



AUR 63rd Annual Meeting Program

Black entry indicates educational programming; **maroon** entry indicates society-specific event. See last page for description and key to content codes.

S designates a session being offered as a self-assessment module (SAM).

RLD indicates programming of special interest to ARRALD participants.

ARLM indicates qualifying session for the Academy of Radiology Leadership and Management.

RLI indicates qualifying session for the ACR Radiology Leadership Institute®.

Tuesday, April 14, 2015

Tuesday 6:30-8:00 AM

Continental Breakfast (all attendees)
Room: Acadia Ballroom

Tuesday 6:30 AM-6:00 PM

Meeting Registration
Room: Registration Desk in Grand Ballroom Foyer

Speaker Ready Room
Room: Mardi Gras Ballroom B-C

Tuesday 7:00-8:30 AM

Session No. 101 • Room: La Galerie 3
How to Be a Moderator

AMA PRA Category 1 Credits™: 1.50

ED

Sravanthi Reddy, MD, Moderator
Keith D. Herr, MD
Kevin S. King, MD
Laura L. Avery, MD

LEARNING OBJECTIVES

1) Describe the role of a moderator. 2) Identify the timeline of a "moderator checklist" before, during, and after the session to be moderated. 3) Compare and contrast the components of passive versus active moderating.

Tuesday 7:00-8:30 AM

Session No. 102 • Room: Bissonet
Hot Topics in Radiology

AMA PRA Category 1 Credits™: 1.50

ED **LM** **ARLM** **RLI**

Kristen K. DeStigter, MD* Moderator

A. The 2014-2015 Annual APDR Survey, Playbook, and Face-off: Strategies for the Future

Mark R. Robbin, MD

LEARNING OBJECTIVES

1) Identify important issues in residency management and resident education. 2) Debate and discuss key issues, such as the new Core Exam, qualifying exam, Next Accreditation System, milestones, noninterpretive skills, and resident recruitment. 3) Recommend solutions to improve program management and best practices for resident education.

B. Radiology NRMP Match: It Takes a Village

Anna Rozenshtein, MD

C. Radiology Workforce Update

Edward I. Bluth, MD

LEARNING OBJECTIVES

1) Describe the makeup of the present radiology workforce. 2) Discuss the changing nature of the specialties practiced by the present workforce. 3) Describe the age spectrum of practicing radiologists. 4) Discuss the job opening opportunities that will be available in 2015.

D. Q&A

Tuesday 7:00-8:30 AM

Session No. 103
ARRALD Program 1 (closed program)

AMA PRA Category 1 Credits™: 1.50

ED **LM** **RLD** **ARLM** **RLI**

Ruth C. Carlos, MD, MS, Course Director
James V. Rawson, MD, Co-Director

LEARNING OBJECTIVES

1) Explain the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Develop approaches for practice improvement.

A. Introduction to Leadership



Tuesday 8:00-9:00 AM

Chief Resident Welcome and Orientation •

Room: La Galeries 1-2

Rustain L. Morgan, MD, MS, Moderator
Summit Shah, MD, Moderator
Ziga Cizman, MD
Gautham P. Reddy, MD
Susan D. John, MD

Tuesday 8:00-10:00 AM

Session No. 104 • Room: Mardi Gras Ballroom E Scientific and Health Policy Research: Scholar Presentations and Mentoring: Part 1 (supported by the American College of Radiology)

AMA PRA Category 1 Credits™: 2.00



Rathan M. Subramaniam, MD, PhD, MPH*, Moderator

LEARNING OBJECTIVES

1) Describe scientific and health policy research projects and their implications for radiology practices. 2) Identify opportunities and challenges facing contemporary academic radiology practice and radiology leadership. 3) Discuss the scientific research and health policy events that lead to successful reimbursement for low-dose CT screening for lung cancer.

A. Leadership in Radiology (8:00-8:30 AM)

James A. Brink, MD

B. Scholar 1 Presentation (8:30-8:40 AM)

Robert R. Flavell, MD, PhD

C. Scholar 2 Presentation (8:40-8:50 AM)

Alexander Goehler, MD, PhD, MSc

D. Scholar 3 Presentation (8:50-9:00 AM)

Luke J. Higgins, MD

E. Radiology Research Agenda for the Next Decade (9:00-9:30 AM)

Carolyn C. Meltzer, MD*

F. Scholar 4 Presentation (9:30-9:40 AM)

Emily Tsai, BS, MD

G. Scholar 5 Presentation (9:40-9:50 AM)

Emilia S. Olson, MD

H. Scholar 6 Presentation (9:50-10:00 AM)

Jessica M. Andreoli, BA, MD

Tuesday 8:30-10:00 AM

Session No. 105 • Room: Mardi Gras Ballroom D Online Professionalism and Ethics Tutorials: The Basics for Radiologists

AMA PRA Category 1 Credits™: 1.50



LEARNING OBJECTIVES

1) Identify elements of unprofessional behavior as defined by law. 2) Recognize the coexistence of ethical behavior and legal obligation. 3) Introduce international medical graduates (IMGs) to fundamentals of the U.S. health care system. 4) Integrate medical-legal tutorials into curricula to meet GME requirements.

A. Medical-Legal Issues

Annemarie Relyea-Chew, JD, MS

B. U.S. Health Care System for International Medical Graduates

Annemarie Relyea-Chew, JD, MS

Tuesday 8:30-10:00 AM

Session No. 107 • Room: Bissonet Romancing the Milestones

AMA PRA Category 1 Credits™: 1.50



Robert D'Agostino, MD, Moderator

A. Return on Investment: Creating a Health Care Economics Curriculum for Residency

Harprit S. Bedi, MD

LEARNING OBJECTIVES

1) Understand the importance of teaching health care economics to residents. 2) Report progress in creating a health care economics curriculum for all residency programs.

B. Essentials of Radiology Quality and Safety: What Your Residents Need to Know

Hani H. Abujudeh, MD

LEARNING OBJECTIVES

1) Discuss information to improve education about quality and safety in radiology programs. 2) Identify possible changes in teaching radiology quality and safety curricula. 3) Develop specific skills in clinical practice to identify and classify errors in radiology. 4) Identify solutions to manage risks in radiology. 5) Explain how to use the "just culture" model to manage the response to errors in practice.

C. Quality and Safety in Radiology: Advanced Concepts and Practical Examples

Michael A. Bruno, MD

LEARNING OBJECTIVES

1) Discuss how to use the information to improve the education of quality and safety in radiology programs. 2) Identify possible changes in teaching radiology quality and safety curricula. 3) Develop specific skills in clinical practice to identify and classify errors in radiology. 4) Identify solutions to manage risks in radiology. 5) Discuss how to use the "just culture" model to manage the response to errors in practice.

Tuesday 10:00-10:30 AM

Break

Room: Acadia Ballroom

Tuesday 10:30-11:00 AM

Session No. 108 • Room: La Galeries 1-2 Resident Case Review: Cardiac Radiology

AMA PRA Category 1 Credit™: .50



Christopher D. Thomas, DO, Moderator
Gautham P. Reddy, MD

LEARNING OBJECTIVES

1) Detect and describe the imaging features in a set of unknown fundamental cardiac imaging cases. 2) Differentiate among imaging appearances of fundamental cardiac abnormalities. 3) Develop a relevant differential diagnosis and the ability to recognize unique imaging manifestations of important cardiac abnormalities.

**Tuesday 10:30 AM-12:00 PM****Session No. 109 • Room: Bissonet
Best Practices in Radiology Education**

AMA PRA Category 1 Credits™: 1.50



Vivek Kalia, MD, MPH, MS, Moderator

A. Tutorials under 10 Minutes

Janet R. Reid, MD

LEARNING OBJECTIVES

- 1) Describe all essential components of a high-quality US examination.
- 2) Discuss the current learning gap for mastering hands-on skills in ultrasound (US) training for fellows and residents.
- 3) Discuss the advantages of video microlearning for skills training in radiology education.

B. Technology for Maximizing Organization and Productivity in Radiology Education

Puneet Bhargava, MD*

LEARNING OBJECTIVES

- 1) Explain the "getting things done" (GTD) approach to getting organized and productive.
- 2) Develop skills to apply the GTD approach to managing e-mail.
- 3) Explain how to use Evernote (Redwood City, CA) for administrative and educational purposes.

C. Preparing to Fly: Ideas for Getting the Most out of the New 4th Year

Andrew Ross, MD

LEARNING OBJECTIVES

- 1) Develop a strategy for rising 4th-year radiology residents to plan a successful 4th year of residency.
- 2) Identify a variety of elective activities available to 4th-year residents within different skill domains.
- 3) Evaluate the success of 4th-year residents, and apply feedback and new ideas to subsequent years.

D. Eight Things Program Directors Can Do to Improve the Value of Their Programs

Cory Pfeifer, MD

LEARNING OBJECTIVES

- 1) Apply quality improvement principles to the duties of a typical radiology program director.
- 2) Explain regional disparities in program match success, and develop strategies to improve match outcomes.
- 3) Identify and assist residents at risk for not passing the ABR Core Examination.
- 4) Develop improved methods to foster learning in the era of curriculum reform.

E. Strategies for Fellowship

Andrew K. Moriarity, MD

LEARNING OBJECTIVES

- 1) Assess and discuss the training characteristics reported as important by recent fellowship graduates.
- 2) Describe specific attributes that were correlated with successful early career experiences.
- 3) Identify ways to enhance leadership and professional development during fellowship.
- 4) Develop strategies to successfully transition from trainee to practicing radiologist.

Tuesday 10:30 AM-12:00 PM**Session No. 110 • Room: Mardi Gras Ballroom D
Promotion and Career Development as a Radiology Educator in Academia**

AMA PRA Category 1 Credits™: 1.50



Ramesh S. Iyer, MD, Moderator

LEARNING OBJECTIVES

- 1) Describe ways to construct teaching and service portfolios.
- 2) Compare and contrast the various promotion tracks in academic radiology departments.
- 3) Develop a personal educational philosophy.
- 4) Describe ways to optimize your organizational skills and productivity.
- 5) Document your work so as to maximize credit and recognition in your department.

A. Curriculum Vitae, Teaching Portfolio, and Service Portfolio

Claudia F. Kirsch, MD*

B. Tracks

Jessica B. Robbins, MD

C. Educational Philosophy

Robert A. Novelline, MD

D. Innovation, Organization, and Productivity

Leonie Gordon, MBChB

E. Getting Credit and Recognition for Your Work

Joshua P. Nickerson, MD

Tuesday 10:30 AM-12:00 PM**Session No. 111 • Room: Mardi Gras Ballroom E
Scientific and Health Policy Research: Scholar Presentations and Mentoring: Part 2 (supported by the American College of Radiology)**

AMA PRA Category 1 Credits™: 1.50

Rathan M. Subramaniam, MD, PhD, MPH*, Moderator
Sriini Tridandapani, MD, PhD, Moderator**LEARNING OBJECTIVES**

- 1) Discuss scientific and health policy research projects and their implications for radiology practices.
- 2) Identify opportunities and challenges facing contemporary academic radiology practice and radiology leadership.
- 3) Discuss the scientific research and health policy events that lead to successful reimbursement for low-dose CT screening for lung cancer.

A. Patient-oriented Research and Practice: Academic Centers to Community Practices (10:30-11:00 AM)

Bibb Allen, Jr, MD

B. Scholar 7 Presentation (11:00-11:10 AM)

Wenshuai Wan, MD

C. Scholar 8 Presentation (11:10-11:20 AM)

Quang Nguyen, MD

D. Scholar 9 Presentation (11:20-11:30 AM)

Michael A. McDonald, MD, PhD

E. Scholar 10 Presentation (11:30-11:40 AM)

Anthony S. Tadros, MD

F. Panel Discussion (11:40 AM-12:00 PM)



Tuesday 11:00 AM-12:00 PM

Session No. 112 • Room: La Galeries 1–2 ACR Update for Residents

AMA PRA Category 1 Credit™: 1.00

ED

Sumir S. Patel, MD, Moderator
Kathryn E. Pflug, MD, Moderator
Kimberly E. Applegate, MD, MS*

LEARNING OBJECTIVES

1) Describe the educational opportunities in the American College of Radiology (ACR), which include the American Institute for Radiologic Pathology (AIRP), resident journal club, and the Radiology Leadership Institute. 2) Discuss the current practice management, economics, and quality and safety roles of the ACR for the radiology community. 3) Describe the opportunities for engagement and professional growth in the ACR for radiology trainees and young physicians. 4) Describe the mission and objectives of the ACR. 5) Differentiate the committees, programs, and services within the ACR with a focus on resident and fellow involvement. 6) Identify ways in which the ACR can benefit members as they transition from training to practice.

Tuesday 12:00-12:30 PM

AUR New Member Orientation • Room: La Galerie 3

Tuesday 12:00-1:00 PM

Session No. 113 • Room: Mardi Gras Ballroom F–G Scientific and Health Policy Lunch and Keynote: Lung Cancer Screening: A Story of Science and Health Policy (supported by the American College of Radiology)

AMA PRA Category 1 Credit™: 1.00

CH ED HP

Ella A. Kazerooni, MD, MS

LEARNING OBJECTIVES

1) Discuss the role of advocacy in bringing science to clinical practice. 2) Identify the key elements of a lung cancer screening program. 3) Apply Lung-RADS™ structured reporting to lung cancer screening CT examinations.

Tuesday 12:00 PM-1:00 PM

ARRALD Program Mentorship Lunch (closed program)

RLD

Tuesday 12:00 PM-1:15 PM

A³CR² Networking Lunch • Room: La Galeries 4–6 (A³CR² members only)

Tuesday 1:00-3:00 PM

Session No. 114 • Room: Mardi Gras Ballroom E Scientific and Health Policy Research: Part 3 (supported by the American College of Radiology)

AMA PRA Category 1 Credits™: 2.00

ED HP

Pina C. Sanelli, MD, MPH, Moderator
James V. Rawson, MD, Moderator

LEARNING OBJECTIVES

1) Discuss roles of evidence and policy in determining value to stakeholders in health care. 2) Describe examples of how evidence and scientific studies interface with health care policy and decision making. 3) Describe examples of how evidence and scientific studies interface with health care utilization.

A. Value from Multiple Stakeholders' Perspectives (1:00-1:30 PM)

Richard Duszak, Jr, MD

B. Vertebroplasty: Where Research and Practice Meet (1:30-2:00 PM)

Jeffrey G. Jarvik, MD, MPH*

C. Imaging Utilization Trends (2:00-2:30 PM)

Vijay M. Rao, MD

D. Panel Discussion (2:30-3:00 PM)

Tuesday 1:00-3:30 PM

Session No. 115 ARRALD Program 2 (closed program)

AMA PRA Category 1 Credits™: 2.50

ED LLM RLD ARLM RLI

LEARNING OBJECTIVES

1) Explain the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Develop approaches for practice improvement.

A. Quality Improvement and the Academic Medical Center (1:00-1:30 PM)

Matthew S. Davenport, MD*

B. Leadership (1:30-2:15 PM)

Alexander M. Norbash, MD*

C. Critical Communication Skills and Conflict Resolution (2:15-3:30 PM)

Jonathan S. Lewin, MD

Tuesday 2:00-2:30 PM

Session No. 116 • Room: La Galeries 1–2 Resident Case Review: Thoracic Radiology

AMA PRA Category 1 Credit™: .50

CH ED

Christopher D. Thomas, DO, Moderator
Darel E. Heitkamp, MD

LEARNING OBJECTIVES

1) Identify a variety of chest diseases on cross-sectional imaging. 2) Describe content related to anatomy, natural history of disease, and patient management. 3) Evaluate cases in multiple-choice format.

**Tuesday 2:00-3:30 PM****Session No. 118 • Room: Bissonet
Innovative Teaching Methods**

AMA PRA Category 1 Credits™: 1.50



Bethany L. Niell, MD, PhD, Moderator

LEARNING OBJECTIVES

1) Compare team-based and interpersonal learning strategies. 2) Explain the benefits of implementing a peer observation educational initiative. 3) Describe various options for medical simulation programs in radiology. 4) Identify methods to utilize games to educate adult learners. 5) Describe how to apply new technologies to enhance existing and new educational initiatives in his/her own practice.

A. Team-based Learning

Pedro J. Diaz-Marchan, MD

LEARNING OBJECTIVES

1) List the key components of team-based learning (TBL). 2) Discuss the challenges of applying TBL techniques to resident education. 3) Describe the experience of using TBL to teach neuroradiology to 1st-year residents.

B. Interprofessional Learning

Priscilla J. Slanetz, MD, MPH

LEARNING OBJECTIVES

1) Define what is meant by interprofessional learning. 2) Describe challenges to interprofessional learning in the clinical environment. 3) Identify potential topics and strategies to promote interprofessional learning.

C. Simulation Training

Katherine A. Klein, MD

LEARNING OBJECTIVES

1) Identify several different types of simulation training for use in teaching radiology. 2) Apply the pedagogy of simulation training in different areas of radiology. 3) Identify areas in your own residency curriculum in which teaching would improve with simulation training.

D. Peer Observation

Priscilla J. Slanetz, MD, MPH

LEARNING OBJECTIVES

1) Describe the three components of peer observation. 2) Explain the potential benefits and challenges of implementing this technique into practice. 3) Develop skills in providing more effective feedback during the debriefing.

E. Games

Timothy P. Kasprzak, MD*

LEARNING OBJECTIVES

1) Apply interactive games as a novel teaching technique. 2) Develop new games for radiology education. 3) Compare and contrast the value of different game formats.

F. Using Technology to Enhance Learning

Ana P. Lourenco, MD

LEARNING OBJECTIVES

1) Identify methods of electronically accessing radiology texts frequently used in resident curriculum. 2) Describe electronic educational tools that engage the learner. 3) List a variety of electronic options for sharing materials with learners prior to conferences. 4) Describe audience response systems that can be used with learners' own smartphones or tablets.

Tuesday 2:30-3:30 PM**Session No. 117 • Room: La Galeries 1–2
ABR Update for Residents**

AMA PRA Category 1 Credit™: 1.00



Kay H. Vydareny, MD

LEARNING OBJECTIVES

1) Describe the Core and Certifying Examinations and associated study materials available on the ABR Web site to fellow residents. 2) Explain the basic principles of continuous certification to fellow residents. 3) Describe the new interventional radiology residency and plans for the interventional radiology/diagnostic radiology (IR/DR) certificate to fellow residents and interested medical students.

Tuesday 3:00-4:00 PM**Session No. 119 • Room: Mardi Gras Ballroom E
Unconference on Research Issues**

AMA PRA Category 1 Credit™: 1.00



Andrew B. Rosenkrantz, MD, Moderator

LEARNING OBJECTIVES

1) Describe broad trends that are currently happening within the realm of radiology research. 2) Recognize opportunities for radiology research in such areas as patient-centered outcomes, health services/health policy, and interdisciplinary sciences. 3) Identify resources and opportunities for collaboration in radiology research among institutions.

Tuesday 3:30-4:00 PM**Break****Room: Acadia Ballroom****Tuesday 4:00-4:30 PM****Session No. 121 • Room: La Galeries 1–2
Resident Case Review: Pediatric Radiology**

AMA PRA Category 1 Credit™: .50



Christopher D. Thomas, DO, Moderator

Teresa Chapman, MD, MA

LEARNING OBJECTIVES

1) Identify commonly encountered acute and chronic radiographic abnormalities of the pelvis and hips in the pediatric patient. 2) Differentiate between sonographic and CT findings of retroperitoneal masses in the child. 3) List a reasonable approach to neonatal chest diseases.



Tuesday 4:00-5:00 PM

Session No. 123 • Room: Mardi Gras Ballroom E Radiation Protection Issues

AMA PRA Category 1 Credit™: 1.00



Srini Tridandapani, MD, PhD, Moderator
Kevin S. King, MD, Moderator

A. What Happened to My Protocol? Case-based Troubleshooting of Unexpected CT Protocol Changes

Phuong-Anh T. Duong, MD

LEARNING OBJECTIVES

- 1) Identify common unexpected errors in CT protocol technical parameters from the images, including changes to tube current, tube potential, and pitch.
- 2) Describe common CT dose reduction techniques, including automatic tube current modulation, automatic kV selection, and iterative reconstruction.
- 3) Identify some of the pitfalls and artifacts that may occur when employing these techniques.
- 4) Describe ways to avoid these pitfalls.

B. Radiation Dosimetry in Breast Cancer Imaging

Ioannis Sechopoulos, PhD*

LEARNING OBJECTIVES

- 1) Explain the basic concepts of radiation dosimetry in breast imaging.
- 2) Compare the radiation dose involved in digital breast tomosynthesis to that of digital mammography in the screening realm.
- 3) Explain the concept of patient-specific breast dose.

C. Radiation Exposure from Medical Imaging: Debunking the Myths

Tessa S. Cook, MD, PhD

LEARNING OBJECTIVES

- 1) Describe the challenges in monitoring patients' radiation exposure.
- 2) Discuss the confusion and controversy surrounding radiation exposure from medical imaging.
- 3) Explain the tools available to decrease radiation exposure to patients.
- 4) Describe reporting requirements and technical standards that will be introduced in 2015 and beyond.

Tuesday 4:00-5:30 PM

Session No. 120 • Room: La Galerie 3 Why You Should Use the MIRC® Teaching File System in Your Residency Program

AMA PRA Category 1 Credits™: 1.50



William J. Weadock, MD*
Tessa S. Cook, MD, PhD
Krishna Juluru, MD

LEARNING OBJECTIVES

- 1) Describe how to use the RSNA Medical Imaging Resource Center (MIRC®) Teaching File System (TFS) program to generate radiology images for use in PowerPoint slides and for other purposes.
- 2) Explain how to utilize the de-identification functions of the TFS program to remove patient information from images.
- 3) Describe how to use the TFS program for conferences.

Tuesday 4:00-5:30 PM

Session No. 122 • Room: Bissonet Vice Chairs for Education: ADVICER

AMA PRA Category 1 Credits™: 1.50



Donald J. Flemming, MD*, Moderator

A. Job Description

Georgeann McGuinness, MD

B. Working with Your Chair

Carolyn C. Meltzer, MD*

LEARNING OBJECTIVES

- 1) Describe strategies for leveraging external and internal resources in support of education.
- 2) Develop a practice for good alignment of goals and communication between the chair and vice chair for education.
- 3) Identify shared understanding of responsibility and accountability between the chair and vice chair for education.

C. Working with Residencies

Jeremy B. Nguyen, MD, MS

LEARNING OBJECTIVES

- 1) Describe the principal role of the vice-chair of education in resident education.
- 2) Define the core tasks of the vice-chair of education in resident education.
- 3) Develop a framework of educational responsibilities of the vice-chair position that is applicable to the attendee's institution.

D. Working with Fellowships

M. Victoria Marx, MD

LEARNING OBJECTIVES

- 1) Outline the advantages of centralization of fellowship operational details.
- 2) Describe the role in oversight of Accreditation Council for Graduate Medical Education (ACGME) fellowships.
- 3) Describe the role in oversight of non-ACGME fellowships.

E. Working with Medical Students: Courses and Clerkships

Kitt Shaffer, MD, PhD

LEARNING OBJECTIVES

- 1) Enumerate ways in which shared resources can be optimized through integration of the educational mission for medical students with other missions of the radiology department.
- 2) List potential venues where radiology can play a role in teaching in the first 2 years of medical school.
- 3) Explain the importance of integration of radiology into medical student teaching, whether it be in other clinical rotations or in basic science courses.

F. Budgeting

Gilberto Sostre, MD

LEARNING OBJECTIVES

- 1) Discuss the need to have support from the chair of the Radiology Department, both financially and with time commitment.
- 2) Discuss the need to have support from the dean of the institution, both financially and with time commitment.
- 3) Explain how to present a budget in terms of justification of cost, with metrics for documentation of the value of the position and the sources for the financial support.

**Tuesday 4:00-5:30 PM****Session No. 124****ARRALD Program 3 (closed program)***AMA PRA Category 1 Credits™: 1.50***LEARNING OBJECTIVES**

1) Explain the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Develop approaches for practice improvement.

A. Junior Faculty Panel: Balancing Life and Career in Academic Radiology

Aine M. Kelly, MD, MS, Moderator
 Anna Rozenstein, MD
 Stefan Tigges, MD*

Tuesday 4:00-5:30 PM**APCR Member Meeting 1 •****Room: Mardi Gras Ballroom F-G****Tuesday 4:15-5:00 PM****RAHSR Business Meeting • Room: Balcony N****Tuesday 4:30-5:30 PM****Session No. 125 • Room: La Galeries 1-2
Idea Forum (A³CR² members only)***AMA PRA Category 1 Credit™: 1.00*

Amanda N. Chu, MD, Moderator
 Jason P. Eastlack, MD, Moderator
 Gautham P. Reddy, MD
 Angelisa M. Paladin, MD

LEARNING OBJECTIVES

1) Share experiences and identify mutual challenges among member chief residents representing programs from across the country. 2) Productively exchange and appraise ideas on a variety of practical, real-world issues affecting diagnostic radiology residency training. 3) Develop and disseminate innovative tangible solutions for shared challenges that can be employed at one's home institution.

Tuesday 5:30-6:30 PM

**A³CR²/APDR/SCARD/APCR Beer and Pretzels
 Reception (co-sponsored by APDR, RSNA, and SCARD)
 • Room: Carondelet**





Wednesday, April 15, 2015

Wednesday 6:30-8:00 AM

Continental Breakfast (all attendees)
Room: Acadia Ballroom

Wednesday 6:30 AM-5:00 PM

Exhibit Viewing
Room: Grand Ballroom Foyer

Poster Viewing
Room: Acadia Ballroom

Wednesday 6:30 AM-6:00 PM

Meeting Registration
Room: Registration Desk in Grand Ballroom Foyer

Speaker Ready Room
Room: Mardi Gras Ballroom B-C

Wednesday 7:00-8:00 AM

APDR Business Meeting • Room: La Galerie 3

Wednesday 7:00-8:15 AM

Session No. 201 • Room: Acadia Ballroom
Poster Discussion Session

AMA PRA Category 1 Credits™: 1.25

OT

Wednesday 7:00-8:15 AM

Session No. 202 • Room: La Galeries 1-2
Problem Solving for Chief Residents (A³CR² members only)

AMA PRA Category 1 Credits™: 1.25

ED

Zachary E. Ballenger, MD, Moderator
Gabriel J. Runner, MD, Moderator

LEARNING OBJECTIVES

- 1) Define the concepts of value in radiology as they pertain to radiology residency.
- 2) Describe the current roles of radiology residents that provide value to their departments and hospital systems.
- 3) Identify methods to increase the value of services provided by radiology residents to their departments and hospital systems.
- 4) Discuss new roles for radiology residents that will increase the value of the services provided to their radiology departments and hospital systems.

Wednesday 7:00-8:15 AM

Session No. 203 • Room: Mardi Gras Ballroom E
Building Your Teaching Network

AMA PRA Category 1 Credits™: 1.25

ED

Christopher M. Straus, MD*, Moderator

A. Faculty Building Faculty Networks: Case Study—Cornell's Clinical Radiologist Educator Alliance for Teaching Excellence (CREATE) Program

Lily M. Belfi, MD

LEARNING OBJECTIVES

- 1) Review some of the challenges facing radiologist educators in building and assessing their teaching materials.
- 2) Explain how faculty can support faculty in overcoming these challenges.
- 3) Describe the benefits of faculty networks on an individual, departmental, and institutional level.

B. When Learners Become Teachers: Strategies for Teaching Residents How to Teach Medical Students

Lori A. Deitte, MD

LEARNING OBJECTIVES

- 1) Identify and discuss resources for improving resident teaching skills.
- 2) Describe strategies for integrating these resources into a "residents as teachers" program.

C. Social Media in Graduate Medical Education

Jeffery Hogg, MD

LEARNING OBJECTIVES

- 1) Describe potential pitfalls for medical students in their use of social media.
- 2) Outline how students and faculty can enhance their education by using social media.
- 3) Distinguish how Twitter and Facebook differ in what they offer as benefits for medical student education.
- 4) List examples of how Twitter and Facebook with educational content can engage learners.
- 5) Explain how to synthesize effective teaching/learning tweets and Facebook posts.

D. Q&A

Wednesday 7:00-8:15 AM

Session No. 204 • Room: Mardi Gras Ballroom D
Academic and Industry Collaborations: The Sunshine Act

AMA PRA Category 1 Credits™: 1.25

HP **LM** **S** **ARLM** **RLI**

Robert C. Orth, MD, PhD*, Moderator

A. The Legal Framework for the Sunshine Act

Annemarie Relyea-Chew, JD, MS

LEARNING OBJECTIVES

- 1) Discuss the historical backdrop to the Physician Payments Sunshine Act (PPSA).
- 2) Describe the regulatory process and implementation of the PPSA.
- 3) Describe the effect of the PPSA on physicians currently.
- 4) Discuss the potential effect of the PPSA on the practice of diagnostic imaging.
- 5) Describe how to access relevant PPSA sites for education and comments to the CMS and stakeholders.

B. The Sunshine Act and an Academic Radiology Department

Steven E. Seltzer, MD*

LEARNING OBJECTIVES

- 1) Explain the terms and conditions of the Sunshine Act.
- 2) Describe how provisions of this law affect academic radiologists.
- 3) Discuss how to navigate the CMS Web site that posts relevant disclosures.

* Faculty financial disclosures are located in the Faculty Index.

**Wednesday 7:00-8:15 AM****Session No. 205****ARRALD Program 4 (closed program)**

AMA PRA Category 1 Credits™: 1.25

**LEARNING OBJECTIVES**

1) Explain the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Develop approaches for practice improvement.

A. Radiologic Professional Organizations: Making Sense of the "Alphabet Soup" (7:00-7:50 AM)

N. Reed R. Dunnick, MD

B. Networking in the Radiology Profession and Community (7:50-8:15 AM)

Ruth C. Carlos, MD, MS

Wednesday 8:00-10:00 AM**Session No. 206****AUR Radiology Management Program (closed program) (supported by an unrestricted educational grant from Agfa HealthCare)**

AMA PRA Category 1 Credits™: 2.00

**LEARNING OBJECTIVES**

1) Review, in a case-based mode, current management issues facing academic radiology departments. 2) Familiarize prospective academic radiology department leaders with decision making using mock departmental executive committees. 3) Train attendees in management problem solving guided by key experts in the field.

A. Welcome and Overview (8:00-8:15 AM)

Jocelyn D. Chertoff, MD, MS

B. Case 1: Incentive Plan for Academic Clinical Radiologists (8:15-10:00 AM)

Ronald L. Arenson, MD

Wednesday 8:30-9:00 AM**Session No. 207 • Room: La Galeries 1-2****Resident Case Review: Gastrointestinal Radiology**

AMA PRA Category 1 Credit™: .50



Christopher D. Thomas, DO, Moderator

Lori A. Deitte, MD

LEARNING OBJECTIVES

1) Describe the key MRI features of hepatic masses. 2) Compare and contrast the imaging features of various gastric masses. 3) Discuss a differential for cystic lesions of the pancreas.

Wednesday 8:30-10:00 AM**Session No. 208 • Room: Bissonet****AMSER Lucy Squire and APDR/ACR Keynote Lecture: Engaging the Digital Learner: How Growing Up Digital Impacts Learning**

AMA PRA Category 1 Credits™: 1.50



Caroline W. Carrico, MD*, Moderator

Curtis L. Whitehair, MD

LEARNING OBJECTIVES

1) Describe the generational and demographic differences between learners and teachers of today. 2) Discuss the value of how young "digital age" learners are processing information in the rapidly changing digital time. 3) Identify the need to change the current way in which graduate medical education is taught. 4) Explain why teachers need to change their own teaching style.

Wednesday 8:30-10:00 AM**Session No. 209 • Room: Mardi Gras Ballroom D****Task Force Reports**

AMA PRA Category 1 Credits™: 1.50



William F. Auffermann, MD, PhD, Moderator

A. Big Data in Radiology

Akash P. Kansagra, MD

Sayed Ali, MD

LEARNING OBJECTIVES

1) Define what is meant by big data. 2) Describe the relevance of big data in medicine. 3) Explain how big data can address key issues in radiology, including personalized image interpretation, quantification of study value, detection of new imaging features, and work flow characterization.

B. COARDRI: Clinically Oriented Academic Radiology Department Research Initiative

Robert J. Ward, MD

Summer J. Decker, PhD

LEARNING OBJECTIVES

1) Assess and discuss the disproportionate academic productivity from radiology clinically oriented academic departments. 2) Identify barriers to research productivity perceived by clinically oriented programs. 3) Identify an alternative research model to increase academic output at clinically oriented academic programs. 4) Consider participating in the COARDRI structured radiology research initiative.

C. Patient-centered Outcomes Research in Radiology

Matthew E. Zygmunt, MD

Jason N. Itri, MD, PhD

Kirsteen R. Burton, MSc, MBA, MD, PhD

LEARNING OBJECTIVES

1) Define patient-centered outcomes research (PCOR), and identify sources of national funding. 2) Describe the prioritization process and methodologies specified by the PCOR institute. 3) List examples of currently funded PCOR projects that utilize imaging and methodologies applied to these examples. 4) Examine gaps in radiology PCOR participation and areas of opportunity for future application.



D. Simulation in Radiology

Alison L. Chetlen, DO*
 William F. Auffermann, MD, PhD
 Bradley B. Pua, MD
 Carolynn DeBenedectis, MD
 Linda J. Probyn, MD
 Takashi S. Sato, MD
 Mishal Mendiratta-Lala, MD
 David S. Sarkany, MD

LEARNING OBJECTIVES

1) Discuss the history of simulation in radiology and current applications of simulation modules. 2) Compare and contrast currently available medical simulators and simulation centers. 3) Develop simulation modules for professionalism training, interpretive skills training, and procedural training for medical students, residents, fellows, and practicing radiologists. 4) Describe the strengths, limitations, and challenges of implementing team-based simulation. 5) Describe the future directions of using simulation in radiology to address competencies, including patient care and technical skills, professionalism, teamwork training, and interpersonal communication skills.

E. Value of Imaging in Health Care (RLI)

Phuong-Anh T. Duong, MD

LEARNING OBJECTIVES

1) Define value from the perspective of different stakeholders. 2) Identify and discuss key areas in which radiologists contribute to patient care beyond image interpretation. 3) Describe opportunities for further research to demonstrate the value of imaging in health care.

Wednesday 9:00-10:00 AM

Session No. 210 • Room: La Galeries 1–2 Career Panel for Residents

AMA PRA Category 1 Credit™: 1.00

OT

Lily Zou, MD, Moderator
 Brett Mollard, MD, Moderator
 Wendy C. Hsu, MD
 Matthew S. Hartman, MD
 Stefan Tigges, MD*

LEARNING OBJECTIVES

1) Identify the types of jobs currently available within the job market. 2) Explore the importance of fellowship and networking in securing a job in a tight market. 3) Examine job contracts, and develop negotiation skills.

Wednesday 10:00-10:30 AM

Break and Poster Viewing Room: Acadia Ballroom

Wednesday 10:30-11:00 AM

Session No. 211 • Room: La Galeries 1–2 Resident Case Review: Genitourinary Radiology

AMA PRA Category 1 Credit™: .50

GU ED

Christopher D. Thomas, DO, Moderator
 Emily M. Webb, MD

LEARNING OBJECTIVES

1) Describe common tests used in genitourinary (GU) imaging. 2) Interpret GU imaging studies to diagnose common diseases. 3) Devise an appropriate management plan based on findings from GU imaging studies.

Wednesday 10:30 AM-12:00 PM

Session No. 212 • Room: Bissonet ABR Update

AMA PRA Category 1 Credits™: 1.50

HP PR

Valerie P. Jackson, MD
 Milton J. Guiberteau, MD
 Matthew A. Mauro, MD
 Duane G. Mezwa, MD

LEARNING OBJECTIVES

1) Assess Initial Certification Examination reports. 2) Describe maintenance of certification (MOC) requirements. 3) Analyze logistics of the new interventional radiology/diagnostic radiology (IR/DR) pathway.

Wednesday 10:30 AM-12:00 PM

Session No. 213 • Room: Mardi Gras Ballroom E Constructing and Maintaining a Required Radiology Clerkship: Panel Discussion to Present and Discuss a Variety of Successful Clerkship Models

AMA PRA Category 1 Credits™: 1.50

ED

Richard B. Gunderman, MD, PhD, Moderator

A. Four-Week Dedicated Radiology Clerkship

Laura L. Avery, MD

LEARNING OBJECTIVES

1) Summarize the course design of a 4-week clinical clerkship in radiology. 2) Examine the pedagogical advantages of a month-long dedicated radiology education during the clinical year of medical school. 3) Examine the learner's experience and engagement with imaging. 4) Analyze the benefit of a 4-week clinical clerkship, including medical school funding, faculty development, and chairman support.

B. Longitudinal Radiology Course Integrated into Other Core Clerkships

Stefan Tigges, MD*

LEARNING OBJECTIVES

1) Describe the structure of a longitudinal radiology course integrated into other 3rd-year medical student clerkships. 2) Identify challenges to implementing this type of clerkship. 3) List the advantages of the longitudinal approach for medical student education.

C. Two-Week Clerkship

Jason W. Stephenson, MD

LEARNING OBJECTIVES

1) Compare the inherent benefits and limitations of a 2-week radiology clerkship. 2) Explain the benefits of a required radiology clerkship. 3) Discuss and give examples of the main challenges introduced by concurrently teaching 3rd- and 4th-year students during clerkship rotations.

D. One-Week Clerkship

Christopher M. Straus, MD*

LEARNING OBJECTIVES

1) Critique and identify solutions for coordinator support staff assisting faculty teaching medical students. 2) Examine and recommend effective solutions to commonly experienced administrative clerkship problems. 3) Differentiate and appraise common administrative expectations and misconceptions that students have in radiology imaging courses or clerkships.

**Wednesday 10:30 AM-12:00 PM****Session No. 214 • Room: La Galerie 3
Medical Education and Publishing: The Backbone of the Academic Radiology Team**

AMA PRA Category 1 Credits™: 1.50

EDRebecca Leddy, MD, Moderator
Stella K. Kang, MD, Moderator**LEARNING OBJECTIVES**

1) Discuss and recommend an appropriate venue for publishing or distributing specific educational material. 2) Compare and contrast the pros and cons of the different venues. 3) Identify and plan a publication/distribution strategy in advance of developing educational material. 4) Discuss how to enable clinical educators to critically appraise and interpret published educational literature. 5) Discuss the benefits of excellence in reviewing for both authors and reviewers.

A. Traditional and Nontraditional Venues for Sharing Educational Materials

Petra J. Lewis, MD*

LEARNING OBJECTIVES

1) Recommend an appropriate venue for publishing or distributing specific educational material. 2) Compare and contrast the pros and cons of the different venues. 3) Plan a publication/distribution strategy in advance of developing educational material.

B. Teaching House Staff: The Critically Appraised Topic

Aine M. Kelly, MD, MS

LEARNING OBJECTIVE

1) Discuss how to enable clinical educators to critically appraise and interpret published educational literature.

C. Academic Radiology and Education Articles: Submission and Review Criteria

Stanley Baum, MD

LEARNING OBJECTIVES

1) Describe the very important role publishing articles in a peer-reviewed journal has on the future career of academic radiologists. 2) Discuss why appointments and promotion committees view peer-reviewed publications as the standard of measuring academic productivity. 3) Describe in detail the various steps that a submitted manuscript takes from the time it is submitted to a journal until an editorial decision. 4) Discuss the structure of a manuscript prior to its being submitted to a journal.

D. Being a Good Reviewer for Education-related Manuscripts

Richard B. Gunderman, MD, PhD

LEARNING OBJECTIVE

1) Discuss the benefits of excellence in reviewing for both authors and reviewers.

Wednesday 10:30 AM-12:00 PM**Session No. 215 • Room: Mardi Gras Ballroom D
What Is Needed to Jump-start a Career in Research?**

AMA PRA Category 1 Credits™: 1.50

OTJonathan S. Lewin, MD, Moderator
Norman J. Beauchamp, Jr, MD, MHS*, Moderator
Reed A. Omary, MD, MS*
Carolyn C. Meltzer, MD*
Elizabeth A. Krupinski, PhD*
Ronald Peshock, MD
Kevin S. King, MD**LEARNING OBJECTIVES**

1) Identify key steps to launching a research career in academic radiology. 2) Develop an appreciation for the grant submission and review process. 3) Identify ways to determine your style of interaction and how that impacts negotiating for resources. 4) Discuss the value of mentors and support services.

Wednesday 10:30 AM-12:00 PM**Session No. 216
ARRALD Program 5 (closed program)**

AMA PRA Category 1 Credits™: 1.50

ED LM RLD ARLM RLI**LEARNING OBJECTIVES**

1) Explain the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Develop approaches for practice improvement.

A. Looking for Leadership in All the Weird Places: Preparing for Both Academic and Community Professional OpportunitiesAran M. Toshav, MD
Janis G. Letourneau, MD
Leonard R. Bok, MD***Wednesday 10:30 AM-12:00 PM****Session No. 217
AUR Radiology Management Program (closed program)
(supported by an unrestricted educational grant from Agfa HealthCare)**

AMA PRA Category 1 Credits™: 1.50

LM ARLM RLI**LEARNING OBJECTIVES**

1) Review, in a case-based mode, current management issues facing academic radiology departments. 2) Familiarize prospective academic radiology department leaders with decision making using mock departmental executive committees. 3) Train attendees in management problem solving guided by key experts in the field.

A. Case 2: Outpatient Imaging Center—An Acceptable New Venture for Your Department?Leonard Berlin, MD
Lawrence R. Muroff, MD**LEARNING OBJECTIVES**

1) Discuss the impact of health care reform on the viability of university joint-ventured imaging centers. 2) Describe the ethical and financial issues involved with patient selection in university joint-ventured imaging centers. 3) Identify appropriate modalities for inclusion in university joint-ventured imaging centers.



Wednesday 11:00 AM-12:00 PM

Session No. 218 • Room: La Galeries 1-2 Idea Forum (A³CR² members only)

AMA PRA Category 1 Credit™: 1.00



Amanda N. Chu, MD, Moderator
Jason P. Eastlack, MD, Moderator
Gautham P. Reddy, MD
Darel E. Heitkamp, MD

LEARNING OBJECTIVES

1) Share experiences and identify mutual challenges among member chief residents representing programs from across the country. 2) Productively exchange and appraise ideas on a variety of practical real-world issues affecting diagnostic radiology residency training. 3) Develop and disseminate innovative tangible solutions for shared challenges that can be employed at their home institutions. 4) Identify other programs' novel solutions to common administrative difficulties in radiology residency. 5) Discuss both the similarities and differences among training programs regarding many issues in residency training. 6) Discuss new ideas that could be integrated at participants' home institutions.

Wednesday 12:00-1:00 PM

AUR Luncheon and Awards Ceremony • Room: Carondelet



Awards (Announcements and Introductions)

AUR Memorial Award (pages 59, 80)

AUR Joseph E. and Nancy O. Whitley Award (pages 59, 72)

A³CR² Research Award (pages 59, 74)

AMSER Henry Goldberg Medical Student Award (pages 59, 81)

RAHSR Harvey L. Neiman Award (pages 59, 77)

RRA New Investigator Award (page 60)

AUR Trainee Prizes (pages 60, 63, 76, 77, 94, 96, 102, 106)

AUR Stauffer Awards (page 60)

AUR R&E Foundation Ethics and Professionalism in Radiology Grant Award

AUR GERRAF Fellows (page 61)

Wednesday 12:00-1:45 PM

APCR Member Lunch • Room: Balcony I

Wednesday 1:00-1:45 PM

Session No. 219 • Room: Carondelet Vydareny Imaging Interpretation Competition 1 (supported by an unrestricted educational grant from FujiFilm Medical Systems USA, Inc)

AMA PRA Category 1 Credit™: .75



Soonmee Cha, MD, Moderator
Ryan M. Kohlbrenner, MD
Valentin Lance, MD
Aaron C. Miracle, MD

LEARNING OBJECTIVES

1) Identify and assess imaging findings to arrive at an accurate differential diagnosis. 2) Discuss and collaborate with teammates to successfully compete against participating academic institutions. 3) Balance radiologic knowledge with challenging trivia related to San Francisco and New Orleans. 4) Describe a variety of challenging radiologic diagnostic cases. 5) Identify key imaging features associated with each case. 6) List cases with multi-organ involvement. 7) Explain the importance of the multimodal imaging method to arrive at a correct diagnosis. 8) Develop a short but meaningful list of differential diagnoses for each case.

Wednesday 1:00-3:30 PM

Session No. 220 AUR Radiology Management Program (closed program) (supported by an unrestricted educational grant from Agfa HealthCare)

AMA PRA Category 1 Credits™: 2.50



LEARNING OBJECTIVES

1) Review, in a case-based mode, current management issues facing academic radiology departments. 2) Familiarize prospective academic radiology department leaders with decision making using mock departmental executive committees. 3) Train attendees in management problem solving guided by key experts in the field.

A. Case 3: Point-of-Care (POC) US (1:00-2:30 PM)

Marc H. Willis, DO
Christopher M. Straus, MD*

B. Case 4: Managing Faculty Conflict-of-Interest Issues (Part 1) (2:30-3:30 PM)

Carolyn C. Meltzer, MD*
Steven E. Seltzer, MD*

Wednesday 2:00-3:00 PM

Session No. 221 • Room: La Galeries 1-2 Resident Case Review: US and Interventional Radiology

AMA PRA Category 1 Credit™: 1.00



Christopher D. Thomas, DO, Moderator
Stefanie Weinstein, MD
M. Victoria Marx, MD

LEARNING OBJECTIVES

1) Identify clinical care issues related to interesting interventional radiology cases. 2) Describe imaging options and findings related to interesting interventional radiology cases. 3) Discuss procedural decisions and techniques related to interesting interventional radiology cases. 4) Review interesting ultrasound cases, initially as unknowns and then with brief focused "pearls." 5) Recognize altered Doppler flow and abnormal waveforms that suggest underlying pathology in vascular ultrasound.

**Wednesday 2:00-3:30 PM****Session No. 222 • Room: Bissonet
RRC Update**

AMA PRA Category 1 Credits™: 1.50

James C. Anderson, MD
Felicia Davis**LEARNING OBJECTIVES**

1) Describe the newly created interventional radiology residency. 2) Identify the common issues raised of programs in the Next Accreditation System (NAS). 3) Define the use of milestones in radiology residency. 4) Describe the role of the RRC in residency and fellow education. 5) List the members of the Radiology RRC. 6) Provide updates from ACGME and on NAS evaluations. 7) Provide updates from the Review Committee. 8) Provide updates on the status of interventional radiology.

Wednesday 2:00-3:30 PM**Session No. 223 • Room: Mardi Gras Ballroom E
The Radiologist's Role in Gross Anatomy, Pathology, and Physiology Education**

AMA PRA Category 1 Credits™: 1.50



C. Alexander Grieco, MD, Moderator

A. Year 1: Radiology in the Gross Anatomy Laboratory 1

Nancy J. McNulty, MD*

LEARNING OBJECTIVES

1) Describe the benefits of incorporating radiology into the human anatomy course. 2) Discuss the utility of creating learning objectives to focus each radiology session. 3) Discuss the benefits and limitations of four pedagogies of radiology instruction.

B. Year 1: Radiology in the Gross Anatomy Laboratory 2

Allison M. Grayev, MD*

LEARNING OBJECTIVES

1) Discuss novel ways to teach radiology during anatomy courses, including cadaver scanning and the clinical case scenario builder. 2) Describe ways of transforming the role of radiology in anatomy education. 3) Discuss the use of the "flipped" classroom in anatomy teaching. 4) Explain the role of team-based learning in large group lecture settings.

C. Year 2: Radiology in an Organ-based System

Andres R. Ayoob, MD

LEARNING OBJECTIVES

1) Describe the concept of a spiral curriculum. 2) With regard to an organ-based curriculum, discuss and integrate a model of medical student teaching that uses a "flipped classroom" approach with audience response technology for in-class sessions. 3) Describe five guidelines that can contribute to success in integrating radiology education into an organ-based curriculum.

D. Year 3: Radiology in the Gross Anatomy Laboratory—Revisited

Kitt Shaffer, MD, PhD

LEARNING OBJECTIVES

1) Describe one inexpensive way to build large-scale models for demonstration of anatomical relationships, using CT and MRI data. 2) Discuss the potential educational advantages of a constructive approach to anatomical review, rather than simple identification. 3) List ways to involve elective students and residents in the design of teaching modules, and describe the educational value of this activity for more-advanced learners.

E. Year 4: Radiology—Surgical Pathology Elective

Matthew S. Hartman, MD

LEARNING OBJECTIVES

1) Recognize the limitations that medical students have with respect to taking radiology and pathology electives. 2) Identify advantages of incorporating aspects of surgery, radiology, and pathology into the curriculum in a singular elective course. 3) Incorporate different strategies for organizing a radiology-surgical pathology elective.

Wednesday 2:00-3:30 PM**Session No. 224 • Room: La Galerie 3
Defining Value in Radiology**

AMA PRA Category 1 Credits™: 1.50

Tessa S. Cook, MD, PhD, Moderator
Nabile M. Safdar, MD*, Moderator**LEARNING OBJECTIVES**

1) Develop strategies to implement a quality improvement program in your own environment. 2) Discuss what quality and value mean for your patients, colleagues, and health care system. 3) Discuss and assess opportunities to engage in patient outcomes research and development. 4) Describe the practical steps involved in using data to foster a culture of quality in the department. 5) Discuss challenges in introducing and demonstrating value in radiology from the health services perspective. 6) Identify opportunities to leverage funding for health services research to achieve improved patient outcomes.

A. Operationalizing a Culture of Data-driven Quality Improvement

James V. Rawson, MD

LEARNING OBJECTIVES

1) Discuss the challenges of measuring quality. 2) Discuss the challenges of creating a culture of quality and patient safety.

B. Health Services Research Perspectives on Driving Quality and Value in Radiology

Richard Duszak, Jr, MD

LEARNING OBJECTIVES

1) Define and distinguish concepts related to value propositions and value metrics. 2) Identify various stakeholder roles in identifying health care value. 3) Develop a framework for more deeply understanding quality and cost as components of value as it relates to health care delivery systems.

C. Health Services Research Funding: Prioritizing Patient Outcomes

Jeffrey G. Jarvik, MD, MPH*

LEARNING OBJECTIVES

1) Describe National Institutes of Health (NIH), Agency for Healthcare Research and Quality (AHRQ), and Patient-Centered Outcomes Research Institute (PCORI) initiatives for funding patient outcomes research. 2) Identify types of patient outcomes relevant to radiology. 3) State the definition of patient-centered outcomes research. 4) Discuss specific examples of patient outcomes research in radiology.

Wednesday 2:00-3:30 PM**Session No. 225 • Room: Mardi Gras Ballroom D
Role of the Radiology Chair in Developing Teams**

AMA PRA Category 1 Credits™: 1.50



Norman J. Beauchamp, Jr, MD, MHS*, Moderator

A. How to Recognize Dysfunctional Teams

Valerie P. Jackson, MD

LEARNING OBJECTIVES

1) Identify the types of dysfunctional teams. 2) Identify causes for dysfunction of a team. 3) Describe methods to deal with toxic teams and individual members.

B. Building Trust in a Team

Norman J. Beauchamp, Jr, MD, MHS*

LEARNING OBJECTIVES

1) Learn why trust is the essential ingredient in optimizing individual team performance. 2) Acquire tools and tactics needed to establish and maintain trust. 3) Be able to identify when trust has not been established or is lost.

C. Panel Discussion

Valerie P. Jackson, MD

Norman J. Beauchamp, Jr, MD, MHS*

Jonathan S. Lewin, MD

Cheri L. Canon, MD

* Faculty financial disclosures are located in the Faculty Index.



Wednesday 3:00-3:30 PM

A³CR² Business Meeting and Elections • Room: La Galeries 1-2

Ziga Cizman, MD, Moderator
Neil P. Shah, MD, Moderator
Mark M. Hammer, MD

Wednesday 3:30-4:00 PM

Break and Poster Viewing Room: Acadia Ballroom

Wednesday 4:00-5:00 PM

Session No. 228

AUR Radiology Management Program (closed program) (supported by an unrestricted educational grant from Agfa HealthCare)

AMA PRA Category 1 Credit™: 1.00



LEARNING OBJECTIVES

1) Review, in a case-based mode, current management issues facing academic radiology departments. 2) Familiarize prospective academic radiology department leaders with decision making using mock departmental executive committees. 3) Train attendees in management problem solving guided by key experts in the field.

A. Case 4: Managing Faculty Conflict of Interest Issues (Part 2) (4:00-4:45 PM)

Carolyn C. Meltzer, MD*
Steven E. Seltzer, MD*

B. Discussion (4:45-5:00 PM)

Wednesday 4:00-5:30 PM

Session No. 226 • Room: Bissonet Brogdon Panel: Diversity in the Radiology Workplace

AMA PRA Category 1 Credits™: 1.50



Michael B. Nichols, MD, Moderator
Matthew S. Layman, MD, Moderator
Gautham P. Reddy, MD
Marc Nivet, EdD

LEARNING OBJECTIVES

1) Examine the current state of demographics within the radiology community, identify barriers that contribute to groups being underrepresented within the field, and discuss solutions for this important issue. 2) Describe the diversity of the U.S. radiology physician workforce by race, ethnicity, and sex. 3) Discuss and assess the benefits of a diverse radiology workforce. 4) Compare diversity in the radiology residency workforce to that of other specialties. 5) Identify methods to increase radiology resident diversity.

Wednesday 4:00-5:30 PM

Session No. 227 • Room: Mardi Gras Ballroom D New Training Pathways to Dual Board Certification in Diagnostic Radiology and Nuclear Medicine: The Time Is Now

AMA PRA Category 1 Credits™: 1.50



Jay A. Harolds, MD, Moderator

LEARNING OBJECTIVES

1) List several reasons that alternative training programs in nuclear medicine are needed now. 2) Discuss how two programs are now handling rotations for alternative training programs in nuclear medicine. 3) Discuss how the nuclear medicine and radiology communities are cooperating on this issue.

A. Introduction and Background (4:00-4:10 PM)

Jay A. Harolds, MD

B. ACR and Radiology RRC Perspectives and National Survey of 16- and 60-Month Nuclear Medicine Alternative Training Programs (4:10-4:25 PM)

M. Elizabeth Oates, MD

C. ABR Perspective (4:25-4:35 PM)

Milton J. Guiberteau, MD

D. American Board of Nuclear Medicine Perspective and Experience with a 16-Month Nuclear Medicine Program during a 4-Year Radiology Residency (4:35-4:50 PM)

Munir Ghesani, MD*

E. Experience with a 16-Month Nuclear Medicine Program during a 4-Year Radiology Residency and Experience with a 1-Year Fellowship in Nuclear Medicine after a Radiology Residency (4:50-5:00 PM)

Mary Scanlon, MD

F. Experience with a 5-Year Program in Nuclear Medicine and Diagnostic Radiology (5:00-5:10 PM)

Andrei Iagaru, MD*

G. Q&A (5:10-5:30 PM)

Wednesday 6:30-9:00 PM

AUR Welcome Reception • Mardi Gras World Museum





Thursday, April 16, 2015

Thursday 6:30-8:00 AM

Continental Breakfast (all attendees)
Room: Acadia Ballroom

Thursday 6:30 AM-5:00 PM

Exhibit Viewing
Room: Grand Ballroom Foyer

Poster Viewing
Room: Acadia Ballroom

Thursday 6:30 AM-6:00 PM

Meeting Registration
Room: Registration Desk in Grand Ballroom Foyer

Speaker Ready Room
Room: Mardi Gras Ballroom B-C

Thursday 7:00-8:15 AM

Session No. 301 • Room: Acadia Ballroom
Poster Discussion Session

AMA PRA Category 1 Credits™: 1.25

OT

Thursday 7:00-8:15 AM

Session No. 302 • Room: La Galeries 1-2
Job Negotiation Primer for Residents

AMA PRA Category 1 Credits™: 1.25

OT ALD

Rustain L. Morgan, MD, MS, Moderator
Summit Shah, MD, Moderator
Janie M. Lee, MD, MS

LEARNING OBJECTIVES

1) Discuss appropriate time for applying for jobs. 2) Identify which benefits are negotiable. 3) Describe how buy-in and buyout work. 4) Discuss the role of noncompete clauses. 5) Explain the differences of partnership and non-partnership tracks.

Thursday 7:00-8:15 AM

Session No. 303 • Room: Bissonet
Clinical Competency Committee and Clinical Learning Environment Review

AMA PRA Category 1 Credits™: 1.25

NM ED

Kristen L. Bagnon, MD, Moderator

A. Diagnostic Radiology Milestones

Bruno A. Policeni, MD

LEARNING OBJECTIVES

1) Assess and discuss the ACGME Diagnostic Radiology Milestones. 2) Develop ways to evaluate the milestones. 3) Develop ways to collaborate with other areas in your department to advance the milestones assessment. 4) Implement objective assessment for each milestone.

B. Nuclear Medicine Milestones

Jon A. Baldwin, DO

LEARNING OBJECTIVES

1) Define the purpose and utility of the ACGME Milestones project in nuclear medicine training. 2) Describe the motivation behind the choice of specific milestones in the nuclear medicine specialty. 3) Identify the differences between the nuclear medicine milestones and those of other imaging specialties.

C. Radiology Fellowship Milestones

James C. Anderson, MD

LEARNING OBJECTIVES

1) Describe the use of fellowship milestones. 2) Describe the purpose of the clinical competency committee. 3) Compare and contrast the residency and fellowship milestones.

D. Forming and Administering a Clinical Competency Committee

William F. Auffermann, MD, PhD

LEARNING OBJECTIVES

1) Define the basic ACGME requirements for assessing radiology resident clinical competency. 2) Identify the key elements of a clinical competency committee. 3) Describe methods for data gathering and organization. 4) Compare different methods for resident review and feedback.

E. Clinical Learning Environment Review

Lori A. Deitte, MD

LEARNING OBJECTIVES

1) Describe the components of the Clinical Learning Environment Review (CLER) site visit. 2) Discuss CLER site visit preparation strategies.

Thursday 7:00-8:15 AM

Session No. 304 • Room: Mardi Gras Ballroom D
ACGME Coordinator Update

AMA PRA Category 1 Credits™: 1.25

ED

Marleen Viola, Moderator
Felicia Davis
Lauren Johnson

LEARNING OBJECTIVES

1) Describe updates to ACGME's Next Accreditation System. 2) Discuss the new program review process. 3) Discuss updates from ACGME and the Review Committee for Radiology.



Thursday 7:00-8:15 AM

Session No. 305 • Room: La Galerie 3 GERRAF Research in Progress: Session 1

AMA PRA Category 1 Credits™: 1.25



2015 Junior Fellow Presentation

Thursday 7:00-8:15 AM

AMSER Members Meeting • Room: Mardi Gras Ballroom E

Thursday 8:30-10:00 AM

Session No. 306

AUR Radiology Management Program (closed program) (supported by an unrestricted educational grant from Agfa HealthCare)

AMA PRA Category 1 Credits™: 1.50



LEARNING OBJECTIVES

- 1) Review, in a case-based mode, current management issues facing academic radiology departments.
- 2) Familiarize prospective academic radiology department leaders with decision making using mock departmental executive committees.
- 3) Train attendees in management problem solving guided by key experts in the field.

A. Case 5: Lemonade from Lemons—Practice Quality Improvement

Jocelyn D. Chertoff, MD, MS
Stephen Chan, MD

Thursday 8:30-10:00 AM

Session No. 307 • Room: La Galeries 1-2 Problem Solving for Residents, Program Directors, Program Coordinators, and Chairs

AMA PRA Category 1 Credits™: 1.50



Zachary E. Ballenger, MD, Moderator
Gabriel J. Runner, MD, Moderator
Charles S. Resnik, MD
Richard B. Ruchman, MD*

LEARNING OBJECTIVES

- 1) Describe the results of the chief residents' problem-solving sessions.
- 2) Explain the findings of small-group discussions aimed at solving stated problems.
- 3) Describe small-group solutions to all participants.
- 4) Formulate an overall problem-solving action plan.

Thursday 8:30-10:00 AM

Session No. 308 • Room: Bissonet Engaging Medical Students: Beyond the Gross Lab and the Reading Room

AMA PRA Category 1 Credits™: 1.50



Carl R. Fuhrman, MD, Moderator

A. Reviving Your Radiology Interest Group

Katherine A. Klein, MD

LEARNING OBJECTIVES

- 1) Identify times and potential opportunities during the medical school calendar for the radiology interest group to reach out to medical students.
- 2) Describe and apply creative and innovative ideas for reinvigorating your own radiology interest group.
- 3) Examine your own radiology interest group's curriculum, and identify areas that need improvement.

B. Sharing the Healer's Art as a Physician Teacher, Tutor, and Student Coach

C. Alexander Grieco, MD

LEARNING OBJECTIVES

- 1) List the ways that radiologists can engage students beyond the radiology interest group.
- 2) Discuss the role of student advocate from the curricular and extracurricular perspectives.
- 3) Develop your own definition of the radiologist as a "medical teacher."

C. Mentoring Medical Students for Radiology Research Projects and Manuscript Preparation

Rathan M. Subramaniam, MD, PhD, MPH*

LEARNING OBJECTIVES

- 1) Discuss the value of engaging medical students in radiology and nuclear medicine.
- 2) Explain the mechanics of medical students' radiology and nuclear medicine research.
- 3) Describe successful medical student research publications and portfolios.

D. Including Medical Students in International Medical Education Experiences

Charles Maxfield, MD

LEARNING OBJECTIVES

- 1) Discuss opportunities for medical student involvement in global health projects.
- 2) Describe potential contributions from medical students in global health experience.
- 3) Identify potential sources of funding for medical student travel as part of a global health experience.

Thursday 8:30-10:00 AM

Session No. 309 • Room: La Galerie 3 GERRAF Research in Progress: Session 2

AMA PRA Category 1 Credits™: 1.50



2015 Junior Fellow Presentation

Thursday 10:00-10:30 AM

Break and Poster Viewing Room: Acadia Ballroom

**Thursday 10:30 AM-12:00 PM****Session No. 310 • Room: Bissonet**
AUR Plenary: Radiologists' Value in a Changing World

AMA PRA Category 1 Credits™: 1.50

Gary J. Whitman, MD, Moderator
Raymond S. Greenberg, MD, PhD**LEARNING OBJECTIVES**

1) Identify the relationship between poor interprofessional (IP) teamwork and communication and the risk of adverse events in health care. 2) Define IP education, and described approaches to providing it. 3) Summarize the literature on IP education and its impact on clinical practice. 4) Define core trustworthy professional activities and their relationship to IP education.

Thursday 10:30 AM-12:00 PM**Session No. 311**
AUR Radiology Management Program (closed program)
(supported by an unrestricted educational grant from Agfa HealthCare)

AMA PRA Category 1 Credits™: 1.50

**LEARNING OBJECTIVES**

1) Review, in a case-based mode, current management issues facing academic radiology departments. 2) Familiarize prospective academic radiology department leaders with decision making using mock departmental executive committees. 3) Train attendees in management problem solving guided by key experts in the field.

A. Case 6: Balancing Patient-focused Services with Increasing Revenue Cuts and Pressures in an Academic Breast Imaging CenterElizabeth Molina, MBA
Brandi T. Nicholson, MD***Thursday 10:30 AM-12:00 PM****APCR Member Meeting 2 • Room: Mardi Gras Ballroom D****Thursday 12:00-1:00 PM****Luncheon and AUR Business Meeting •**
Room: Carondelet**Thursday 12:00-1:45 PM****APCR Member Lunch • Room: Balcony I****Thursday 1:00-1:45 PM****Session No. 312 • Room: Carondelet**
Vydareny Imaging Interpretation Competition 2 (supported by an unrestricted educational grant from FujiFilm Medical Systems USA, Inc)

AMA PRA Category 1 Credit™: .75

Soonmee Cha, MD, Moderator
Ryan M. Kohlbrenner, MD
Valentin Lance, MD
Aaron C. Miracle, MD**LEARNING OBJECTIVES**

1) Identify and assess imaging findings to arrive at an accurate differential diagnosis. 2) Discuss and collaborate with teammates to successfully compete against participating academic institutions. 3) Balance radiologic knowledge with challenging trivia related to San Francisco and New Orleans. 4) Describe a variety of challenging radiologic diagnostic cases. 5) Identify key imaging features associated with each case. 6) List cases with multiorgan involvement. 7) Explain the importance of the multimodal imaging method to arrive at a correct diagnosis. 8) Develop a short but meaningful list of differential diagnoses for each case.

Thursday 1:00-3:30 PM**Session No. 313**
AUR Radiology Management Program (closed program)
(supported by an unrestricted educational grant from Agfa HealthCare)

AMA PRA Category 1 Credits™: 2.50

**LEARNING OBJECTIVES**

1) Review, in a case-based mode, current management issues facing academic radiology departments. 2) Familiarize prospective academic radiology department leaders with decision making using mock departmental executive committees. 3) Train attendees in management problem solving guided by key experts in the field.

A. Case 7: Negotiation Skills—The Case of Financial Negotiation for Equipment Purchases (1:00-2:45 PM)

Dieter R. Enzmann, MD

B. Case 8: Academic Missions in Academic Radiology (Part 1) (2:45-3:30 PM)

Richard B. Gunderman, MD, PhD



Thursday 2:00-3:30 PM

AUR Scientific Sessions

AMA PRA Category 1 Credits™: 1.50



SS01: Clinical Imaging

Room: La Galerie 3

(See pages 63–65.)

SS02: Informatics and Health Services in Radiology

Room: Bissonet

(See pages 66–68.)

SS03: Education of Residents

Room: Mardi Gras Ballroom D

(See pages 68–71.)

SS04: Education of Medical Students; Miscellaneous

Room: Mardi Gras Ballroom E

(See pages 71–74.)

SS05: Interventional; Musculoskeletal; Neuroradiology

Room: La Galeries 1–2

(See pages 74–77.)

SS06: RAHSR Session

Room: Balcony L

(See pages 77–80.)

Thursday 3:30-4:00 PM

Break and Poster Viewing

Room: Acadia Ballroom

Thursday 4:00-5:30 PM

Session No. 314 • Room: La Galeries 1–2 Survey Research for Residents: A Primer

AMA PRA Category 1 Credits™: 1.50



Adam D. Talenfeld, MD, Moderator

LEARNING OBJECTIVES

1) Discuss the value and complexity of good survey research. 2) Identify tools and resources for performing survey research. 3) Discuss how to increase the validity of survey results generated by radiologists.

A. The A³CR² Annual Survey: Goals and Intent

Mark M. Hammer, MD

Ziga Cizman, MD

LEARNING OBJECTIVES

1) Explain what benefits are provided to residents by residency programs. 2) Describe how residency programs deal with call coverage. 3) Identify what preparatory and study resources are provided by residency programs. 4) Discuss how chief residents view the job market and what specialties are popular.

B. Survey Research: Key Elements of Design

Pari Pandharipande, MD, MPH

LEARNING OBJECTIVES

1) Discuss how to design a successful survey project. 2) Describe appropriate methods for piloting survey instruments. 3) Identify sources of survey research bias, and explain how to minimize them.

C. Collecting and Interpreting Survey Data

Katherine E. Maturen, MD*

LEARNING OBJECTIVES

1) Recognize the potential complexity of survey research, and seek expert input when appropriate. 2) Identify threats to validity in questionnaire implementation and data collection. 3) Explain the impact of sampling methods on the validity of conclusions.

Thursday 4:00-5:30 PM

Session No. 315 • Room: Bissonet Making Lemons into Lemonade: The Milestones and Recruiting the Next Generation of Radiologists

AMA PRA Category 1 Credits™: 1.50



Norman J. Beauchamp, Jr, MD, MHS*, Moderator

A. Milestones: Obstacle or Opportunity?

James V. Rawson, MD

Darel E. Heitkamp, MD

LEARNING OBJECTIVES

1) Discuss the ACGME Milestones. 2) Discuss the opportunity to use milestones as a tool for culture change in radiology. 3) Identify how the milestones have improved resident assessment. 4) Describe the implications of the milestones on the program director. 5) Discuss the trajectory of radiology graduate medical education over the past decade.

B. Recruiting the Next Generation of Radiologists

Kristen K. DeStigter, MD*

Alexander M. Norbash, MD*

LEARNING OBJECTIVES

1) Explain the specific employment challenges facing current radiology trainees. 2) Identify the various contributory elements in the changing landscape of radiologic practice. 3) Describe potential strategic approaches to reconciling the needs of practitioners with changing health care demands and delivery systems.

Thursday 4:00-5:30 PM

Session No. 316 • Room: Mardi Gras Ballroom D Best Practices/Roundtable Discussions

AMA PRA Category 1 Credits™: 1.50



Marleen Viola, Moderator

Marleen Viola

LEARNING OBJECTIVES

1) Discuss in small groups the challenges facing coordinators today. 2) Promote the sharing of ideas and support for all coordinators. 3) Develop best practices you can implement in your program.

**Thursday 4:00-5:30 PM****Session No. 317 • Room: Mardi Gras Ballroom E**
WHAT and HOW Should We Teach Medical Students? Teaching Imaging Principles and Skills in Medical Education

AMA PRA Category 1 Credits™: 1.50



Srvanathi Reddy, MD, Moderator

A. The Importance of Teaching Noninterpretive Skills Such as Utilization, Radiation Safety, Professionalism, Risk-Benefit Analysis, and Evidence-based Medicine

David M. Naeger, MD

LEARNING OBJECTIVES

- 1) Describe content appropriate for a noninterpretive radiology curriculum.
- 2) Discuss and analyze the expectations of modern students with regard to interpretive versus noninterpretive content.
- 3) Discuss and assess the impact of teaching a radiology curriculum focused on noninterpretive skills.

B. The Importance of Teaching Interpretive Skills in Radiology

Kimi L. Kondo, DO*

LEARNING OBJECTIVES

- 1) Describe content appropriate for an interpretive radiology curriculum.
- 2) Compare the expectations of students and nonradiologists with those of radiologists with regard to interpretive content.
- 3) Discuss and assess the impact of teaching a radiology curriculum focused on interpretive skills.

C. Risks and Benefits of an Online or Virtual Curriculum

Emily M. Webb, MD

LEARNING OBJECTIVES

- 1) Discuss the challenges that face radiology educators in 2014.
- 2) Describe benefits of a digital curriculum.
- 3) Explain and analyze the risks of a digital curriculum.

D. Ultrasound Education: US Lab and US Objective Structured Clinical Examination

Maria C. Shiau, MD, MA

LEARNING OBJECTIVES

- 1) Develop a concise learning curriculum for a medical student US workshop.
- 2) Develop a checklist for student grading by the standardized patient.
- 3) List key elements required for an objective structured clinical examination (OSCE).

Thursday 4:00-6:15 PM**Session No. 319****AUR Radiology Management Program (closed program)**
(supported by an unrestricted educational grant from Agfa HealthCare)

AMA PRA Category 1 Credits™: 2.25

**LEARNING OBJECTIVES**

- 1) Review, in a case-based mode, current management issues facing academic radiology departments.
- 2) Familiarize prospective academic radiology department leaders with decision making using mock departmental executive committees.
- 3) Train attendees in management problem solving guided by key experts in the field.

A. Case 8: Academic Missions in Academic Radiology (Part 2)**(4:00-5:15 PM)**

Richard B. Gunderman, MD, PhD

B. Closing Remarks (5:15-5:30 PM)**C. Keynote: Maintaining Focus in a Time of Change** **(5:30-6:00 PM)**

Jocelyn D. Chertoff, MD, MS

D. Program Recognition (6:00-6:15 PM)**Thursday 4:30-6:00 PM****Session No. 318****ARRALD Program 6 (closed program)**

AMA PRA Category 1 Credits™: 1.50

**LEARNING OBJECTIVES**

- 1) Explain the principles of academic leadership.
- 2) Identify opportunities for practice improvement.
- 3) Develop approaches for practice improvement.

A. Practice Improvement Workshop

Ruth C. Carlos, MD, MS

James V. Rawson, MD

Thursday 5:00-6:00 PM**RRA Business Meeting • Room: Bacchus****Thursday 5:30-5:45 PM****ACER Business Meeting • Room: Balconies J-K****Thursday 5:45-7:00 PM****AMSER/ACER Reception and Open House • Room: Balconies J-K**



Friday, April 17, 2015

Friday 6:30-8:00 AM

Continental Breakfast (all attendees)
Room: Acadia Ballroom

Friday 6:30 AM-12:00 PM

Exhibit Viewing
Room: Grand Ballroom Foyer

Poster Viewing
Room: Acadia Ballroom

Friday 6:30 AM-4:00 PM

Speaker Ready Room
Room: Mardi Gras Ballroom B-C

Friday 6:30 AM-4:30 PM

Meeting Registration
Room: Registration Desk in Grand Ballroom Foyer

Friday 7:00-8:30 AM

Session No. 401 • Room: Mardi Gras Ballroom D
Social Media/AIRP Update

AMA PRA Category 1 Credits™: 1.50

OT

Sally A. Jones, BA, Moderator
Mandy Velligan, BA
Kathryn L. Parker
Carl D. Williams

LEARNING OBJECTIVES

1) Identify social media outlets and the impact of social media on a residency program. 2) Create a brand through internal and external marketing and social media, including how to propose marketing strategies, improve available content, create marketing campaigns, and create a better overall image of a residency program. 3) Keep up with the times, as the younger generation relies almost solely on social media and the Internet as primary resources. 4) Identify how to direct marketing campaigns and select an audience. 5) Discuss how to overcome challenges in budget, IT, security issues, internal marketing departments, personnel, technical issues, and time. 6) Recognize how residents use networking to improve radiology experience. 7) Define the functionality of the CrowdCompass app (meeting management application for residents). 8) Discuss how to improve the American Institute for Radiologic Pathology (AIRP) registration process. 9) Identify ways to save their programs money. 10) Discuss how to improve the AIRP experience for their residents.

Friday 7:00-8:30 AM

Session No. 402 • Room: La Galerie 3
GERRAF Research in Progress: Session 3

AMA PRA Category 1 Credits™: 1.50

ED **RS** **RLD**

2015 Junior Fellow Presentation

Friday 7:15-10:00 AM

Session No. 403
AUR Academic Faculty Development Program (closed program)
(supported by the American Roentgen Ray Society)

AMA PRA Category 1 Credits™: 2.75

ED **LM** **PR**

LEARNING OBJECTIVES

1) Enumerate the key missions of an academic radiologist. 2) Describe strategies for performing well in each of these missions. 3) Develop a personal plan to enhance excellence as an academic radiologist.

A. Welcome (7:15-7:30 AM)

Richard B. Gunderman, MD, PhD

B. Excelling at Education: The Learner's Perspective (7:30-8:00 AM)

Brandon P. Brown, MD, MA

C. Excelling at Research (8:00-8:30 AM)

King C. Li, MD

D. Ethics and Publishing (8:30-9:00 AM)

Johan G. Blickman, MD, PhD

E. Chair Roundtable: How a Chair Can Help Your Career (9:00-10:00 AM)

N. Reed Dunnick, MD, Moderator

Susan D. John, MD

Erik K. Paulson, MD

Steven E. Seltzer, MD*

Friday 8:30-10:00 AM

Session No. 404 • Room: Bissonet
Teaching Customer Service to Radiology Residents

AMA PRA Category 1 Credits™: 1.50

ED

Janet A. Munroe, MD, Moderator
Janet A. Munroe, MD
Lorie Stumpo, MD
Gilberto Sostre, MD
Eran Rotem, MD
Norman B. Thomson III, MD, MBA*
Kandace R. Klein, DO
Francisco A. Perez, MD, PhD
William T. Randazzo, MD
Frances M. Wolff
Scott E. Forseen, MD
Juan P. Juan-Ramirez, MD

LEARNING OBJECTIVES

1) Identify principles of customer service and their applications in radiology. 2) Discuss customer service issues that residents will encounter. 3) Explain how to implement a learning module in radiology residency training in order to teach residents about customer service.

* Faculty financial disclosures are located in the Faculty Index.

**Friday 8:30-10:00 AM****Session No. 405 • Room: Mardi Gras Ballroom E
Team Science: Mentoring in Principles of Study Design**

AMA PRA Category 1 Credits™: 1.50

Andrew B. Rosenkrantz, MD, Moderator
Marta E. Heilbrun, MD, Moderator**Panel:**Jeffrey G. Jarvik, MD, MPH*
Paul P. Cronin, MBBCh
Robert F. Mattrey, MD
Rathan M. Subramaniam, MD, PhD, MPH***A. Clinical Interpretation and Diagnostic Accuracy Abstracts****Stiffness with Bicuspid Aortic Valve Is Variable and Not Predicted by Conventional Parameters in Young Patients**

Nicholas S. Burris, MD

Identification of Mucin in Cystic Pancreatic Lesions using Dual-energy CT

Samuel J. Galgano, MD

Quantitative Radionanoparticle Imaging of Intranasal Drug Delivery Using Micro-PET/CT

Michael C. Veronesi, MD, PhD

Assessment of Liver Surface Nodularity Measurement Reproducibility across Multiple CT Scanners at Different Imaging Centers Using an Anthropomorphic CT Imaging Phantom

Kevin A. Zand, MD

B. Health Services and Quality Abstracts**Recent Trends in the Volume and Utilization Rates of Vertebroplasty and Kyphoplasty in the United States: Analyzing the Impact of Recent Randomized Clinical Control Trials**

Moungyan Cox, BS, MD

Quality Measurements in Radiology: A Systematic Review of the Literature and Survey of Radiology Benefit Management Groups

Anand K. Narayan, MD, PhD

How Much Do Common Imaging Studies Cost? A Nationwide Survey of Radiology Trainees

Arvind Vijayasarithi, MD, MBA, MPH

Root-Cause Analysis of PET-CT Cancellations

Shana Elman, MD, MA

LEARNING OBJECTIVES

1) Describe key components of proper research study design. 2) Assess, critique, and improve the design of a radiology research study. 3) Identify opportunities for research mentorship within the academic radiology community.

Friday 8:30-10:00 AM**Session No. 406 • Room: Mardi Gras Ballroom D
Collaborators Outside of Your Radiology Department**

AMA PRA Category 1 Credits™: 1.50



Norman J. Beauchamp, Jr, MD, MHS*, Moderator

A. What a Philanthropist Wants to Hear

C. Wallace Hooser, MD

LEARNING OBJECTIVES

1) Identify what is a private foundation and what is a public foundation, and explain how they differ. 2) Develop an approach to grant application to foundations that will meet their expectations for approval. 3) Explain and recommend to colleagues how to assemble and present grant applications that will have an increased probability of being funded. 4) Discuss and estimate

which foundations may be open to making the grants that you are seeking. 5) Explain to others what are the unique hurdles that applicants from radiology share that are different from other areas of medicine and how to overcome those disadvantages.

B. How Radiology Brings Value to the Community

James A. Brink, MD

LEARNING OBJECTIVES

1) Discuss various community service activities that radiologists may embrace. 2) Compare and contrast the potential impact of domestic versus international radiology-specific community service activities. 3) Recognize the importance of diversity issues in the community when planning community service activities.

C. Building Intradepartmental Relationships

Carolyn C. Meltzer, MD*

LEARNING OBJECTIVES

1) Describe strategies for leveraging external and internal resources in support of collaboration. 2) Develop good practices for negotiating. 3) Identify shared understanding of individual and group contributions to the academic missions.

Friday 8:30-10:00 AM**Session No. 407
ARRALD Program 7 (closed program)**

AMA PRA Category 1 Credits™: 1.50

**LEARNING OBJECTIVES**

1) Explain the principles of academic leadership. 2) Identify opportunities for practice improvement. 3) Develop approaches for practice improvement.

A. Leadership: Putting It All TogetherRuth C. Carlos, MD, MS
James V. Rawson, MD**LEARNING OBJECTIVES**

1) Explain leadership principles that can be applied immediately as a resident. 2) Identify opportunities for leadership and practice improvement. 3) Develop and practice approaches to leading small leadership or practice improvement projects.

Friday 9:00-10:00 AM**Session No. 408 • Room: La Galeries 1-2
Resident Case Review: Nuclear Medicine and Musculoskeletal Radiology**

AMA PRA Category 1 Credit™: 1.00

Christopher D. Thomas, DO, Moderator
David M. Naeger, MD
Charles S. Resnik, MD**LEARNING OBJECTIVES**

1) Describe common tests used in nuclear medicine. 2) Interpret nuclear medicine images to diagnose common diseases. 3) Discuss and devise an appropriate management plan based on findings from diagnostic nuclear medicine studies. 4) The participant will gain insight into the imaging diagnosis of various musculoskeletal disorders.

Friday 10:00-10:30 AM**Break
Room: Acadia Ballroom**

* Faculty financial disclosures are located in the Faculty Index.



Friday 10:30-11:30 AM

Session No. 409 • Room: La Galeries 1–2 Resident Case Review: Neuroradiology and Breast Imaging

AMA PRA Category 1 Credit™: 1.00

BR **NR** **ED**

Christopher D. Thomas, DO, Moderator
Mark E. Mullins, MD, PhD
Janet E. Bailey, MD

LEARNING OBJECTIVES

- 1) Discuss interesting cases in neuroradiology.
- 2) Explain how to detect specific diagnoses or differential diagnoses in neuroradiology, when possible.
- 3) Describe and recommend appropriate next steps in the workup of suspected disease of the central nervous system.
- 4) Discuss and review fundamentals of breast imaging on the basis of assembled cases.
- 5) Classify breast imaging problems, and assess their own knowledge of breast imaging by analyzing unknown cases.
- 6) Identify areas for further review (perhaps in some cases before taking a certain important test coming up in June).
- 7) Apply their knowledge to the imaging of patients presenting for breast cancer screening and for evaluation of clinical breast problems.

Friday 10:30 AM-12:00 PM

Session No. 410 • Room: Bissonet The New Interventional Radiology Residency: Ideas for Small, Medium, and Large Programs

AMA PRA Category 1 Credits™: 1.50

ED **LM** **S**

J. Mark McKinney, MD, Moderator

LEARNING OBJECTIVES

- 1) Assess and discuss the number of positions a diagnostic radiology (DR) residency program should consider for conversion to interventional radiology (IR) residency positions.
- 2) Compare the advantages and disadvantages of integrated versus independent IR residency pathways.
- 3) Explain the rules of transfer between DR and IR residency programs.
- 4) Discuss and apply specific strategies for small and large programs developing IR residency programs.

A. Converting Diagnostic Radiology Positions to Interventional Radiology: Pros and Cons

J. Mark McKinney, MD

B. Independent versus Integrated: What Is the Difference?

M. Victoria Marx, MD

C. Rules of Transfer: Do We Need Another Match?

Saher S. Sabri, MD

D. Small Program Strategy

Derek Mittleider, MD

E. Large Program Strategy

Kelvin K. Hong, MD*

F. Q&A

Friday 10:30 AM-12:00 PM

Session No. 411 • Room: Balcony L AMSCR Program: Tips and Tricks for Coordinators in Managing Medical Students' Courses and Electives

AMA PRA Category 1 Credits™: 1.50

ED **LM** **ARLM**

Melinda G. Parangan-Chu, Moderator

A. How Not to Reinvent the Wheel: Bridging the Gap between Coordinator and Faculty (10:30-11:00 AM)

Emily M. Webb, MD
David M. Naeger, MD

LEARNING OBJECTIVES

- 1) Describe common challenges that occur as coordinators work with faculty members.
- 2) Develop techniques to communicate effectively with faculty.
- 3) Explain how key faculty (course directors, etc) can act as a bridge between coordinators and the other faculty in the department.

B. Problem-solving Techniques: Interactive Session (11:00 AM-12:00 PM)

Bren D. Ahearn, MA
Melinda G. Parangan-Chu
Christopher M. Straus, MD*
Emily M. Webb, MD
David M. Naeger, MD
Caitlin T. Dale

LEARNING OBJECTIVES

- 1) Demonstrate methods and tools for performance evaluations, updated job descriptions, and job reclassifications.
- 2) Explain the value of the role of coordinators as the starting point for radiology education and how to maximize their educational experience.
- 3) Provide a forum for questions and answers related to medical student electives, where program directors and coordinators can share best practices.
- 4) Describe common obstacles in meeting departmental expectations for teaching.
- 5) Discuss the feasibility of employing strategies that have worked at other programs.
- 6) Describe creative strategies to ease coordination of medical student programs.

Friday 10:30 AM-12:00 PM

Session No. 412 • Room: Balcony N Nearpod: Interactive Classroom Lecture Tool Workshop (Preregistration Required)

AMA PRA Category 1 Credits™: 1.50

ED

Erin E. O'Connor, MD, Moderator
Erin E. O'Connor, MD
Caroline W. Carrico, MD*

LEARNING OBJECTIVES

- 1) Upload an existing presentation to the Nearpod program.
- 2) Implement interactive features into your Nearpod presentation.
- 3) Provide instructions to your students on how to join a Nearpod presentation.
- 4) Deliver an effective Nearpod presentation.
- 5) Discuss how to utilize the data provided on student performance to enhance your teaching.

Friday 10:30 AM-12:00 PM

Session No. 413 • Room: La Galerie 3 GERRAF Research in Progress: Session 4

AMA PRA Category 1 Credits™: 1.50

ED **RS**

2015 Junior Fellow Presentation

**Friday 10:30 AM-12:00 PM****Session No. 414 • Room: Mardi Gras Ballroom D**
Academic Radiology as a High-Performance Team: How Do We Get There?

AMA PRA Category 1 Credits™: 1.50



Alexander M. Norbash, MD*, Moderator

A. Profile of High-performing Teams outside of Health Care

James V. Rawson, MD

LEARNING OBJECTIVES

1) Define high-performing/high-reliability teams. 2) Discuss the opportunity for radiology to become a high-performing/high-reliability team.

B. Where Does Radiology Fit in the Organizational Development Plan?**Change Management**

Carolyn C. Meltzer, MD*

Cultural Reengineering

Satoshi Minoshima, MD, PhD*

Disruptive Innovation

Alexander M. Norbash, MD*

LEARNING OBJECTIVES

1) Explain the constituent elements in an organizational development plan. 2) Describe the history, evolution, and objectives of organizational development planning. 3) Discuss the potential roles that radiology can play in organizational development plans as an innovation engine, as a champion of change, and as an expert in process improvement.

Friday 10:30 AM-12:00 PM**Session No. 415**
AUR Academic Faculty Development Program (closed program)
(supported by the American Roentgen Ray Society)

AMA PRA Category 1 Credits™: 1.50

Richard B. Gunderman, MD, PhD, Moderator
Johan G. Blickman, MD, PhD, Moderator
Rathan M. Subramaniam, MD, PhD, MPH*, Moderator
Stanley Baum, MD, Moderator
Felix S. Chew, MD, MBA, Moderator
Beth G. McFarland, MD*, Moderator**LEARNING OBJECTIVES**

1) Enumerate the key missions of an academic radiologist. 2) Describe strategies for performing well in each of these missions. 3) Develop a personal plan to enhance excellence as an academic radiologist.

A. Break-out Session 1 (10:30-11:15 AM)**B. Break-out Session 2 (11:15 AM-12:00 PM)****Friday 12:00-12:30 PM****AMSCR Business Meeting • Room: Balcony L****Friday 12:00-12:30 PM****AUR Innovations Program Lunch • Room: Bissonet****Friday 12:00-1:30 PM****Session No. 416**
AUR Academic Faculty Development Program (closed program):
Lunch and Keynote Address: What They Never Taught Us in
Residency (supported by the American Roentgen Ray Society)

AMA PRA Category 1 Credits™: 1.50



Richard B. Gunderman, MD, PhD

LEARNING OBJECTIVES

1) Enumerate the key missions of an academic radiologist. 2) Describe strategies for performing well in each of these missions. 3) Develop a personal plan to enhance excellence as an academic radiologist.

Friday 12:00-1:45 PM**SCARD Business Meeting and Luncheon •**
Room: Mardi Gras Ballroom E**Friday 12:30-2:30 PM****Session No. 417 • Room: Bissonet**
AUR Innovations in Academic Radiology Program: Imaging and
Teamwork

AMA PRA Category 1 Credits™: 2.00

Pablo R. Ros, MD, MPH*, Program Chair
James V. Rawson, MD, Course Director**LEARNING OBJECTIVES**

1) Define teams and teamwork. 2) Explain the roles of residents and faculty in teams. 3) Discuss the opportunity for radiologists to use teams to improve the clinical, education, and research missions of academic radiology.

A. Principles of Teamwork in Health Care (12:30-12:45 PM)

Norman B. Thomson III, MD, MBA*

LEARNING OBJECTIVES

1) Discuss the evolution of health care from an individual to a team activity. 2) Explain the differences between groups and teams. 3) Identify key teamwork principles. 4) Describe the characteristics of highly functioning teams and applications to health care. 5) Discuss the barriers and opportunities to development of health care teams.

B. Virtual Teams and Communities (12:45-1:00 PM)

C. Matthew Hawkins, MD

LEARNING OBJECTIVES

1) Compare and assess the differences in how leaders must operate when leading virtual teams versus more traditional settings. 2) Identify the important factors associated with premeeting preparations when leading virtual teams. 3) Discuss and critique the benefits of virtual communities and their ability to span geographic and ideological boundaries.

C. "Flipped" Classroom (1:00-1:15 PM)

Janet A. Munroe, MD

D. Q&A (1:15-1:20 PM)**E. Translational, Interdisciplinary, and Interinstitutional Research**
Teams (1:20-1:40 PM)

Robert C. Gilkeson, MD*

F. Q&A (1:40-1:45 PM)**G. Team Radiology: Interdisciplinary Decision Support (1:45-2:00 PM)**

Ramin Khorasani, MD, MPH*

H. Keynote: High-performing Teams (2:00-2:25 PM)

James V. Rawson, MD

I. Q&A (2:25-2:30 PM)



Friday 1:30-3:30 PM

Session No. 419

AUR Academic Faculty Development Program (closed program) (supported by the American Roentgen Ray Society)

AMA PRA Category 1 Credits™: 2.00



LEARNING OBJECTIVES

1) Enumerate the key missions of an academic radiologist. 2) Describe strategies for performing well in each of these missions. 3) Develop a personal plan to enhance excellence as an academic radiologist.

A. Career Development Awards (1:30-2:00 PM)

Rathan M. Subramaniam, MD, PhD, MPH*

B. Service to Radiology Organizations (2:00-2:30 PM)

C. Matthew Hawkins, MD

C. Midcareer Roundtable: How to Attain and Maintain Academic Productivity (2:30-3:30 PM)

Richard B. Gunderman, MD, PhD, Moderator

Aine M. Kelly, MD, MS

Eric J. Stern, MD

Friday 1:30-4:00 PM

Session No. 418 • Room: Mardi Gras Ballroom D Teaching Certificate Program: Hot Topics in Radiology Education

AMA PRA Category 1 Credits™: 2.50



Lori A. Deitte, MD, Moderator
Kedar Jambhekar, MD, Moderator
Michael B. Sneider, MD, Moderator
Biren A. Shah, MD*, Moderator
Harprit S. Bedi, MD, Moderator

LEARNING OBJECTIVES

1) Assess and discuss the latest innovations in radiology education. 2) Utilize teaching techniques aimed at engaging learners. 3) Describe strategies for writing good multiple-choice questions. 4) Discuss ways to prepare for Clinical Learning Environment Review (CLER) visits and ways to assess entrustable professional activities (EPAs).

A. Millennial Learners: Is There a Role for Didactic Lecture? (1:30-2:00 PM)

Lonie R. Salkowski, MD

B. Q&A (2:00-2:15 PM)

C. Innovation in Education (2:15-3:00 PM)

The Blended Curriculum (2:15-2:30 PM)

Harprit S. Bedi, MD

Top Technology Tips for Your Educational Toolkit (2:30-2:45 PM)

Janet R. Reid, MD

LEARNING OBJECTIVES

1) Locate at least three top knowledge and reference sites on the Internet. 2) Give a definition for microlearning. 3) Set up and adopt a reference management system to organize and build a learning repository.

Creating Good Multiple-choice Questions: Tips and Traps (2:45-3:00 PM)

David J. DiSantis, MD

D. Q&A (3:00-3:15 PM)

E. On the Horizon: Clinical Learning Environment Review, Entrustable Professional Activities, and More! (3:15-3:45 PM)

What's Clear about CLER (3:15-3:30 PM)

Lawrence P. Davis, MD

LEARNING OBJECTIVES

1) Discuss the purpose and rationale for the Clinical Learning Environment Review (CLER) program. 2) Categorize the six focus areas of the CLER program. 3) Describe the types of questions that may be asked during the CLER site visit. 4) Explain the CLER site visit logistics.

Entrustable Professional Activities: What's Next? (3:30-3:45 PM)

Lori A. Deitte, MD

LEARNING OBJECTIVES

1) Describe how entrustable professional activities (EPAs) relate to the milestones. 2) Discuss ways to assess EPAs.

F. Q&A (3:45-4:00 PM)

Friday 4:00-4:30 PM

Session No. 420

AUR Academic Faculty Development Program (closed program): Putting It All Together: The Pursuit of Excellence (supported by the American Roentgen Ray Society)

AMA PRA Category 1 Credit™: .50



Richard B. Gunderman, MD, PhD

LEARNING OBJECTIVES

1) Enumerate the key missions of an academic radiologist. 2) Describe strategies for performing well in each of these missions. 3) Develop a personal plan to enhance excellence as an academic radiologist.

Friday 6:30-7:30 PM

Annual Banquet Cocktail Reception • Room: Grand Ballroom Foyer

Friday 7:30-10:00 PM

Annual Banquet and Awards Ceremony • Room: Bissonet



General Information

CME Information

Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Radiological Society of North America (RSNA) and the Association of University Radiologists. The RSNA is accredited by the ACCME to provide continuing medical education for physicians.

Content Codes

To better help the participants of this CME activity organize their CME records, two-letter content codes have been indicated throughout the program. The key to the codes follows:

- BR** Breast (Imaging and Interventional)
- CA** Cardiac Radiology
- CH** Chest Radiology
- CT** Computed Tomography
- ED** Education
- GI** Gastrointestinal Radiology
- GU** Genitourinary Radiology
- HP** Health Policy
- IN** Informatics
- IR** Interventional
- LM** Leadership & Management
- MK** Musculoskeletal Radiology
- MR** Magnetic Resonance Imaging
- NM** Nuclear Medicine
- NR** Neuroradiology
- OT** Other
- PD** Pediatric Radiology
- PR** Professionalism (including Ethics)
- RS** Research and Statistical Methods
- SQ** Safety & Quality
- US** Ultrasound