pickhardt, MD

The Imaging Findings of Typical and Atypical Gynecologic and Genital Infections
Authors: Hilary Purdy, MD; Vincent Mellnick, MD; Nirvikar Dahiya, MD; Douglas Katz, MD; Stephanie Chang, MD; Christine Menias, MD

The Not-So-Obvious: CT-guided Biopsy of CT-occult Muskuloskeletal Lesions
Authors: Robert Talbert, MD; Chris Smith, MD; Michael Friedman, MD; Travis Hillen, MD; Jonathan Baker, MD

The Pomegranate Sign: A Useful CT Finding for Diagnosing Intrathoracic Exudates
Authors: Tomas Franquet, MD; Sanjeev Bhalla, MD; Marvin Chasen, MD; Ana Gimenez, MD; Alberto Hidalgo, MD

The Role of Hypersplenism in Complicated Portal Hypertension
Authors: Joseph Owen, MD; Kathryn Fowler, MD; Nael Saad, MBBC

The Role of Radium-223 in the Management of Osseous Metastasis in Castration-resistant Prostate Cancer (CRPC)
Authors: Charles Marcus, MBBS; Antoniou Alexander, MD; John Crandall; Richard Wahl, MD; Rathan Subramaniam, MD, PhD

Thinking Outside the Bone: A Pictorial Review of Extramedullary Hematopoiesis
Authors: Andrew Roberts, MD; Anup Shetty, MD; Vincent Mellnick, MD; Perry Pickhardt, MD; Sanjeev Bhalla, MD; Christine Menias, MD

Thoracic Manifestations of Inherited Interstitial Lung Diseases: Genotype vs. Phenotype
Authors: Saurabh Agarwal, MD; Marilyn Siegel, MD; Cylen Javidan-Nejad, MD

Tuberculosis: A Radiologic Review of Extrapulmonary Manifestations
Authors: Maria Baladron, MD; Eugenio Zalaquett, MD; Christine Menias, MD; Ignacio Beddings, MD; Pablo Bachler, MD; Matias Vargas Araya, MD; Sanjeev Bhalla, MD; Alvaro Huete Garin, MD

Ultrasound Case of the Day
Authors: Nirvikar Dahiya, MD; Kathryn Robinson, MD; Manjiri Dighe, MD; Jason Wagner, MD; Michael Beland, MD

Vascular Complications Related to Arteriotomy Access and Closure: A Pictorial Review
Authors: Rakesh Varma, MBBS, MD; Naganathan Mani, MD; Joshua Pinter, MD; Christopher Friend, MD

Vascular Emergency!: Mycotic Aneurysms of the Aorta and Its Branches: Multimodality Imaging Findings with Clinical Correlation and Post Treatment Follow-up
Authors: Ignacio Beddings, MD; Alvaro Huete Garin, MD; Sanjeev Bhalla, MD; Pablo Bachler, MD; Maria Baladron, MD; Eugenio Zalaquett, MD; Matias Vargas Araya, MD; Christine Menias, MD

What’s In a Name? Review of Specialized Radiographic Views and Stress Radiography for Musculoskeletal Trauma
Authors: Chris Smith, MD; Robert Talbert, MD; Sanjeev Bhalla, MD; Michael Friedman, MD; Travis Hillen, MD; Jonathan Baker, MD

What’s So Complex about Shone’s Complex Anyway?
Authors: Christopher Sigakis, MD; Carlos Restrepo, MD; Cylen Javidan-Nejad, MD; Jacobo Kirsch, MD; Daniel Ocazionez, MD; Daniel Vargas, MD
**SUNDAY, NOVEMBER 30**

**QUALITY STORYBOARD**  
Improving CPT Coding Accuracy for Common Musculoskeletal Interventions  
Time: 1:00 PM to 1:30 PM  
Location: Learning Center, Hall D  
Presenter: Ryan Schmidt, MD

**POSTER SESSION DISCUSSION**  
Multimodality Review of Amyloid-Related Diseases of the Central Nervous System  
Time: 12:30 PM to 1:00 PM  
Location: Learning Center, Hall D  
Presenter: Adam Sipe, MD

**REFRESHER COURSES**  
Sports Injuries in the Chest and Abdominal Wall: A Core Curriculum of the Body’s Core  
Time: 2:00 PM to 3:30 PM  
Location: N227  
Presenters: David Rubin, MD; Jonathan Baker, MD; William Palmer, MD

Optimizing CTPA: Contrast Dynamics and Administration  
Time: 2:00 PM to 3:30 PM  
Location: S406B  
Presenter: Kristopher Cummings, MD

**SCIENTIFIC SESSION**  
Nuclear Medicine Keynote Speaker: Recent Development in Oncologic PET Imaging  
Time: 10:45 AM to 12:15 PM  
Location: S505AB  
Presenter: Richard Wahl, MD

**MONDAY, DECEMBER 1**

**CME SESSION**  
What’s in a Name? Review of Specialized Radiographic Views and Stress Radiography for Musculoskeletal Trauma  
Time: 12:15 PM to 12:45 PM  
Location: Learning Center, Hall D  
Presenter: Chris Smith, MD

**POSTER DISCUSSIONS**  
Hot Spleen: Hypervascular Lesions of the Spleen  
Time: 12:45 PM to 1:15 PM  
Location: Learning Center, Hall D  
Presenter: Michyla Bowerson, MD

Impact of Spectra Separation for Monoenergetic Extrapolation Using Dual-energy Dual-source CT in Pediatric-sized Phantoms  
Time: 12:45 PM to 1:15 PM  
Location: Learning Center, Hall D  
Research Consultant: Marilyn Siegel, MD

**MULTISESSION COURSES**  
Use of Novel PET Agents to Probe Tumor Biology: From Benchtop to the Clinic  
Time: 8:30 AM to 10:00 AM  
Location: S405AB  
Presenter: Jonathan McConathy, MD, PhD

Cardiac CT Mentored Case Review: Part I  
Time: 8:30 AM to 10:00 AM  
Location: S406A  
Moderators: Pamela Woodard, MD; Jill Jacobs, MD

Coronary Artery Anomalies  
Time: 8:30 AM to 10:00 AM  
Location S405AB  
Presenter: Cylen Javidan-Nejad, MD

Imaging of Pulmonary Embolus  
Time: 8:30 AM to 12:00 PM  
Location: N230  
Presenter: Sanjeev Bhalla, MD
Gastrointestinal Series: Imaging of the Cirrhotic Patient
Time: 8:30 AM to 12:00 PM
Location: E350
Moderators: Mark Lockhart, MD; Kathryn Fowler, MD

Valves and Cardiac Function
Time: 10:30 AM to 12:15 PM
Location: S406A
Presenter: Andrew Bierhals, MD

SCIENTIFIC SESSIONS
Vascular/Interventional (IR: Hepatic Tumor Embolization)
Time: 10:30 AM to 12:00 PM
Location: E351
Moderators: Nael Saad, MBBCh; Hyun Kim, MD

ISP: Vascular/Interventional (IR: Topics of Interest/GU)
Time: 3:00 PM to 4:00 PM
Location: N226
Moderators: James Duncan, MD, PhD; Robert Dixon, MD

REFRESHER COURSE
Embolization Disasters—The 5 Worst Cases I’ve Ever Seen
Time: 8:30 AM to 12:00 PM
Location: S406B
Presenter: Michael Darcy, MD

SPECIAL INTERESTS/HOT TOPICS
Fluoroscopy Campaign Launch, Team Performance
Time: 4:30 PM to 6:00 PM
Location: S505AB
Presenter: James Duncan, MD, PhD

Technical Principles for Interventional Procedures
Time: 4:30 PM to 6:00 PM
Location: S505AB
Presenter: James Duncan, MD, PhD

FDG-PET for Cancer Staging and Monitoring
Time: 4:30 PM to 6:00 PM
Location: N227
Presenter: Richard Wahl, MD
TUESDAY, DECEMBER 2

POSTER DISCUSSIONS
Gastrointestinal Poster Discussion Session
Time: 12:15 PM to 1:15 PM
Location: Learning Center, Hall D
Moderator: Vamsi Narra, MD

Prophylactic Temporary IVC Filter Retrieval following Major Spinal Reconstruction Surgery: Comparison between Scoliosis and Non-scoliosis Patients
Time: 12:15 PM to 12:45 PM
Location: Learning Center, Hall D
Presenter: Hilary Brazeal, MD

REFRESHER COURSES
Rapid Application Development with XIP™—the eXtensible Imaging Platform
Time: 2:30 PM to 4:00 PM
Location: S401AB
Presenters: Lawrence Tarbox, PhD; Fred Prior, PhD

Interactive Game:
Gastrointestinal-Abdominal Masses
Time: 4:30 PM to 6:00 PM
Location: E350
Presenters: Jay Heiken, MD; Erik Paulson, MD; Zhen Wang, MD; David Disantis, MD

SCIENTIFIC SESSIONS
Musculoskeletal Keynote Speaker: Muscle to Tendon-Structure and Mechanism Dictate Patterns of Injury
Time: 10:30 AM to 12:00 PM
Location: E450B
Presenter: David Rubin, MD

Gastrointestinal (Liver Masses)
Time: 3:00 PM to 4:00 PM
Location: Room E353A
Moderators: Michael Blake, MBBC; Vamsi Narra, MD

Cardiac (Research/Population Studies)
Time: 3:00 PM to 4:00 PM
Location: S504AB
Presenters: Arthur Stillman, MD, PhD; Suhny Abbara, MD; Pamela Woodard, MD

Neuroradiology
(Neurointerventional Radiology)
Time: 3:00 PM to 4:00 PM
Location: N228
Moderators: Colin Derdeyn, MD; Kristine Blackham, MD

Vascular/Interventional
(IR: Venous Disease and Intervention)
Time: 3:00 PM to 4:00 PM
Location: N230
Moderators: Naganathan Mani, MD; S. William Stavropoulos, MD

Pharmacomechanical Catheter-directed Thrombolysis in Patients with IVC Filters
Time: 3:20 PM to 3:30 PM
Location: Room N230
Presenters: John Karageorgiou, MD; Kathryn Fowler, MD; Suresh Vedantham, MD; Nael Saad, MBBC

Liver-Directed Therapy for Metastases from Breast Cancer: Outcomes Analysis
Time: 5:20 PM to 5:30 PM
Location: S405AB
Moderators: Amy Fowler, MD, PhD; Stephanie Markovina, MD, PhD; Angela Hirbe, MD, PhD; Christina Speirs, MD, PhD; Alejandro Munoz Del Rio, PhD; Todd DeWees, PhD; Cynthia Ma, MD; Jeffrey Olsen, MD; Nael Saad, MBBC

MULTISESSION COURSE
18F-FDG PET/MR Carotid Plaque Imaging: Early Experience
Time 8:30 AM to 12:00 PM
Location: E351
Presenters: Jeffrey Lau, MD, PhD; Richard Laforest, PhD; Jie Zheng, PhD; Xingyu Nie, BS; Agus Priatna, PhD; Pamela Woodard, MD; David Faul, PhD; Robert Gropler, MD
SPECIAL INTEREST/HOT TOPIC
MRI of the IAC: Do We Need Gadolinium?
Time: 7:15 AM to 8:15 AM
Location: E451A
Presenters: William Dillon, MD; Franz Wippold, MD

WEDNESDAY, DECEMBER 3

CME SESSION
PET/MR for the Body Imager: Abdominal and Pelvic Applications
Time: 12:45 PM to 1:15 PM
Location: S503AB
Presenter: Tyler Fraum, MD

POSTER DISCUSSIONS
Radiosynthesis and Biological Evaluation of a Novel $^{18}$F-labeled $\alpha, \alpha$-disubstituted Amino Acid for Brain Tumor Imaging
Time: 12:45 PM to 1:15 PM
Location: S503AB
Presenter: Ahlem Bouhlel, MD

Automated Strategies for Reducing Radiation Dose in Pediatric CT Angiography
Time: 12:45 PM to 1:15 PM
Location: S101B
Presenter: Rishi Mhapsekar, MD

REFRESHER COURSES
Radio-Genomic Research: Accessing Clinical Imaging-Genomics-Pathology Data from Public Archives-The Cancer Imaging Archive
Time: 8:30 AM to 10:00 AM
Location: S401AB
Presenters: C. Carl Jaffe, MD; John Freymann, BS; Justin Kirby; Fred Prior, PhD; Lawrence Tarbox, PhD

ABR Examinations
Time: 8:30 AM to 10:00 AM
Location: S403B
Presenter: Dennis Balfe, MD

Interactive Game: Read with the Experts (Cardiac Radiology)
Time: 8:30 AM to 10:00 AM
Location: E350
Presenters: Frank Rybicki, MD, PhD; Satinder Singh, MD; Sanjeev Bhalla, MD; Jacobo Kirsch, MD

SPECIAL INTEREST/HOT TOPIC
MR of the IAC: Do We Need Gadolinium?
Time: 7:15 AM to 8:15 AM
Location: E451A
Presenters: William Dillon, MD; Franz Wippold, MD
ASRT®RSNA 2014: Dual Energy Computed Tomography
Time: 2:20 PM to 3:20 PM
Location: N230
Presenter: Marilyn Siegel, MD

**SCIENTIFIC SESSIONS**

**Pediatrics (Oncology and Nuclear Medicine)**
Time: 10:30 AM to 12:00 PM
Location: S102AB
Moderator: Geetika Khanna, MD

**Microwave Versus Radiofrequency Ablation for the Treatment of HCC: A Comparison of Efficacy and Safety at a Single Center**
Time: 10:30 AM to 12:00 PM
Location: N226
Presenter: Theodora Potretzke, MD

**Cardiac (Coronary Artery Disease)**
Time: 10:30 AM to 12:00 PM
Location: S502AB
Moderators: Pamela Woodard, MD; Gregory Gladish, MD; Robert Herfkens, MD

**Cardiac (Pulmonary Artery Disease)**
Time: 3:00 PM to 4:00 PM
Location: S504AB
Moderators: Vincent Ho, MD, MBA; Sanjeev Bhalla, MD; Lawrence Goodman, MD

**Single Center Experience with Hepatic Cryoablation: Safety and Efficacy**
Time: 11:20 AM to 11:30 AM
Location: N227
Authors: Nael Saad, MBBCh; Rebecca Mueller, MD; Kathryn Fowler, MD
Presenter: Joseph Owen, MD

**Radiolabeling and Biological Evaluation of a Novel 76Br-labeled Amino Acid, BrVAIB, for PET Imaging of Brain Tumors**
Time: 3:20 PM to 3:30 PM
Location: S504CD
Authors: Jennifer Burkemper, PhD; Chaofeng Huang, PhD; Amanda Klaas; Deborah Sultan; Aixiao Li, PhD; Liya Yuan, MD; Efrem Mebrahtu; Keith Rich, MD; Jonathan McConathy, MD, PhD; Suzanne Lapi, PhD

**Neuroradiology (Resting State Functional Brain Imaging)**
Time: 3:00 PM to 4:00 PM
Location: N226
Authors: Christopher Whitlow, MD, PhD; Joshua Shimony, MD, PhD

**The Radiologist’s Workflow Environment: Evaluation of Disruptors and Potential Implications**
Time: 11:20 AM to 11:30 AM
Location: S405AB
Authors: John-Paul Yu, MD, PhD; Akash Kansagra, MD; John Mongan, MD, PhD

**SPECIAL INTEREST/HOT TOPIC**

**Controversy Session: Breast Density Notification Legislation: Pros and Cons**
Time: 7:15 AM to 8:15 AM
Location: N226
Moderator/Presenters: Christopher Comstock, MD; Barbara Monsees, MD; Stephen Feig, MD
THURSDAY, DECEMBER 4

POSTER DISCUSSIONS
Potential Redundancy in MR Imaging of Brain: Quantification by Studying the Location of Core Diagnostic Information Across Various Sequences
Time: 12:15 PM to 12:45 PM
Location: Learning Center, Hall D
Presenter: Arindam Chatterjee, MD

Nuclear Medicine Thursday Poster Discussions
Time: 12:15 PM to 12:45 PM
Location: S503AB
Moderator: Jonathan McConathy, MD, PhD

Current Techniques in Percutaneous Image-guided Treatment of Benign and Malignant Lesions of the Spine
Time: 12:15 PM to 12:45 PM
Location: Learning Center, Hall D
Presenter: Kristen Lee, MD

MULTISESSION COURSES
Evaluating the Symptomatic Patient
Time: 1:30 PM to 3:00 PM
Location: S100AB
Presenter: Catherine Appleton, MD

Radiofrequency Ablation of Spinal Disease
Time: 4:35 PM to 4:50 PM
Location: S405AB
Presenter: Jack Jennings, MD

REFRESHER COURSES
Cardiac PET/MRI: Clinical Applications
Time: 8:30 AM to 10:00 AM
Location: E353B
Presenter: Pamela Woodard, MD

MR Imaging-guided Breast Biopsy (Hands-on Workshop)
Time: 4:30 PM to 6:00 PM
Location: E260
Authors: Michelle Lee, MD; Amy Argus, MD; Wade Hedegard, MD; Christiane Kuhl, MD; Wendy Demartini, MD; W. Phil Evans, MD; Jennifer Cranney, MD; Amy Kerg, MD; Colleen Neal, MD; Michael McNamara, MD; Carol Dell, MD; Mitva Patel, MD; Candice Bolan, MD; Kathleen Gundry, MD; Christopher Ho, MD; Roberta Jong, MD; Caro Lee, MD; Hiroyuki Abe, MD; Karla Sepulveda, MD; Kirti Kulkarni, MD; Andrew Bowman, MD, PhD; Stamatia Destounis, MD; Su-Ju Lee, MD

From Research to Reimbursement: Lung Cancer Screening and Healthcare Payment Policy (in Conjunction with the American College of Radiology)
Time: 4:30 PM to 6:00 PM
Location: S403B
Presenters: Pamela Kassing, MPA; Geraldine McGinty, MD; Ezequiel Silva, MD; Daniel Picus, MD; James Rawson, MD; Mark Bernardy, MD; Robert Zeman, MD

Basics and Implementation
Time: 4:30 PM to 6:00 PM
Location: S406B
Presenter: Catherine Appleton, MD

US for Thyroid Cancer: Diagnosis, Surveillance, and Treatment (How-to Workshop)
Time: 4:30 PM to 6:00 PM
Location: E263
Presenters: Jill Langer, MD; Kathryn Robinson, MD; Sheila Sheth, MD

SCIENTIFIC SESSIONS
ISP: Nuclear Medicine (Cardiovascular Imaging)
Time: 10:30 AM to 12:00 PM
Location: S505AB
Moderators: Jonathan McConathy, MD, PhD; Akash Sharma, MD
Nuclear Medicine Keynote Speaker:  
New PET Cardiovascular Biomarkers-Beyond Perfusion and Viability  
Time: 10:30 AM to 12:00 PM  
Location: S505AB  
Presenter: Robert Gropler, MD

Do Incidental Findings Discovered on Pre-procedural CT for Trans-catheter Aortic Valve Replacement Have an Impact on Decision to Treat Aortic Stenosis?  
Time: 10:30 AM to 12:00 PM  
Location: S504AB  
Authors: Elham Najafpour, MD; Sreevathsan Sridhar, MD; Daniel Vargas, MD; Saman Panahipour, MD; Alan Zajarias, MD; Cylen Javidan-Nejad, MD

ISP: Genitourinary  
(Intervention in the GU Tract)  
Time: 10:30 AM to 12:00 PM  
Location: E450B  
Moderators: Cary Siegel, MD; Parvati Ramchandani, MD

Comparison of [18F]DCFBC PET/CT to Conventional Imaging Modalities in the Detection of Metastatic Prostate Cancer  
Time: 10:30 AM to 12:00 PM  
Location: S504CD  
Presenters: Steven Rowe, MD, PhD; Katarzyna Macura, MD, PhD; Anthony Ciarallo, MD; Esther Mena, MD; Amanda Blackford, MSc; Daniel Holt, PhD; Ronnie Mease, PhD; Robert Dannals, PhD; Martin Pomper, MD, PhD; Steve Cho, MD

FRIDAY, DECEMBER 5

REFRESHER COURSE  
Infiltrative Diseases (Amyloid, Hemochromatosis Fabrys, Sarcoid)  
Time: 8:30 AM to 10:00 AM  
Location: E351  
Presenter: Kristopher Cummings, MD

SCIENTIFIC SESSION  
Resting State fMRI as a Predictor of Vision Loss in Patients with Neurofibromatosis Type 1 (NF1)-associated Optic Pathway Gliomas  
Time: 11:20 AM to 11:30 PM  
Location: N229  
Authors: Noushin Yahyavi-Firouz-Abadi, MD; Jerrel Rutlin; James Hoekel; Robert McKinstry, MD, PhD; Joshua Shimony, MD, PhD; David Gutmann, MD, PhD
SUBJECT INDEX

BREAST
Susan Holley, MD, PhD; Michelle Lee, MD; Evgenia Karimova, MD; Matthew Clower, MD; Rachel Loomans, MD; Hillary Shaw, MD
Education Exhibit/Scientific Poster
Breast Case of the Day
November 29 to December 5

Christopher Comstock, MD; Barbara Monsees, MD; Stephen Feig, MD
Special Session
Controversy Session: Breast Density Notification Legislation: Pros and Cons
December 3

Catherine Appleton, MD
Multisession Course
Evaluating the Symptomatic Patient
December 4

Catherine Appleton, MD
Refresher Course
Basics and Implementation
December 4

Michelle Lee, MD; Amy Argus, MD; Wade Hedegard, MD; Christiane Kuhl, MD; Wendy Demartini, MD; W. Phil Evans, MD; Jennifer Cranny, MD; Amy Kerger, DO; Colleen Neal, MD; Michael McNamara, MD; Carol Dell, MD; Mitva Patel, MD; Candice Bolan, MD; Kathleen Gundry, MD; Christopher Ho, MD; Roberta Jong, MD; Caro Lee, MD; Hiroyuki Abe, MD; Karla Sepulveda, MD; Kirti Kulkarni, MD; Andrew Bowman, MD, PhD; Stamatia Destounis, MD; Su-Ju Lee, MD
Refresher Course
MR Imaging-guided Breast Biopsy (Hands-on Workshop)
December 4

CARDIAC
Mark Hammer, MD; Kareem Mawad, MD; Fernando Gutierrez, MD; Sanjeev Bhalla, MD
Education Exhibit/Scientific Poster
Acquired Cardiac Valvular Disease: For the General Radiologist—Emphasis on Chest Radiograph and CT Findings
November 29 to December 5

Ameya Baxi, MBBS, DMRD; Carlos Restrepo, MD; Daniel Vargas, MD; Daniel Ocazionez, MD; Horacio Murillo, MD, PhD; Rashmi Katre, MD; Sina Tavakoli, MD; Cylen Javidan-Nejad, MD
Education Exhibit/Scientific Poster
Bands, Chords, Tendons and Membranes in the Heart
November 29 to December 5

Joseph Mansour; Sanjeev Bhalla, MD; Kristopher Cummings, MD; Fernando Gutierrez, MD; Julie el-Ferzli, MD; Christine Menias, MD; Rita Chahinian, MD
Education Exhibit/Scientific Poster
Getting at the Heart of the Matter: The Heart in Abdominal Disease
November 29 to December 5

Pamela Woodard, MD; Jill Jacobs, MD
Multisession Course
Cardiac CT Mentored Case Review: Part I
December 1

Cylen Javidan-Nejad, MD
Multisession Course
Coronary Artery Anomalies
December 1

Andrew Bierhals, MD
Multisession Course
Valves and Cardiac Function
December 1

Arthur Stillman, MD, PhD; Suhny Abbara, MD; Pamela Woodard, MD
Scientific Session
Cardiac (Research/Population Studies)
December 2
Frank Rybicki, MD, PhD; Satinder Singh, MD; Sanjeev Bhalla, MD; Jacobo Kirsch, MD
Refresher Course
Interactive Game: Read with the Experts
(Cardiac Radiology)
December 3

Pamela Woodard, MD; Gregory Gladish, MD; Robert Herfkens, MD
Scientific Session
Cardiac (Coronary Artery Disease)
December 3

Vincent Ho, MD, MBA; Sanjeev Bhalla, MD; Lawrence Goodman, MD
Scientific Session
Cardiac (Pulmonary Artery Disease)
December 3

Pamela Woodard, MD
Refresher Course
Cardiac PET/MRI: Clinical Applications
December 3

Kristopher Cummings, MD
Refresher Course
Infiltrative Diseases (Amyloid, Hemochromatosis Fabrys, Sarcoid)
December 4

CHEST
Travis Henry, MD; Brent Little, MD; Jonathan Chung, MD; Eugene Berkowitz, MD; Sanjeev Bhalla, MD
Education Exhibit/Scientific Poster
Getting a Taste for the Pulmonary Cheerio-Imaging Appearance and Differential Diagnosis
November 29 to December 5

Demetrios Raptis, MD; Sanjeev Bhalla, MD; Constantine Raptis, MD, Seth Bartel, MD; John Symanki, MD
Education Exhibit/Scientific Poster
Avoiding Collateral Damage: Review of Important Collateral Pathways in the Chest and Their Clinical Significance
November 29 to December 5

Alvaro Huete Garin, MD; Nicole Restauri, MD; Peter Sachs, MD; Daniel Vargas, MD; Thomas Suby-Long, MD; Kristopher Cummings, MD; Maria Baladron, MD; Santiago Rossi, MD; Nadeem Parkar, MD; Hilary Purdy, MD
Education Exhibit/Scientific Poster
Chest Case of the Day
November 29 to December 5

Saurabh Agarwal, MD; Carol Wu, MD; Matthew Gilman, MD; Sanjeev Bhalla, MD; Jo-Anne Shepard, MD; Gerald Abbott, MD
Education Exhibit/Scientific Poster
Lung Cancer Mimics: False Positive Fake-outs
November 29 to December 5

Sheila Kori, MD; Sreevathsan Sridhar, MD; Brent Little, MD; Sanjeev Bhalla, MD; Travis Henry, MD
Education Exhibit/Scientific Poster
More Than Node Worthy: Imaging of the Internal Mammary Arteries, Veins and Lymph Nodes
November 29 to December 5

Constantine Raptis, MD
Education Exhibit/Scientific Poster
Imaging of the Patient with Thoracic Outlet Syndrome
November 29 to December 5

Ignacio Beddings, MD; Alvaro Huete Garin, MD; Sanjeev Bhalla, MD; Pablo Bachler, MD; Maria Baladron, MD; Eugenio Zalaquett, MD; Matias Vargas Araya, MD; Christine Menias, MD
Education Exhibit/Scientific Poster
Vascular Emergency!: Mycotic Aneurysms of the Aorta and Its Branches: Multimodality Imaging Findings with Clinical Correlation and Post Treatment Follow-up
November 29 to December 5

Clinton Jokerst, MD; Sterling Hansen, MD; Gregory Kicska, MD, PhD; Demetrios Raptis, MD; Daniel Vargas, MD; Veronica Arteaga, MD; Sanjeev Bhalla, MD
Education Exhibit/Scientific Poster
Regional Theater: Avoiding Pitfalls in Thoracic Radiology by Understanding Regional Mycoses
November 29 to December 5
Matthew Lee, MD; Meghan Lubner, MD; Christine Menias, MD; Sanjeev Bhalla, MD; Douglas Kitchin, MD; Perry Pickhardt, MD
Education Exhibit/Scientific Poster
Take Me to Your Leader: What to Know About Adult Intussusception
November 29 to December 5

Tomas Franquet, MD; Sanjeev Bhalla, MD; Marvin Chasen, MD; Ana Gimenez, MD; Alberto Hidalgo, MD
Education Exhibit/Scientific Poster
The Pomegranate Sign: A Useful CT Finding for Diagnosing Intrathoracic Exudates
November 29 to December 5

Saurabh Agarwal, MD; Marilyn Siegel, MD; Cylen Javidan-Nejad, MD
Education Exhibit/Scientific Poster
Thoracic Manifestations of Inherited Interstitial Lung Diseases: Genotype vs. Phenotype
November 29 to December 5

Maria Baladron, MD; Eugenio Zalaquett, MD; Christine Menias, MD; Ignacio Beddings, MD; Pablo Bachler, MD; Matias Vargas Araya, MD; Sanjeev Bhalla, MD; Alvaro Huete Garin, MD
Education Exhibit/Scientific Poster
Tuberculosis: A Radiologic Review of Extrapulmonary Manifestations
November 29 to December 5

Christopher Sigakis, MD; Carlos Restrepo, MD; Cylen Javidan-Nejad, MD; Jacobo Kirsch, MD; Daniel Ocazionez, MD; Daniel Vargas, MD
Education Exhibit/Scientific Poster
What’s So Complex about Shone’s Complex Anyway?
November 29 to December 5

David Rubin, MD; Jonathan Baker, MD; William Palmer, MD
Refresher Course
Sports Injuries in the Chest and Abdominal Wall: A Core Curriculum of the Body’s Core
November 30

Kristopher Cummings, MD
Refresher Course
Optimizing CTPA: Contrast Dynamics and Administration
November 30

Sanjeev Bhalla, MD
Multisession Course
Imaging of Pulmonary Embolus
December 1

Pamela Kassing, MPA; Geraldine McGinty, MD; Ezequiel Silva, MD; Daniel Picus, MD; James Rawson, MD; Mark Bernardy, MD; Robert Zeman, MD
Refresher Course
From Research to Reimbursement: Lung Cancer Screening and Healthcare Payment Policy (in Conjunction with the American College of Radiology)
December 4

Jill Langer, MD; Kathryn Robinson, MD; Sheila Sheth, MD
Refresher Course
US for Thyroid Cancer: Diagnosis, Surveillance, and Treatment (How-to Workshop)
December 4

Elham Najafpour, MD; Sreevathsan Sridhar, MD; Daniel Vargas, MD; Saman Panahipour, MD; Alan Zajarias, MD; Cylen Javidan-Nejad, MD
Scientific Session
Do Incidental Findings Discovered on Pre-procedural CT for Trans-catheter Aortic Valve Replacement Have an Impact on Decision to Treat Aortic Stenosis?
December 4
COMPUTED TOMOGRAPHY (CT)
Vincent Mellnick, MD; Amy Hara, MD; Christine Peterson, MD; Christine Menias, MD; Dennis Balfe, MD; Douglas Kitchin, MD; Meghan Lubner, MD; Mittul Gulati, MD; Perry Pickhardt, MD; Rex Parker, MD; Whitney Manlove, MD; Michael Chiang, MD; Jerry Loo, MD; Jennifer Kissane, MD; Matthew Lee, MD
Education Exhibit/Scientific Poster
LI-RADS 2014: Technical Requirements for CT and MRI: A Primer for Radiologists
November 29 to December 5

Marilyn Siegel, MD
Refresher Course
ASRT@RSNA 2014: Dual Energy Computed Tomography
December 3

GASTROINTESTINAL
Melissa McGettigan, MD; Christine Menias, MD; Alampady Shanbhogue, MD, MBBS; Amy Hara, MD; Kumaresan Sandrasegaran, MD; Vincent Mellnick, MD
Education Exhibit/Scientific Poster
GI Upset: Drug-induced Injury in the Abdomen
November 29 to December 5

Matias Vargas Araya, MD; Eugenio Zalaquett, MD; Christine Menias, MD; Maria Baladron, MD; Alvaro Huete Garin, MD; Ignacio Beddings, MD; Pablo Bachler, MD; Sanjeev Bhalla, MD
Education Exhibit/Scientific Poster
Chronic Cholecystitis, ‘The Silent Time Bomb’: US, CT and MR Imaging Findings of Associated Neoplastic and Non-Neoplastic Complications
November 29 to December 5

Preethi Guniganti, MD; Courtney Bradenham, MD; Christine Menias, MD; Vincent Mellnick, MD
Education Exhibit/Scientific Poster
Don’t Have the Stomach For It: CT of Gastric Emergencies
November 29 to December 5

Vincent Mellnick, MD; Amy Hara, MD; Christine Peterson, MD; Christine Menias, MD; Dennis Balfe, MD; Douglas Kitchin, MD; Meghan Lubner, MD; Mittul Gulati, MD; Perry Pickhardt, MD; Rex Parker, MD; Whitney Manlove, MD; Michael Chiang, MD; Jerry Loo, MD; Jennifer Kissane, MD; Matthew Lee, MD
Education Exhibit/Scientific Poster
Gastrointestinal Case of the Day
November 29 to December 5

Michyla Bowerson, MD; Christine Menias, MD; Kristen Lee, MD; Kathryn Fowler, MD; Motoyo Yano, MD, PhD; Khaled Elsayes, MD
Education Exhibit/Scientific Poster
Hot Spleen: Hypervascular Lesions of the Spleen
November 29 to December 5

Vincent Mellnick, MD; Christine Menias, MD; Nicola Refky, MS
Education Exhibit/Scientific Poster
Jaundice in the Emergency Department: Fifty Shades of Yellow
November 29 to December 5

Joseph Mansour; Christine Menias, MD; Julie el-Ferzli, MD; Wissam Mansour; Ragheid Kikano, MD; Sanjeev Bhalla, MD
Education Exhibit/Scientific Poster
Jelly Belly: Imaging of Pseudomyxoma Peritonei (PMP)
November 29 to December 5

Pablo Bachler, MD; Maria Baladron, MD; Christine Menias, MD; Ignacio Beddings, MD; Ron Loch, MD; Eugenio Zalaquett, MD; Matias Vargas Araya, MD; Sarah Connolly, MD; Alvaro Huete Garin, MD; Sanjeev Bhalla, MD
Education Exhibit/Scientific Poster
Liver Infections: Multimodality Imaging to Narrow Differential Diagnosis and Avoid Pitfalls in Interpretation
November 29 to December 5
Michael Blake, MBBCh; Vamsi Narra, MD
Scientific Session
Gastrointestinal (Liver Masses)
December 2

Amy Fowler, MD, PhD; Stephanie Markovina, MD, PhD; Angela Hirbe, MD, PhD; Christina Speirs, MD, PhD; Alejandro Munoz Del Rio, PhD; Todd DeWees, PhD; Cynthia Ma, MD; Jeffrey Olsen, MD; Nael Saad, MBBCh
Liver-Directed Therapy for Metastases from Breast Cancer: Outcomes Analysis
December 2

Theodora Potretzke, MD
Scientific Session
Microwave Versus Radiofrequency Ablation for the Treatment of HCC: A Comparison of Efficacy and Safety at a Single Center
December 3

Joseph Owen, MD (Presenter); Nael Saad, MBBCh; Rebecca Mueller, MD; Kathryn Fowler, MD
Scientific Session
Single Center Experience with Hepatic Cryoablation: Safety and Efficacy
December 3

Eduardo Costa, MD; Amol Shah, BS; Masahiro Tanabe, MD; Jay Heiken, MD; Kathryn Fowler, MD; Thomas Hope, MD; Cynthia Santillan, MD; Michael Middleton, MD, PhD; Claude Sirlin, MD
Education Exhibit/Scientific Poster
LI-RADS v2014: Interpretation and Categorization of MRI Findings Using Hepatobiliary Agents
November 29 to December 5

Andrew Roberts, MD; Anup Shetty, MD; Vincent Mellnick, MD; Perry Pickhardt, MD; Sanjeev Bhatta, MD; Christine Menias, MD
Education Exhibit/Scientific Poster
Thinking Outside the Bone: Pictorial Review of Extramedullary Hematopoiesis
November 29 to December 5

David Rubin, MD; Jonathan Baker, MD; William Palmer, MD
Refresher Course
Sports Injuries in the Chest and Abdominal Wall: A Core Curriculum of the Body's Core
November 30

Michyla Bowerson, MD
Poster Discussion
Hot Spleen: Hypervascular Lesions of the Spleen
December 1

Mark Lockhart, MD; Kathryn Fowler, MD
Multisession Course
Gastrointestinal Series: Imaging of the Cirrhotic Patient
December 1

Vamsi Narra, MD
Poster Discussion
Gastrointestinal Poster Discussion Session
December 2

Jay Heiken, MD; Erik Paulson, MD; Zhen Wang, MD; David Disantis, MD
Refresher Course
Interactive Game: Gastrointestinal-Abdominal Masses
December 2

Tyler Fraum, MD
CME Session
PET/MR for the Body Imager: Abdominal and Pelvic Applications
December 3

GENERAL
Amir Momtahen, MD; Christine Menias, MD; Rana Fattahi, MD; Perry Pickhardt, MD; Cary Siegel, MD; Sanjeev Bhatta, MD
Education Exhibit/Scientific Poster
Going Down the Wrong Pathology
November 29 to December 5

Dennis Balfe, MD
Refresher Course
ABR Examinations
December 3
John-Paul Yu, MD, PhD; Akash Kansagra, MD; John Mongan, MD, PhD
Scientific Session
The Radiologist's Workflow Environment: Evaluation of Disruptors and Potential Implications
December 3

INFORMATICS
Lawrence Tarbox, PhD; Fred Prior, PhD
Refresher Course
Rapid Application Development with XIP™ — the eXtensible Imaging Platform
December 2

C. Carl Jaffe, MD; John Freymann, BS; Justin Kirby; Fred Prior, PhD; Lawrence Tarbox, PhD
Refresher Course
Radio-Genomic Research: Accessing Clinical Imaging-Genomics-Pathology Data from Public Archives-The Cancer Imaging Archive
December 3

INTERVENTIONAL/VASCULAR
Alexandros Pappas, MD; Dana Haddad, MD, PhD; Harvinder Jagait, MD; Alexander Vinzons, MD; Dimitris Giannaris, MD; George Trister, MD; Joseph Arampulikan, MD
Education Exhibit/Scientific Poster
Peri-Procedural Pain Control Following the Universal Application of Conscious Sedation and Neuraxial Analgesia in Patients Undergoing Uterine Fibroid Embolization
November 29 to December 5

Bryan Belikoff, MD, PhD; Seung Kim, MD; Carlos Guevara, MD; Kristen Lee, MD; Guillermo Gonzalez-Araiza, MD
Education Exhibit/Scientific Poster
Pictorial Review of the Re-intervention Techniques after TIPS Placement (Transjugular Inrathropic Portosystemic Shunt) According to Clinical Manifestations
November 29 to December 5

David Rubin, MD; Jonathan Baker, MD; William Palmer, MD
Refresher Course
Sports Injuries in the Chest and Abdominal Wall: A Core Curriculum of the Body's Core
November 30

Hilary Brazeal, MD; Jay Desai, MD; Carlos Guevara, MD; Seung Kim, MD
Education Exhibit/Scientific Poster
Prophylactic Temporary IVC Filter Retrieval following Major Spinal Reconstruction Surgery: Comparison between Scoliosis and Non-scoliosis Patients
November 29 to December 5

GENITOURINARY
Steven Kammann, MD; Christine Menias, MD; Amy Hara, MD; Mariam Moshiri, MD; Akram Shaaban, MBBCh; Kumaresan Sandrasegaran, MD; Venkateswar Surabhi, MD; Cary Siegel, MD; Steven Brandes, MD
Education Exhibit/Scientific Poster
Genital Complications of Crohn Disease: Imaging Features and Implications of Management
November 29 to December 5

Nirvikar Dahiya, MD; Christine Menias, MD; Mariam Moshiri, MD, Maitray Patel, MD; Akram Shaaban, MBBCh; Cary Siegel, MD
Education Exhibit/Scientific Poster
Imaging Features of Tamoxifen Therapy on the Endometrium and Uterus
November 29 to December 5

Hilary Purdy, MD; Vincent Mellnick, MD; Nirvikar Dahiya, MD; Douglas Katz, MD; Stephanie Chang, MD; Christine Menias, MD
Education Exhibit/Scientific Poster
The Imaging Findings of Typical and Atypical Gynecologic and Genital Infections
November 29 to December 5

David Rubin, MD; Jonathan Baker, MD; William Palmer, MD
Refresher Course
Sports Injuries in the Chest and Abdominal Wall: A Core Curriculum of the Body's Core
November 30

Hilary Brazeal, MD; Jay Desai, MD; Carlos Guevara, MD; Seung Kim, MD
Education Exhibit/Scientific Poster
Prophylactic Temporary IVC Filter Retrieval following Major Spinal Reconstruction Surgery: Comparison between Scoliosis and Non-scoliosis Patients
November 29 to December 5

John-Paul Yu, MD, PhD; Akash Kansagra, MD; John Mongan, MD, PhD
Scientific Session
The Radiologist's Workflow Environment: Evaluation of Disruptors and Potential Implications
December 3

INFORMATICS
Lawrence Tarbox, PhD; Fred Prior, PhD
Refresher Course
Rapid Application Development with XIP™ — the eXtensible Imaging Platform
December 2

C. Carl Jaffe, MD; John Freymann, BS; Justin Kirby; Fred Prior, PhD; Lawrence Tarbox, PhD
Refresher Course
Radio-Genomic Research: Accessing Clinical Imaging-Genomics-Pathology Data from Public Archives-The Cancer Imaging Archive
December 3

INTERVENTIONAL/VASCULAR
Alexandros Pappas, MD; Dana Haddad, MD, PhD; Harvinder Jagait, MD; Alexander Vinzons, MD; Dimitris Giannaris, MD; George Trister, MD; Joseph Arampulikan, MD
Education Exhibit/Scientific Poster
Peri-Procedural Pain Control Following the Universal Application of Conscious Sedation and Neuraxial Analgesia in Patients Undergoing Uterine Fibroid Embolization
November 29 to December 5

Bryan Belikoff, MD, PhD; Seung Kim, MD; Carlos Guevara, MD; Kristen Lee, MD; Guillermo Gonzalez-Araiza, MD
Education Exhibit/Scientific Poster
Pictorial Review of the Re-intervention Techniques after TIPS Placement (Transjugular Inrathropic Portosystemic Shunt) According to Clinical Manifestations
November 29 to December 5

David Rubin, MD; Jonathan Baker, MD; William Palmer, MD
Refresher Course
Sports Injuries in the Chest and Abdominal Wall: A Core Curriculum of the Body's Core
November 30

Hilary Brazeal, MD; Jay Desai, MD; Carlos Guevara, MD; Seung Kim, MD
Education Exhibit/Scientific Poster
Prophylactic Temporary IVC Filter Retrieval following Major Spinal Reconstruction Surgery: Comparison between Scoliosis and Non-scoliosis Patients
November 29 to December 5

Cary Siegel, MD; Parvati Ramchandani, MD
Scientific Session
ISP: Genitourinary (Intervention in the GU Tract)
December 4
Rakesh Varma, MBBS, MD; Naganathan Mani, MD; Joshua Pinter, MD; Christopher Friend, MD
Education Exhibit/Scientific Poster
Vascular Complications Related to Arteriotomy Access and Closure: A Pictorial Review
November 29 to December 5

Joseph Owen, MD; Kathryn Fowler, MD; Nael Saad, MBBC
Education Exhibit/Scientific Poster
The Role of Hypersplenism in Complicated Portal Hypertension
November 29 to December 5

Nael Saad, MBBC; Hyun Kim, MD
Scientific Session
Vascular/Interventional (IR: Hepatic Tumor Embolization)
December 1

James Duncan, MD, PhD; Robert Dixon, MD
Scientific Session
ISP: Vascular/Interventional (IR: Topics of Interest/GU)
December 1

Michael Darcy, MD
Refresher Course
Embolization Disasters—The 5 Worst Cases I've Ever Seen
December 1

James Duncan, MD, PhD
Special Interest
Fluoroscopy Campaign Launch, Team Performance
December 1

James Duncan, MD, PhD
Special Interest
Technical Principles for Interventional Procedures
December 1

Hilary Brazeal, MD
Poster Discussion
Prophylactic Temporary IVC Filter Retrieval following Major Spinal Reconstruction Surgery: Comparison between Scoliosis and Non-scoliosis Patients
December 2

Naganathan Mani, MD; S. William Stavropoulos, MD
Scientific Session
Vascular/Interventional (IR: Venous Disease and Intervention)
December 2

Colin Derdeyn, MD; Kristine Blackham, MD
Scientific Session
Neuroradiology (Neurointerventional Radiology)
December 2

John Karageorgiou, MD; Kathryn Fowler, MD; Suresh Vedantham, MD; Nael Saad, MBBC
Scientific Session
Pharmacomechanical Catheter-directed Thrombolysis in Patients with IVC Filters
December 2

Theodora Potretzke, MD
Scientific Session
Microwave Versus Radiofrequency Ablation for the Treatment of HCC: A Comparison of Efficacy and Safety at a Single Center
December 3

Nael Saad, MBBC; Rebecca Mueller, MD; Kathryn Fowler, MD
Scientific Session
Single Center Experience with Hepatic Cryoablation: Safety and Efficacy
December 3
MAGNETIC RESONANCE IMAGING (MRI)
Avinash Kambadakone, MD, FRCR; Dushyant Sahani, MD; An Tang, MD; Amol Shah, BS; Thomas Hope, MD; Kathryn Fowler, MD; Rajan T. Gupta, MD; Karthik Ganesan, MBBS, MD; Hero K. Hussain, MD; Claude B. Sirlin, MD
Education Exhibit/Scientific Poster
LI-RADS 2014: Technical Requirements for CT and MRI: A Primer for Radiologists
November 29 to December 5

Eduardo Costa, MD; Amol Shah, BS; Masahiro Tanabe, MD; Jay Heiken, MD; Kathryn Fowler, MD; Thomas Hope, MD; Cynthia Santillan, MD; Michael Middleton, MD, PhD; Claude Sirlin, MD
Education Exhibit/Scientific Poster
LI-RADS v2014: Interpretation and Categorization of MRI Findings Using Hepatobiliary Agents
November 29 to December 5

MOLECULAR
Ahlem Bouhlel, MD; Dong Zhou, PhD; Aixiao Li, PhD; Liya Yuan, MD; Keith Rich, MD; Jonathan McConathy, MD, PhD
Education Exhibit/Scientific Poster
Radiosynthesis and Biological Evaluation of a Novel 18F-labeled α, α-disubstituted Amino Acid for Brain Tumor Imaging
November 29 to December 5

Ahlem Bouhlel, MD
Poster Discussion
Radiosynthesis and Biological Evaluation of a Novel 18F-labeled α, α-disubstituted Amino Acid for Brain Tumor Imaging
December 3

Jennifer Burkemper, PhD; Chaofeng Huang, PhD; Amanda Klaas; Deborah Sultan; Aixiao Li, PhD; Liya Yuan, MD; Efrem Mebrahtu; Keith Rich, MD; Jonathan McConathy, MD, PhD; Suzanne Lapi, PhD
Scientific Session
Radiolabeling and Biological Evaluation of a Novel 76Br-labeled Amino Acid, BrVAIB, for PET Imaging of Brain Tumors
December 3

Steven Rowe, MD, PhD; Katarzyna Macura, MD, PhD; Anthony Ciarallo, MD; Esther Mena; Amanda Blackford, MSc; Daniel Holt, PhD; Ronnie Mease, PhD; Robert Dannals, PhD; Martin Pomper, MD, PhD; Steve Cho, MD
Scientific Session
Comparison of [18F]DCFBC PET/CT to Conventional Imaging Modalities in the Detection of Metastatic Prostate Cancer
December 4

MUSCULOSKELETAL
Kristen Lee, MD; Afshin Gangi, MD, PhD; Michael Friedman, MD; Travis Hillen, MD; Jack Jennings, MD
Education Exhibit/Scientific Poster
Current Techniques in Percutaneous Image-guided Treatment of Benign and Malignant Lesions of the Spine
November 29 to December 5

Robert Talbert, MD; Chris Smith, MD; Michael Friedman, MD; Travis Hillen, MD; Jonathan Baker, MD
Education Exhibit/Scientific Poster
The Not-So-Obvious: CT-guided Biopsy of CT-occult Musculoskeletal Lesions
November 29 to December 5

Chris Smith, MD; Robert Talbert, MD; Sanjeev Bhalla, MD; Michael Friedman, MD; Travis Hillen, MD; Jonathan Baker, MD
Education Exhibit/Scientific Poster
What’s In a Name? Review of Specialized Radiographic Views and Stress Radiography for Musculoskeletal Trauma
November 29 to December 5

David Rubin, MD; Jonathan Baker, MD; William Palmer, MD
Refresher Course
Sports Injuries in the Chest and Abdominal Wall: A Core Curriculum of the Body’s Core
November 30
Chris Smith, MD  
CME Session  
*What’s In a Name? Review of Specialized Radiographic Views and Stress Radiography for Musculoskeletal Trauma*  
December 1

David Rubin, MD  
Scientific Session  
*Musculoskeletal Keynote Speaker: Muscle to Tendon-Structure and Mechanism Dictate Patterns of Injury*  
December 2

Jack Jennings, MD  
Multisession Course  
*Radiofrequency Ablation of Spinal Disease*  
December 4

Kristen Lee, MD  
Poster Discussions  
*Current Techniques in Percutaneous Image-guided Treatment of Benign and Malignant Lesions of the Spine*  
December 4

**NEURORADIOLOGY/HEAD AND NECK**  
Daniel Barboriak, MD; Zheng Zhang, PhD; Pratik Desai, MD; Yair Safriel, MBBCh; Robert McKinstry, MD, PhD; Felix Bokstein, MD; A. Gregory Sorensen, MD; Mark Gilbert; Jerrold Boxerman, MD, PhD  
Education Exhibit/Scientific Poster  
*Inter-reader Variability in Dynamic Contrast-enhanced MR Imaging (DCE-MRI) of Patients with Recurrent Glioblastoma: Results from the Multi-center ACRIN 6677/RTOG 0625 Study*  
November 29 to December 5

Amar Patel, MD; Thomas Madaelil, MD; James Berger, MD; Matthew Parsons, MD  
Education Exhibit/Scientific Poster  
*Like a Hole in the Head: An Anatomical Approach to Calvarial Lesions*  
November 29 to December 5

Garima Agrawal, MD; Adam Sipe, MD; Aseem Sharma, MBBS  
Education Exhibit/Scientific Poster  
*MR Imaging of Non-compressive Myelopathy*  
November 29 to December 5

Adam Sipe, MD; Sarah Connolly, MD; Tammie Benzinger, MD, PhD; Jonathan McConathy, MD, PhD; Michelle Miller-Thomas, MD  
Education Exhibit/Scientific Poster  
*Multimodality Review of Amyloid-Related Diseases of the Central Nervous System*  
November 29 to December 5

Arindam Chatterjee, MD; Seth-Emil Bartel, MD; Manu Goyal, MD, MSc; Matthew Parsons, MD; Aseem Sharma, MBBS  
Education Exhibit/Scientific Poster  
*Potential Redundancy in MR Imaging of Brain: Quantification by Studying the Location of Core Diagnostic Information Across Various Sequences*  
November 29 to December 5

Hilary Purdy, MD; Aseem Sharma, MBBS  
Education Exhibit/Scientific Poster  
*Normal Physiology of Cerebrospinal Fluid and Diseases That Disrupt It: A Case-based Review*  
November 29 to December 5

Adam Sipe, MD  
Poster Discussion  
*Multimodality Review of Amyloid-Related Diseases of the Central Nervous System*  
November 30

William Dillon, MD; Franz Wippold, MD  
Special Interest  
*MRI of the IAC: Do We Need Gadolinium?*  
December 2

Christopher Whitlow, MD, PhD; Joshua Shimony, MD, PhD  
Scientific Session  
*Neuroradiology (Resting State Functional Brain Imaging)*  
December 3
Arindam Chatterjee, MD
Poster Discussions
*Potential Redundancy in MR Imaging of Brain: Quantification by Studying the Location of Core Diagnostic Information Across Various Sequences*
December 4

Noushin Yahyavi-Firouz-Abadi, MD; Jerrel Rutlin; James Hoekel; Robert McKinstry, MD, PhD; Joshua Shimony, MD, PhD; David Gutmann, MD, PhD
Scientific Session
*Resting State fMRI as a Predictor of Vision Loss in Patients with Neurofibromatosis Type 1 (NF1)-associated Optic Pathway Gliomas*
December 5

**NUCLEAR MEDICINE**
Osama Raslan, MD; Medhat Osman, MD; Vilaas Shetty, MD; Talha Allam, MD
Education Exhibit/Scientific Poster
*(18) F-FDG-PET/CT of Cranial Nerve Pathology*
November 29 to December 5

Jeffrey Leal, BA; Richard Wahl, MD
Education Exhibit/Scientific Poster
*Auto-PERCIST: Semi-Automated PERCIST-based Analysis of PET Images*
November 29 to December 5

Tyler Fraum, MD; Kathryn Fowler, MD; Jonathan McConathy, MD, PhD; Ephraim Parent, MD, PhD; Michael Grimaldi, MD; Farrokh Dehdashti, MD; Perry Grigsby, MD; Barry A. Siegel, MD
Education Exhibit/Scientific Poster
*PET/MR for the Body Imager: Abdominal and Pelvic Applications*
November 29 to December 5

Charles Marcus, MBBS; Antoniou Alexander, MD; John Crandall; Richard Wahl, MD; Rathan Subramaniam, MD, PhD
Education Exhibit/Scientific Poster
*The Role of Radium-223 in the Management of Osseous Metastasis in Castration-resistant Prostate Cancer (CRPC)*
November 29 to December 5

Richard Wahl, MD
Scientific Session
*Nuclear Medicine Keynote Speaker: Recent Development in Oncologic PET Imaging*
November 30

Jonathan McConathy MD, PhD
Multisession Course
*Use of Novel PET Agents to Probe Tumor Biology: From Benchtop to the Clinic*
December 1

Richard Wahl, MD
Special Interest
*FDG-PET for Cancer Staging and Monitoring*
December 1

Jeffrey Lau, MD, PhD; Richard Laforest, PhD; Jie Zheng, PhD; Xingyu Nie, BS; Agus Piatna, PhD; Pamela Woodard, MD; David Faul, PhD; Robert Gropler, MD
Multisession Course
*18F-FDG PET/MR Carotid Plaque Imaging: Early Experience*
December 2

Jonathan McConathy, MD, PhD
Poster Discussions
*Nuclear Medicine Thursday Poster Discussions*
December 4

Jonathan McConathy, MD, PhD; Akash Sharma, MD
Scientific Session
*ISP: Nuclear Medicine (Cardiovascular Imaging)*
December 4

Robert Gropler, MD
Scientific Session
*Nuclear Medicine Keynote Speaker: New PET Cardiovascular Biomarkers-Beyond Perfusion and Viability*
December 4
**PEDIATRIC RADIOLOGY**
Shannon Farmakis, MD; Vilaas Shetty, MD; Marilyn Siegel, MD
Education Exhibit/Scientific Poster
*Back to the Basics: A Review of Congenital Spine Anomalies on Ultrasound with MRI Correlation*
November 29 to December 5

Kiran Sargar, MD; Elizabeth Sheybani, MD; Geetika Khanna, MD
Education Exhibit/Scientific Poster
*Fibroblastic and Myofibroblastic Tumors of Childhood and Adolescence*
November 29 to December 5

Rishi Mhapsekar, MD; Marilyn Siegel, MD; Juan Carlos Ramirez Giraldo, PhD
Education Exhibit/Scientific Poster
*Automated Strategies for Reducing Radiation Dose in Pediatric CT Angiography*
November 29 to December 5

Juan Carlos Ramirez Giraldo, PhD; Marilyn Siegel, MD; Bernhard Schmidt, PhD
Education Exhibit/Scientific Poster
*Impact of Spectra Separation for Monoenergetic Extrapolation Using Dual-energy Dual-source CT in Pediatric-sized Phantoms*
November 29 to December 5

Kiran Sargar, MBBS, MD; Thomas Herman, MD; Marilyn Siegel, MD
Education Exhibit/Scientific Poster
*Skeletal Manifestations of Fibroblast Growth Factor Receptor (FGFR) Gene Mutations—Can We Predict Genetic Diagnosis on the Basis of Imaging?*  
November 29 to December 5

Ryan Schmidt, MD
Quality Storyboard
*Improving CPT Coding Accuracy for Common Musculoskeletal Interventions*
November 30

**Marilyn Siegel, MD**
Poster Discussion
*Impact of Spectra Separation for Monoenergetic Extrapolation Using Dual-energy Dual-source CT in Pediatric-sized Phantoms*
December 1

**Rishi Mhapsekar, MD**
Poster Discussion
*Automated Strategies for Reducing Radiation Dose in Pediatric CT Angiography*
December 3

**Geetika Khanna, MD**
Scientific Session
*Pediatrics (Oncology and Nuclear Medicine)*
December 3

**POSITRON EMISSION TOMOGRAPHY (PET)**
Jeffrey Leal, BA; Richard Wahl, MD
Education Exhibit/Scientific Poster
*Auto-PERCIST: Semi-Automated PERCIST-based Analysis of PET Images*
November 29 to December 5

Richard Wahl, MD
Scientific Session
*Nuclear Medicine Keynote Speaker: Recent Development in Oncologic PET Imaging*
November 30

Jonathan McConathy, MD, PhD
Multisession Course
*Use of Novel PET Agents to Probe Tumor Biology: From Benchtop to the Clinic*
December 1

Jeffrey Lau, MD, PhD; Richard Laforest, PhD; Jie Zheng, PhD; Xingyu Nie, BS; Agus Priatna, PhD; Pamela Woodard, MD; David Faul, PhD; Robert Gropler, MD
Multisession Course
*18F-FDG PET/MR Carotid Plaque Imaging: Early Experience*
December 2
Pamela Woodard, MD
Refresher Course
*Cardiac PET/MRI: Clinical Applications*
December 4

Robert Gropler, MD
Scientific Session
*Nuclear Medicine Keynote Speaker: New PET Cardiovascular Biomarkers-Beyond Perfusion and Viability*
December 4

**SPECIAL INTERESTS/HOT TOPICS**
James Duncan, MD, PhD
Special Course
*Fluoroscopy Campaign Launch, Team Performance*
December 1

James Duncan, MD, PhD
Special Course
*Technical Principles for Interventional Procedures*
December 1

Richard Wahl, MD
Special Course
*FDG-PET for Cancer Staging and Monitoring*
December 1

William Dillon, MD; Franz Wippold, MD
Special Course
*MRI of the IAC: Do We Need Gadolinium?*
December 2

Christopher Comstock, MD; Barbara Monsees, MD; Stephen Feig, MD
Special Course
*Controversy Session: Breast Density Notification Legislation: Pros and Cons*
December 3

**ULTRASOUND**
Nirvikar Dahiya, MD; Kathryn Robinson, MD; Manjiri Dighe, MD; Jason Wagner, MD; Michael Beland, MD
Education Exhibit/Scientific Poster
*Ultrasound Case of the Day*
November 29 to December 5

Jill Langer, MD; Kathryn Robinson, MD; Sheila Sheth, MD
Refresher Course
*US for Thyroid Cancer: Diagnosis, Surveillance, and Treatment (How-to Workshop)*
December 4