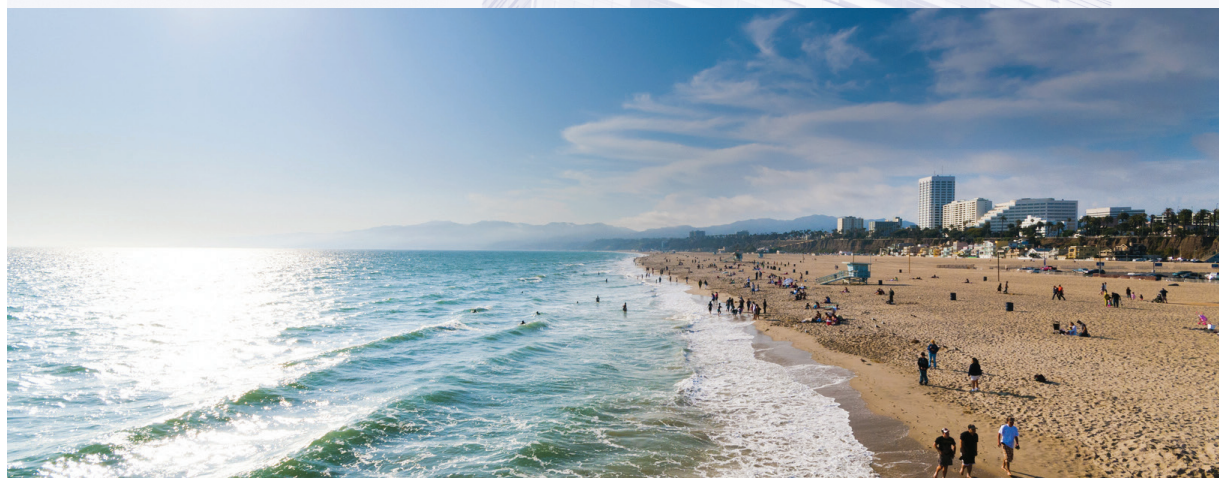




# JOIN US

APRIL 17-22, 2016

LOS ANGELES  
OR ONLINE



REGISTRATION INFORMATION

# Where Top Radiologists COME TO LEARN

CAN'T COME TO LOS ANGELES? PARTICIPATE ONLINE WITH THE VIRTUAL MEETING.





## IMPORTANT DEADLINES

EARLY-BIRD REGISTRATION: **FEBRUARY 5**

ANNUAL MEETING PRE-REGISTRATION: **MARCH 18**

HOTEL RESERVATION: **MARCH 18**

VIRTUAL MEETING REGISTRATION: **APRIL 1**

## MEETING REGISTRATION

**REGISTER BY THE EARLY-BIRD DEADLINE, FEBRUARY 5, TO RECEIVE THE LOWEST RATES! AFTER THIS DATE, THE REGULAR PRE-REGISTRATION RATES WILL APPLY.**

## REGISTER

**ONLINE:** [WWW.ARRS.ORG/MEETING](http://WWW.ARRS.ORG/MEETING)

**BY FAX** 703-729-4839

### BY MAIL

ARRS, PO BOX 418863, BOSTON, MA 02125-8863

### QUESTIONS?

PHONE: 866-940-2777 OR 703-729-3353

EMAIL: [MEETING@ARRS.ORG](mailto:MEETING@ARRS.ORG)

OFFICE HOURS: MONDAY–FRIDAY  
8:30 AM–5:00 PM  
EASTERN TIME ZONE



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The American Roentgen Ray Society (ARRS) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education activities for physicians.

The ARRS designates this live activity for a maximum of 49 AMA PRA Category 1 Credit(s)™ and 46.5 SAM credits. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Additional credits can be earned through Electronic Exhibits.



**EARN** up to **70 CME** and  
**46.5 SAM CREDITS**

**ATTEND** the  
**CATEGORICAL COURSE**—  
Oncologic Imaging: From Diagnosis to Cure

**SELECT** from **145 SESSIONS**  
across the spectrum of radiology

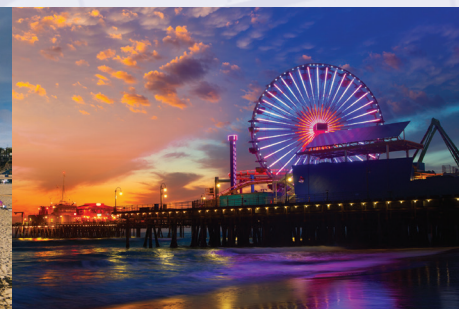
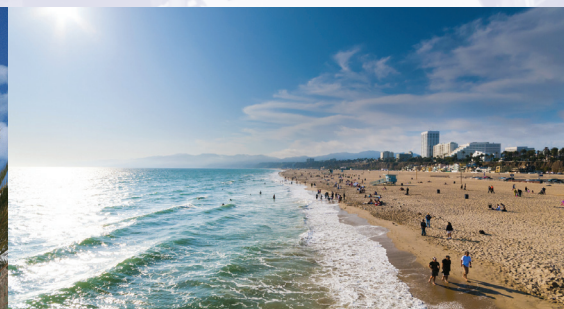
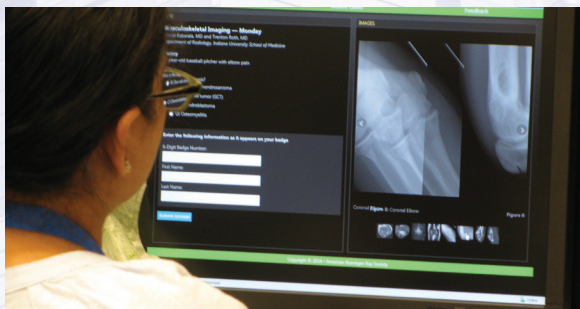
**HONE** your diagnostic skills with the  
**CASE-BASED IMAGING  
REVIEW COURSE**

**ACCESS HUNDREDS** of  
**ELECTRONIC EXHIBITS**

## VISIT A TREND-SETTING METROPOLIS

Join us in Los Angeles and explore rich cultural attractions and endless nightlife entertainment. The meeting will take place in the heart of the entertainment district, LA Live, which surrounds the Staples Center and features music venues, night clubs, restaurants, museums, and theaters. Don't miss these attractions:

- Walk the historic Santa Monica Pier.
- Relax on one of LA's many beaches, from Malibu to South Bay.
- Eat from a variety of fine cuisine found all around the LA area, from Chinatown restaurants to Grand Central Market in downtown LA.
- Visit the renowned Los Angeles Zoo, home to 1,100 animals.



## CAN'T COME TO LOS ANGELES?

PARTICIPATE ONLINE WITH THE VIRTUAL MEETING.

The Virtual Meeting will present online, live streaming of the complete Annual Meeting program—in *real time*.

Virtual Meeting attendees can earn CME and SAM credits, access Electronic Exhibits, and interact with faculty online.

**Learn more on page 15.**

**“We are known for giving great education  
that the members can take back and  
implement immediately into their practices.”**

—MELISSA ROSADO DE CHRISTENSON, MD

## SCHEDULE AT A GLANCE

With educational activities across the spectrum of radiology, the ARRS Annual Meeting will provide an in-depth learning experience for all medical imaging professionals.

**See the comprehensive Daily Schedule on pages 17–21.**

|                               | 7AM         |  |                                                                             | 8AM |                       |                     | 9AM |                   |  | 10AM                                                                   |                                                                             |                     | 11AM |  |  |  |
|-------------------------------|-------------|--|-----------------------------------------------------------------------------|-----|-----------------------|---------------------|-----|-------------------|--|------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|------|--|--|--|
| <b>Sunday<br/>April 17</b>    |             |  | Education Seminar: Clinical Faculty Development                             |     |                       |                     |     |                   |  |                                                                        |                                                                             |                     |      |  |  |  |
|                               |             |  | Categorical Course—Oncologic Imaging:<br>From Diagnosis to Cure—See Page 10 |     |                       |                     |     |                   |  |                                                                        | Categorical Course—Oncologic Imaging:<br>From Diagnosis to Cure—See Page 10 |                     |      |  |  |  |
|                               |             |  | Clinical Physics: MRI and Ultrasound                                        |     |                       |                     |     |                   |  |                                                                        | Clinical Physics: CT, Nuclear Medicine, and PET-CT                          |                     |      |  |  |  |
|                               |             |  |                                                                             |     |                       |                     |     |                   |  | Business Seminar: External Factors Impacting the Practice of Radiology |                                                                             |                     |      |  |  |  |
|                               |             |  |                                                                             |     |                       |                     |     | Beverage<br>Break |  |                                                                        |                                                                             |                     |      |  |  |  |
| <b>Monday<br/>April 18</b>    | Power Hours |  |                                                                             |     |                       | Scientific Sessions |     |                   |  |                                                                        |                                                                             | Scientific Sessions |      |  |  |  |
|                               |             |  | Categorical Course—Oncologic Imaging:<br>From Diagnosis to Cure—See Page 10 |     |                       |                     |     |                   |  |                                                                        | Categorical Course—Oncologic Imaging:<br>From Diagnosis to Cure—See Page 10 |                     |      |  |  |  |
|                               |             |  |                                                                             |     | Instructional Courses |                     |     |                   |  |                                                                        | Instructional Courses                                                       |                     |      |  |  |  |
|                               |             |  |                                                                             |     |                       |                     |     | Beverage<br>Break |  |                                                                        |                                                                             |                     |      |  |  |  |
| <b>Tuesday<br/>April 19</b>   | Power Hours |  |                                                                             |     |                       | Scientific Sessions |     |                   |  |                                                                        |                                                                             | Scientific Sessions |      |  |  |  |
|                               |             |  | Categorical Course—Oncologic Imaging:<br>From Diagnosis to Cure—See Page 10 |     |                       |                     |     |                   |  |                                                                        | Categorical Course—Oncologic Imaging:<br>From Diagnosis to Cure—See Page 10 |                     |      |  |  |  |
|                               |             |  |                                                                             |     | Instructional Courses |                     |     |                   |  |                                                                        | ABR Core Exam Experience                                                    |                     |      |  |  |  |
|                               |             |  |                                                                             |     | Instructional Courses |                     |     |                   |  |                                                                        | Instructional Courses                                                       |                     |      |  |  |  |
|                               |             |  |                                                                             |     |                       |                     |     | Beverage<br>Break |  |                                                                        |                                                                             |                     |      |  |  |  |
| <b>Wednesday<br/>April 20</b> | Power Hours |  |                                                                             |     |                       | Scientific Sessions |     |                   |  |                                                                        |                                                                             | Scientific Sessions |      |  |  |  |
|                               |             |  |                                                                             |     | Instructional Courses |                     |     |                   |  |                                                                        | Instructional Courses                                                       |                     |      |  |  |  |
|                               |             |  |                                                                             |     |                       |                     |     | Beverage<br>Break |  |                                                                        |                                                                             |                     |      |  |  |  |
|                               |             |  | Approach to Diagnosis: A Case-Based Imaging<br>Review Course—See page 12    |     |                       |                     |     |                   |  |                                                                        | Approach to Diagnosis: A Case-Based Imaging<br>Review Course—See page 12    |                     |      |  |  |  |
| <b>Thursday<br/>April 21</b>  | Power Hours |  |                                                                             |     |                       | Scientific Sessions |     |                   |  |                                                                        |                                                                             | Scientific Sessions |      |  |  |  |
|                               |             |  |                                                                             |     | Instructional Courses |                     |     |                   |  |                                                                        | Instructional Courses                                                       |                     |      |  |  |  |
|                               |             |  |                                                                             |     |                       |                     |     | Beverage<br>Break |  |                                                                        |                                                                             |                     |      |  |  |  |
|                               |             |  | Approach to Diagnosis: A Case-Based Imaging<br>Review Course—See page 12    |     |                       |                     |     |                   |  |                                                                        | Approach to Diagnosis: A Case-Based Imaging<br>Review Course—See page 12    |                     |      |  |  |  |
| <b>Friday<br/>April 22</b>    | Power Hours |  |                                                                             |     |                       | Scientific Sessions |     |                   |  |                                                                        |                                                                             | Scientific Sessions |      |  |  |  |
|                               |             |  |                                                                             |     | Instructional Courses |                     |     |                   |  |                                                                        | Instructional Courses                                                       |                     |      |  |  |  |
|                               |             |  |                                                                             |     |                       |                     |     | Beverage<br>Break |  |                                                                        |                                                                             |                     |      |  |  |  |
|                               |             |  | Approach to Diagnosis: A Case-Based Imaging<br>Review Course—See page 12    |     |                       |                     |     |                   |  |                                                                        | Approach to Diagnosis: A Case-Based Imaging<br>Review Course—See page 12    |                     |      |  |  |  |



| 12 Noon                                                                       | 1PM                                                                         | 2PM                   | 3PM               | 4PM                                                                         | 5PM         | 6PM                |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------|-------------------|-----------------------------------------------------------------------------|-------------|--------------------|
|                                                                               | Controversies and Concepts in Hip, Pelvis Imaging                           |                       |                   |                                                                             |             |                    |
|                                                                               | Categorical Course—Oncologic Imaging:<br>From Diagnosis to Cure—See Page 10 |                       |                   | Categorical Course—Oncologic Imaging:<br>From Diagnosis to Cure—See Page 10 |             |                    |
|                                                                               |                                                                             |                       |                   | Radiology Year in Review                                                    |             |                    |
|                                                                               | Quality and Safety in Radiology: The Basics                                 |                       | Beverage<br>Break | Quality and Safety: Advanced Topics and Examples                            |             | Opening Ceremonies |
|                                                                               |                                                                             | Scientific Sessions   |                   |                                                                             | SRS Program |                    |
|                                                                               | Categorical Course—Oncologic Imaging:<br>From Diagnosis to Cure—See Page 10 |                       |                   | Categorical Course—Oncologic Imaging:<br>From Diagnosis to Cure—See Page 10 |             |                    |
|                                                                               |                                                                             | Instructional Courses |                   | Instructional Courses                                                       |             |                    |
| Lunch in Connection Quad                                                      |                                                                             |                       | Beverage<br>Break |                                                                             |             |                    |
|                                                                               |                                                                             | Scientific Sessions   |                   |                                                                             |             |                    |
|                                                                               | Approach to Diagnosis: A Case-Based Imaging<br>Review Course—See page 12    |                       |                   |                                                                             |             |                    |
|                                                                               |                                                                             | Instructional Courses |                   | Instructional Courses                                                       |             |                    |
| Lunch in Connection Quad                                                      |                                                                             |                       | Beverage<br>Break |                                                                             |             |                    |
|                                                                               |                                                                             | Scientific Sessions   |                   |                                                                             |             |                    |
|                                                                               |                                                                             | Instructional Courses |                   | Instructional Courses                                                       |             |                    |
| Lunch in Connection Quad                                                      |                                                                             |                       | Beverage<br>Break |                                                                             |             |                    |
|                                                                               | Approach to Diagnosis: A Case-Based Imaging<br>Review Course—See page 12    |                       |                   | Approach to Diagnosis: A Case-Based Imaging<br>Review Course—See page 12    |             |                    |
|                                                                               |                                                                             | Scientific Sessions   |                   | Scientific Sessions                                                         |             |                    |
|                                                                               |                                                                             | Instructional Courses |                   | Instructional Courses                                                       |             |                    |
| Lunch in Connection Quad                                                      |                                                                             |                       | Beverage<br>Break |                                                                             |             |                    |
|                                                                               | Approach to Diagnosis: A Case-Based Imaging<br>Review Course—See page 12    |                       |                   | Approach to Diagnosis: A Case-Based Imaging<br>Review Course—See page 12    |             |                    |
| “Outstanding lectures across the spectrum of radiology.”<br>— J.T.ANDREWS, MD |                                                                             |                       |                   |                                                                             |             |                    |



## MEETING OVERVIEW



The Annual Meeting will take place at the Los Angeles Convention Center, located in the heart of the entertainment district, LA Live. ARRS has secured a block of discounted hotel rooms at the JW Marriott (headquarters hotel),



the Ritz-Carlton (with limited availability), the Courtyard, and Residence Inn. All the hotels are located in LA Live and within walking distance to the convention center.

### LEARNING OUTCOMES

- Synthesize science and clinical case information into comprehension of the practice and science of radiology.
- Explain future directions in radiological imaging and patient therapy using the latest research and clinical perspectives.
- Describe the latest indications and applications of imaging techniques and their impact on patient care.
- Determine practice-based strategies for mitigating errors and improving patient safety.
- Identify clinical and noninterpretive skills content that is applicable to practice performance improvement.
- Evaluate the role and value of the radiologist in the diagnosis and treatment of patients.
- Articulate the current imaging challenges in diagnostic and interventional radiology.

### SUBSPECIALTY TRACKS

- Apply practice-based strategies for optimizing patient outcomes.
- Recognize the imaging and clinical features that allow for refinement of differential diagnosis, allowing for a more specific diagnosis.
- Abdominal Imaging
- Breast Imaging
- Cardiac Imaging
- Chest Imaging
- Emergency Radiology
- Musculoskeletal Imaging
- Neuroradiology
- Noninterpretive Skills
- Nuclear Medicine
- Pediatric Imaging
- Ultrasound
- Vascular and/or Interventional Radiology



## FEATURED EDUCATIONAL TRACKS

### Resident Track

This track will highlight content of particular value to in-training radiologists and will represent a variety of subspecialty domains, noninterpretive skills, and physics.

### Noninterpretive Skills

This track will highlight content of critical importance to physicians who are seeking how to interpret the noninterpretive skills portions of the new American Board of Radiology Board Exams. It will

also help physicians address patient safety, ethics, performance improvement, and regulatory challenges.



The ARRS Annual Meeting offers courses that are approved as part of the Academy of Radiology Leadership and Management Program (ARLM). Find approved ARLM courses at [www.arrs.org/meeting](http://www.arrs.org/meeting).

**“You’ve got meetings or organizations that are purely researched-based or others that are purely education-based. This is the best of both worlds.”**

—FAISAL KHOSA, MD

## EDUCATIONAL CREDIT INFORMATION

### CONTINUING MEDICAL EDUCATION (CME) CREDITS

ARRS is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education activities for physicians. ARRS has received the highest level of accreditation, Accreditation with Commendation.

ARRS designates this live educational activity for a maximum 49 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Additional credits can be earned through Electronic Exhibits.

### American Board of Radiology

ARRS has “Deemed Status” with the American Board of Radiology (ABR) Maintenance of Certification Program.

Certain activities in this meeting are also qualified by the American Board of Radiology in meeting the criteria for self-assessment toward the purpose of fulfilling requirements in the ABR Maintenance of Certification Program.



### SAM Credits

SAM credits and SA-CME credits both fulfill MOC Part II requirements for the ABR. The 2016 Annual Meeting offers both SAM and SA-CME credits to give attendees the maximum possible credits for Part II requirements. Our live courses that offer Part II credit are marked in the schedule as SAMs.

This meeting offers 46.5 hours of SAM credit through courses, and select Electronic Exhibits offer SA-CME credit.

### INTERNATIONAL CONTINUING EDUCATION CREDITS

#### European Union and European Union of Medical Specialists

European physicians can earn their ECMEC®s by attending the ARRS 2016 Annual Meeting, a live event that has been certified for *AMA PRA Category 1 Credits™*. The *UEMS-EACCME®* and the AMA have recognized each other's CME credits since 2000. European physicians attending a USA-accredited event will have their credits recognized in Europe.

#### Royal College of Physicians and Surgeons of Canada

Through an agreement between the Royal College of Physicians and Surgeons of Canada and the American Medical

Association, physicians may convert *AMA PRA Category 1 Credits™* to Royal College MOC Section 1 credits for live face-to-face learning.

#### Royal Australian and New Zealand College of Radiologists (RANZCR)

ARRS is an authorized CPD provider for imaging/conferences. 1 *AMA PRA Category 1 Credit™* is equivalent to 1 RANZCR CPD Point and can be claimed in the RANZCR Clinical Radiology CPD Program.



## FEATURED EVENTS

### EDUCATION SEMINAR: Clinical Faculty Development

Sunday, April 17, 7:30 am–9:30 am

Gain efficiency and develop new methods for your classroom. This seminar will focus on areas essential for clinical faculty development, including time and resource management, practice quality improvement, and practice management.

### BUSINESS SEMINAR: External Factors Impacting Radiology Practice

Sunday, April 17, 10:00 am–12:00 noon

Learn how specific Federal laws will impact the practice of radiology reimbursement, how to identify high-deductible insurance plans that change how patients choose their provider, how to avoid pitfalls in implementing clinical decision support, and more.



### Controversies and Concepts in Hip and Pelvis Imaging

*Presented in Cooperation with the Society of Skeletal Radiology*  
Sunday, April 17, 1:00 pm–3:00 pm

Gain insights into established and new concepts on pathology of the hip and pelvis, including essential pitfalls and post-operative findings.

### Radiology Year in Review

Sunday, April 17, 3:30 pm–4:30 pm

With the growing number of radiology journals as well as the increasing complexity of radiologists' practices, staying on top of the latest peer-reviewed literature can be challenging. Discover the most note-worthy and must-read articles in radiology from key journals over the past year—across the spectrum of radiology.

### SRS PROGRAM: Vignettes of American Neuro: Heroes and Villains

Monday, April 18, 5:00 pm–5:45 pm

Hear about the history of neuroradiology from Anton Hasso, MD. *CME credit is not provided for this session.*

### ABR Core Exam Experience: How to Prepare

Tuesday, April 19, 10:30 am–12:00 noon

Three residents who have successfully completed the new ABR Diagnostic Radiology Core exam will share the best resources for studying and present practical advice to prepare and take the Core exam.

## MULTI-DAY COURSES

Due to the nature and granularity of these courses, a separate registration fee is required.

### 2016 CATEGORICAL COURSE

#### Oncologic Imaging: From Diagnosis to Cure Sunday, April 17–Tuesday, April 19

This course covers the breadth and depth of the field of oncologic imaging, in a wide range of subspecialties.

**See page 10-11 for detailed information on this course.**

#### APPROACH TO DIAGNOSIS: A CASE-BASED IMAGING REVIEW COURSE

Tuesday, April 19–Friday, April 22

Featuring 176 case reviews and eleven didactic lectures, this unique Review Course takes a more in-depth approach to case-based learning.

**See page 12-13 for detailed information on this course.**



## QUALITY AND SAFETY IN RADIOLOGY PARTS I AND II

In the current era of accountable care, or “value”-centered care, radiologists are pressed to demonstrate the value you bring to the clinical enterprise. Make sure you are prepared to thrive in the new era by arming yourself with noninterpretive Quality and Safety skills and knowledge.

### Part I: The Basics

Sunday, April 17, 1:00 pm–3:00 pm

Gain basic knowledge of the history and aims of the Quality and Safety movement, the terminology, definitions, and methods—and understand its role in organizational culture.

### Part II: Advanced Topics and Examples

Sunday, April 17, 3:30 pm–5:30 pm

Develop your expertise in Quality and Safety and gain the knowledge to design and conduct a Quality and Safety initiative from start to finish.

## CLINICAL PHYSICS PARTS I AND II

This two-part course will provide insights into how radiologic images are created, as well as essential clinical information to enhance your diagnostic performance and confidence.

### Part I: MRI and Ultrasound

Sunday, April 17, 7:30 am–9:30 am

Part I will present common MRI and ultrasound artifacts. Learn how and why they are present and demonstrate how they can be used to better understand physiologic processes in the body.

### Part II: CT, Nuclear Medicine, and PET-CT

Sunday, April 17, 10:00 am–12:00 noon

Part II will present common PET-CT, nuclear medicine, and CT artifacts. Learn how and why they are present and how they can be used to better understand physiologic processes in the body.



## ARRS GLOBAL EXCHANGE

ARRS is honored to present the Global Exchange featuring Australia and New Zealand.

*Learn more about the  
Global Exchange at  
[www.arrs.org/meeting](http://www.arrs.org/meeting).*





# CATEGORICAL COURSE

## ONCOLOGIC IMAGING: FROM DIAGNOSIS TO CURE

Sunday, April 17–Tuesday, April 19

This multi-day course covers the breadth and depth of the field of oncologic imaging, in a wide range of subspecialties. Designed to deal with patients who have suspected or confirmed cancer, before and after treatment, the course will include:

- State of the art oncologic imaging techniques
- Diagnosis and staging of major cancer, in particular what the surgeon and oncologist need to know
- Best practice for interventional procedures in oncology, including biopsy, embolization, and ablation
- Optimal use of advanced techniques, including functional MRI and CT techniques
- Clinical practice guidelines, peer-reviewed data, and expert suggestions for best practice in image interpretation and communication

### Learning Outcomes

Upon completion of this course, participants will possess the knowledge and skills to:

- Diagnose and stage important cancers.
- Give a differential diagnosis, when necessary, and suggest the best management strategy.
- Apply practice-based strategies for optimizing patient outcomes.
- Describe systems barriers to improving diagnoses and patient outcomes.
- Articulate differential diagnoses and suggest the best management strategy.



### Registration

Due to the nature and granularity of this course, a separate registration fee is required in addition to your general registration fee.

| Additional Registration Fees | ARRS Member | Nonmember |
|------------------------------|-------------|-----------|
| Categorical Course and Book  | \$205       | \$405     |

### Included With

### Course Registration

Each registrant will receive the accompanying book, featuring a chapter for each scheduled presentation.



# CATEGORICAL COURSE SCHEDULE

**COURSE DIRECTORS:** Angelisa M. Paladin, MD, Christine O. Menias, MD, Kumar Sandrasegaran, MD

| SUNDAY, APRIL 17                                                                           |                        |
|--------------------------------------------------------------------------------------------|------------------------|
| 7:30 AM–9:30 AM CHEST IMAGING                                                              |                        |
| Lung Cancer Screening                                                                      | F. Fintelmann, MD      |
| Lung Cancer Staging: What Surgeon Needs to Know                                            | B. Carter, MD          |
| Post-Treatment Imaging of Lung Cancer Patient                                              | J. Ko, MD              |
| Lung Biopsies: Patient Selection, Technique, and Complications                             | A. Sharma, MD          |
| Case-Based Review of Lung-RADS                                                             | C. Wu, MD              |
| 10:00 AM–12:00 NOON GASTROINTESTINAL IMAGING                                               |                        |
| Masses in Non-Cirrhotic Liver: Sorting Wheat From Chaff                                    | R. Nelson, MD          |
| Hepatocellular Cancer: What You Need to Include in the Report                              | C. Sirlin, MD          |
| Pancreas Cancer: What You Need to Include in the Report                                    | E. Tamm, MD            |
| Colorectal Cancer Screening: CT Colonography Interpretation Basics and Pitfalls            | D. Kim, MD             |
| Rectal Carcinoma: How Can We Help the Surgeon?                                             | K. Jhaveri, MD         |
| 1:00 PM–3:00 PM MUSCULOSKELETAL IMAGING                                                    |                        |
| Osseous Tumors: Tips for Narrowing the Differential                                        | L. Bancroft, MD        |
| Marrow Diseases                                                                            | L. Fayad, MD           |
| Musculoskeletal Tumor Staging: What the Oncologists Want to Know                           | M. Murphey, MD         |
| Post-Treatment MRI of Soft Tissue Tumors: What Do the Oncologist and Surgeon Want to Know? | D. Panicek, MD         |
| There is a Lesion: What Do I Do Now? Tips/Tricks to Biopsy                                 | J. Peterson, MD        |
| 3:30 PM–5:30 PM GYNECOLOGY                                                                 |                        |
| Uterine Cancer: Diagnosis and Staging                                                      | D. Wolfman, MD         |
| Adnexal Masses: Ignore, Follow, or Treat?                                                  | D. Baumgarten, MD, MPH |
| Defining Tumor Spread and Treatment Planning in Ovarian Cancer?                            | S. Lee, MD             |
| Radiation Therapy Planning of Gynecologic Oncology: What a Radiologist Needs to Know       | K. Maturen, MD         |
| Role of PET in GYN Oncology                                                                | S. Shah, MD            |

| MONDAY, APRIL 18                                                                     |                                 |
|--------------------------------------------------------------------------------------|---------------------------------|
| 7:30 AM–9:30 AM NEURORADIOLOGY                                                       |                                 |
| Imaging of Brain Tumor: Pearls and Pitfalls                                          | C. Torres, MD                   |
| Post-Therapy Evaluation of Brain Tumors: Pseudo Progression and Pseudo Response      | K. Vo, MD                       |
| Imaging of Spinal Tumors: What the Surgeon and the Radiation Oncologist Want to Know | M. Law, MD, MBBS                |
| Head and Neck Tumors: Pearls and Pitfalls                                            | T. Kennedy, MD                  |
| Mimics of Brain Tumors                                                               | G. Fatterpekar, MBBS, DMRD, DNB |
| 10:00 AM–12:00 NOON PEDIATRIC IMAGING                                                |                                 |
| Neuroblastoma Updates                                                                | M. Parisi, MD                   |
| High-Grade Brain Tumor Follow-up Imaging: Tricks for Diagnosis                       | D. Shaw, MD                     |
| Top 5 Pediatric Tumors and What the Oncologist Wants to Know                         | J. Reid, MD                     |
| Role For Whole Body DWI versus PET-CT                                                | J. Courtier, MD                 |
| Challenging Cases in Pediatric Oncology                                              | J. Coleman, MD                  |
| 1:00 PM–3:00 PM URINARY IMAGING                                                      |                                 |
| Controversies in Renal Cell Carcinoma                                                | J. Leyendecker, MD              |
| Approaches to Renal Cell Carcinoma Treatment: What's in Our Toolbox?                 | E. Remer, MD                    |
| Upper and Lower Tract Urothelial and Other Malignancies                              | P. Nikolaidis, MD               |
| How to Build an MR Prostate Practice                                                 | R. Gupta, MD                    |
| Challenging Cases in Genitourinary Oncology/ Prostate Imaging                        | S. Verma, MD                    |
| 3:30 PM–5:30 PM BREAST IMAGING                                                       |                                 |
| Breast Cancer Screening                                                              | J. Leung, MD                    |
| Digital Breast Tomosynthesis: Evidence and Cost-Effectiveness                        | M. Elezaby, MD                  |
| DCIS and High Risk Lesions: Challenges and Opportunities                             | H. Rahbar, MD                   |
| Supplemental Screening for Women with Dense Breasts                                  | J. Sung, MD                     |
| Challenging Cases in Breast Imaging                                                  | C. Appleton, MD                 |

| TUESDAY, APRIL 19                                                          |                   |
|----------------------------------------------------------------------------|-------------------|
| 7:30 AM–9:30 AM GENERAL RADIOLOGY                                          |                   |
| Pitfalls in Oncologic PET-CT                                               | D. Yoo, MD        |
| Imaging of Complications Related to Oncologic Therapy                      | P. Pickhardt, MD  |
| Assessment of Solid Tumor Response to Therapy: Current Standards           | V. Yaghmai, MD    |
| Functional MRI Techniques for Assessing Tumor Response                     | H. Chandarana, MD |
| Functional CT Techniques for Tumor Assessment: Texture Analysis, Volumetry | M. Lubner, MD     |
| 10:00 AM–12:00 NOON VASCULAR AND INTERVENTIONAL RADIOLOGY                  |                   |
| Percutaneous Biopsy: Tips, Tricks, and Future Trends                       | S. Naidu, MD      |
| Image-Guided Ablation                                                      | B. Majdalany, MD  |
| Intra-Arterial Liver Therapies: A Review of Current Technology             | M. Ahmed, MD      |
| Imaging Following Loco-Regional Liver Therapy                              | A. Kielar, MD     |
| Complications in Interventional Oncology                                   | M. Gipson, MD     |

**“It’s really unlike any other meeting I’ve been to.”**  
—CHRISTOPHER STRAUS, MD



# AN APPROACH TO DIAGNOSIS A CASE-BASED IMAGING REVIEW COURSE

Tuesday, April 19–Friday, April 22

This unique Review Course takes a more in-depth approach to case-based learning, allowing you to gain deeper insights into each subspecialty while honing your diagnostic skills. In addition to 176 traditional case reviews, the course features 11 didactic lectures across multiple subspecialties and includes noninterpretive topics in physics, management, and quality. Each case will be illustrated with other diagnoses in an attempt to emphasize the thought process leading to the correct answer; and each subspecialty will include diagnoses that are essential to a modern practice. With a focus on approach, the practicing physician should be able to see key differential diagnoses in each area.

## Learning Outcomes

Upon completion of this course, participants will possess the knowledge and skills to:

- Develop differential diagnoses for conditions in 11 radiology subspecialties.
- Recognize the imaging and clinical features that allow for refinement of differential diagnosis, allowing for a more specific diagnosis.
- Recognize some commonly encountered imaging artifacts in the subspecialties, describe why they occur, and learn techniques to avoid them.
- Outline management decisions affecting a variety of commonly encountered clinical scenarios.



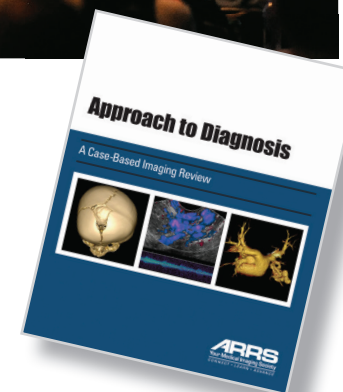
## Registration

Due to the nature and granularity of this course, a separate registration fee is required in addition to your general registration fee.

| Additional Registration Fees | ARRS In-Training Member | ARRS Member | Nonmember |
|------------------------------|-------------------------|-------------|-----------|
| Review Course and Book       | \$105                   | \$205       | \$405     |

## Included With Course Registration

Each registrant will receive the accompanying book, featuring a chapter for each scheduled presentation.



# CASE-BASED IMAGING REVIEW COURSE SCHEDULE

| TUESDAY, APRIL 19                                 |                    |
|---------------------------------------------------|--------------------|
| 1:00 PM–3:00 PM BREAST IMAGING                    |                    |
| Best ARRS Case-Based Breast Imaging               | T. Moseley, MD     |
| RadPath Correlation                               | J. Kohr, MD        |
| Male Breast Cancer and Pregnant Lactating Patient | P. Huynh, MD       |
| Breast MRI                                        | B. Adrada, MD      |
| Breast Masses                                     | M. Elezaby, MD     |
| DBT and Screening Breast US for Dense Breasts     | S. Destounis, MD   |
| Question and Answer                               |                    |
| WEDNESDAY, APRIL 20                               |                    |
| 7:30 AM–9:30 AM CARDIAC IMAGING                   |                    |
| Cardiac Masses                                    | S. Bhalla, MD      |
| Non-Ischemic Disease                              | K. Ordovas, MD     |
| Ischemic Disease                                  | A. Shah, MD        |
| Congenital Disease                                | J. Christensen, MD |
| Vascular                                          | T. Henry, MD       |
| Pericardial Disease                               | K. Cummings, MD    |
| Question and Answer                               |                    |
| 10:00 AM–12:00 NOON GENITOURINARY IMAGING         |                    |
| Renal Calcification: Differential Diagnosis       | M. Heller, MD      |
| Adrenal and Retroperitoneum                       | M. Gulati, MD      |
| Female Pelvis                                     | A. Kielar, MD      |
| Male Pelvis                                       | M. Manning, MD     |
| Kidneys, Ureters, Bladder                         | F. Souza, MD       |
| Dual-Energy CT: Renal Applications                | M. Heller, MD      |
| Question and Answer                               |                    |
| 1:00 PM–3:00 PM GASTROINTESTINAL IMAGING          |                    |
| Small Bowel                                       | P. Liu, MD         |
| Biliary Cases                                     | M. Feldman, BS, MD |
| Stomach and Esophagus                             | N. Hansen, MD      |
| Pancreas                                          | R. O'Malley, MD    |
| Liver                                             | S. Wells, MD       |
| Contemporary Issues in MR Enterography            | P. Liu, MD         |
| Question and Answer                               |                    |

| 3:30 PM–5:30 PM CHEST IMAGING                              |                     |
|------------------------------------------------------------|---------------------|
| Interstitial Lung Disease in Collagen Vascular Disease     | J. Chung, MD        |
| Post-Surgical Cases                                        | S. Hobbs, MD        |
| Infections                                                 | C. Lee, MD          |
| Cystic Lung Disease                                        | C. Cox, MD          |
| Pulmonary Fibrosis                                         | C. Walker, MD       |
| Smoking-Related Lung Disease                               | J. Chung, MD        |
| Question and Answer                                        |                     |
| THURSDAY, APRIL 21                                         |                     |
| 7:30 AM–9:30 AM ULTRASOUND                                 |                     |
| Waveform Recognition in Carotid Doppler                    | S. Bhatt, MD        |
| General Abdomen                                            | N. Dahiya, MD       |
| Gynecologic Ultrasound                                     | S. Bhatt, MD        |
| Vascular Ultrasound                                        | C. Deurdulian, MD   |
| Obstetric Ultrasound                                       | A. Kennedy, MD      |
| Pearls and Pitfalls of Carotid Doppler                     | C. Deurdulian, MD   |
| Question and Answer                                        |                     |
| 10:00 AM–12:00 NOON MUSCULOSKELETAL IMAGING                |                     |
| Dual Energy Computed Tomography in Musculoskeletal Imaging | J. Stephenson, MD   |
| Hands and Feet                                             | D. Wessell, MD, PhD |
| Chest Wall and Abdominopelvic Core                         | J. Baker, MD        |
| Hip to Ankle                                               | J. Pierce, MD       |
| Shoulder to Wrist                                          | A. Huang, MD        |
| Dynamic Assessment Musculoskeletal Ultrasound              | J. Stephenson, MD   |
| Question and Answer                                        |                     |
| 1:00 PM–3:00 PM VASCULAR AND/OR INTERVENTIONAL RADIOLOGY   |                     |
| Update on Endovascular Aneurysm Repair                     | S. Naidu, MD        |
| Arterial                                                   | E. Ignacio, MD      |
| Vascular and Interventional Radiology                      | N. Saad, MD, BCh    |
| Non-Vascular                                               | R. Liddell, MD      |
| Interventional Oncology                                    | J. McKinney, MD     |
| Pulmonary Vascular Interventions                           | S. Naidu, MD        |
| Question and Answer                                        |                     |

| 3:30 PM–5:30 PM NUCLEAR MEDICINE                   |                       |
|----------------------------------------------------|-----------------------|
| Update on Clinical PET-MRI                         | J. McConathy, MD, PhD |
| PET-CT                                             | D. Naeger, MD         |
| Gastrointestinal/Genitourinary Nuclear Medicine    | S. Behr, MD           |
| Endocrine and Thoracic Nuclear Medicine            | V. Aaron, MD          |
| Whole Body Imaging                                 | J. Baldwin, DO        |
| Radionuclide Therapy                               | J. McConathy, MD, PhD |
| Question and Answer                                |                       |
| FRIDAY, APRIL 22                                   |                       |
| 7:30 AM–9:30 AM PEDIATRIC IMAGING                  |                       |
| Dedicated Pediatric Ultrasound for Musculoskeletal | J. Reid, MD           |
| Genitourinary Imaging                              | D. Saul, MD           |
| Gastrointestinal Imaging                           | J. Otjen, MD          |
| Chest                                              | D. Biko, MD           |
| Musculoskeletal                                    | N. Chauvin, MD        |
| Dedicated Pediatric Ultrasound for Bowel           | J. Reid, MD           |
| Question and Answer                                |                       |
| 10:00 AM–12:00 NOON NEURORADIOLOGY                 |                       |
| Basic Approach to Leukodystrophies                 | S. Pruthi, DNB        |
| Spine Cases                                        | F. Minja, MD          |
| ENT Cases                                          | K. Baugnon, MD        |
| Imaging of Lysosomal and Peroxisomal Disorders     | S. Pruthi, DNB        |
| Emergency Neuroradiology                           | K. Fink, MD           |
| Brain Cases                                        | L. Shah, MD           |
| Question and Answer                                |                       |

**COURSE DIRECTORS:** Sanjeev Bhalla, MD, Lonie Salkowski, MD



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ARRS Electronic Exhibits are visual, computer-based presentations across 13 subspecialties. Annual Meeting registrants will have online access to these Exhibits through their own mobile devices, the Meeting App, at computer kiosks, or in the Reading Room. Virtual Meeting registrants will have access online.

Select Electronic Exhibits will be designated for SA-CME and AMA PRA Category 1 Credit™. Attendees seeking CME and SA-CME will be required to complete questions related to the exhibits in order to be eligible.

### Learning Outcomes

- Translate science and clinical case information into a deeper knowledge and comprehension of both the practice and science of radiology.
- Examine and evaluate future directions in radiological imaging and patient therapy from both the latest research and clinical perspectives.
- Apply core diagnostic and image interpretation skills to specific disease conditions.
- Appraise, integrate, and apply evidence from scientific studies related to the health conditions of patients.



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As a Virtual Meeting registrant, you will have access to free session recordings April 29–May 20, 2016, to refresh your knowledge after earning credit. Virtual Meeting participants may only claim credit for the live courses in which they participated.



### Virtual Registration

The early-bird deadline for the Virtual Meeting is Friday, February 5, 2016, and the registration deadline is Friday, April 1, 2016. After April 1, no Virtual Meeting registrations will be accepted.

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- Add on the *Categorical Course—Oncologic Imaging: From Diagnosis to Cure*, which includes an e-book.
- Select from 145 sessions, including Power Hours, Scientific Sessions, and Instructional Courses.
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## CONNECTION QUAD

The Connection Quad is the place to be. It is the central gathering place to network with colleagues and leaders, socialize with friends, discover the latest products and services, eat lunch or grab a beverage, connect with the outside world with your own device or at an internet computer station, and check out the latest ARRS offerings.

## FREE LUNCHES AND BEVERAGE BREAKS

The Connection Quad will feature morning and afternoon beverage breaks, along with lunches, Monday, April 18–Thursday, April 21, so that attendees can make the most of their time and network with industry leaders and professional experts.

## ARRS STORE

Explore the latest products and member benefits available. View demonstrations of new on-demand courses and find out how you can leverage your membership.

## CASE OF THE DAY

Test your knowledge and skill to diagnose 28 cases using this interactive learning tool featured in the Connection Quad.

## CONNECTION QUAD HOURS

Monday, April 18–Wednesday, April 20  
9:15 am–4:00 pm

Thursday, April 21  
9:15 am–1:00 pm



**LUNCH IS ON US!**

# DAILY SCHEDULE



IC=INSTRUCTIONAL COURSE  
SS=SCIENTIFIC SESSION  
PHY=PHYSICS

QS=QUALITY AND SAFETY  
BUS=BUSINESS  
EDU=EDUCATION

## SUNDAY, APRIL 17

7:30 am–9:30 am

### EDU. Education Seminar: Clinical Faculty Development

A. Kelly, M. Bruno, H. Abujudeh, D. Yousem, R. Gunderman  
2 CME, 2 SAM credits **SAM RESIDENT**

### PHY01. Clinical Physics: MRI and Ultrasound

K. Sandrasegaran, W. Weadock, A. Kamaya, T. Desser  
2 CME credits **RESIDENT**

9:30 am–10:00 am

**Beverage Break**

10:00 am–12:00 noon

### BUS. Business Seminar: External Factors Impacting Radiology Practice

B. Tahir, J. Cranny, K. Buckwalter, K. Hentel  
2 CME credits

### PHY02. Clinical Physics: CT, Nuclear Medicine, and PET-CT

J. Matsumoto, R. Kaza, F. Behnia, P. Faulhaber  
2 CME credits **RESIDENT**

12:00 noon–1:00 pm

**Lunch Break**

1:00 pm–3:00 pm

### SSR. Controversies and Concepts in Hip, Pelvis Imaging

D. Blankenbaker, G. Konin, K. Davis, M. Recht, A. Zoga  
2 CME, 2 SAM credits **SAM RESIDENT**

### QS101. Quality and Safety in Radiology: The Basics

E. Walker, H. Abujudeh, N. Kadom  
2 CME credits **RESIDENT**

3:00 pm–3:30 pm

**Beverage Break**

3:30 pm–4:30 pm

### RYS. Radiology Year in Review

A. Rosenkrantz, J. Stojanovska, M. Kransdorf  
1 CME credit **RESIDENT**

3:30 pm–5:30 pm

### QS102. Quality and Safety: Advanced Topics and Examples

M. Bruno, M. Parker, M. Willis, T. Mosher  
2 CME credits

5:45 pm–7:15 pm

**Opening Ceremonies and Member Business Meeting**



# DAILY SCHEDULE

## MONDAY, APRIL 18

7:00 am–8:00 am

**POWER HOUR: Breast Imaging,** 1 CME credit  
**POWER HOUR: Pediatric Imaging,** 1 CME credit

8:30 am–10:00 am

- ICI101. Current Developments in Breast Cancer Evaluation**  
*G. Whitman, J. Lee*  
 1.5 CME credits
- ICI102. Cardiac CTA and MRA: The Basics**  
*L. Heyneman, A. Shah, J. Stojanovska*  
 1.5 CME credits
- ICI103. Emergency Abdominal Imaging**  
*W. Thompson, J. Hines, M. Patlas*  
 1.5 CME, 1.5 SAM credits **SAM RESIDENT**
- ICI104. Shoulder MRI Update**  
*L. Steinbach, M. Tuite, H. Umans*  
 1.5 CME credits
- SS01. Pediatric Imaging,** 1.5 CME credits
- SS02. Genitourinary—Reproductive/Endocrine,** 1.5 CME credits

9:30 am–10:30 am **Beverage Break—Connection Quad**

10:30 am–12:00 noon

- ICI105. HRCT: The Basics**  
*B. Little, K. Cummings, D. Manos*  
 1.5 CME credits **RESIDENT**
- ICI106. MDCT for Abdominal Injuries**  
*J. Soto, F. Munera, M. Patlas, J. Uyeda*  
 1.5 CME credits
- ICI107. Embolization, IVC Filters, Adrenal Vein Sampling**  
*R. Hieb, A. Nemcek, G. Slater*  
 1.5 CME, 1.5 SAM credits **SAM**
- ICI108. Abnormal Cord Signal: Differential Diagnosis**  
*A. Flanders, K. Salzman, L. Shah*  
 1.5 CME credits

- SS03. Breast Imaging,** 1.5 CME credits
- SS04. Musculoskeletal Imaging,** 1.5 CME credits

12:00 noon–1:00 pm **Lunch—Connection Quad**

1:30 pm–3:00 pm

- ICI109. Malpractice Update 2016**  
*L. Berlin*  
 1.5 CME credits
- ICI110. New Horizons in Breast Imaging**  
*J. Sung, K. Hunt*  
 1.5 CME credits
- ICI111. Conundrums in MSK Masses and Mass-Like Lesions**  
*G. Di Primio, S. Bernard, M. Kransdorf*  
 1.5 CME, 1.5 SAM credits **SAM RESIDENT**
- ICI112. Approach to Everyday Challenges in Vascular US**  
*E. Grant, U. Hamper, S. Coquia*  
 1.5 CME credits
- SS05. Cardiac Imaging,** 1.5 CME credits
- SS06. Gastrointestinal Imaging,** 1.5 CME credits

3:00 pm–3:30 pm **Beverage Break—Connection Quad**

3:30 pm–5:00 pm

- ICI113. Publications—Manuscripts: Acceptance in AJR**  
*T. Berquist, M. Javitt, J. Provenzale*  
 1.5 CME credits
- ICI114. Imaging of Coronary Artery Disease with CT**  
*S. Patel, J. Hsu, B. Ghoshhajra*  
 1.5 CME credits
- ICI115. Early Obstetric and Gynecologic Sonography in the ED**  
*D. Wolfman, O. Baltarowich, K. Richman*  
 1.5 CME credits **RESIDENT**

- ICI116. ICU Imaging: Tubes, Lines, and Cardiac Devices**  
*P. De Groot, M. Gilman, M. Parker*  
 1.5 CME credits

- ICI117. Knee Imaging: How I Do It**  
*H. Rosas, L. White, E. Foss*  
 1.5 CME credits

- ICI118. Imaging of Epilepsy**  
*J. Leach, N. Salamon*  
 1.5 CME credits, 1.5 SAM credits **SAM**

5:00 pm–5:45 pm

**SRS Program: Vignettes of American Neuro: Heroes and Villains**  
*A. Hasso*  
 No credits offered for this course.

## TUESDAY, APRIL 19

7:00 am–8:00 am

**POWER HOUR: Cardiac Imaging,** 1 CME credit  
**POWER HOUR: Musculoskeletal Imaging,** 1 CME credit

8:30 am–10:00 am

- IC201. Wrist and Hand Imaging**  
*J. Knake, L. Bancroft, C. Petchprapa, J. Bencardino*  
 1.5 CME credits
- IC202. Controversies in Breast Imaging**  
*T. Henrichsen, A. Holbrook*  
 1.5 CME credits **RESIDENT**
- IC203. Imaging of Iatrogenic Abdominal Conditions**  
*E. Wolf, B. Yeh, D. Katz*  
 1.5 CME, 1.5 SAM credits **SAM RESIDENT**
- IC204. HRCT: Advanced Topics**  
*A. Sharma, B. Elicker, J. Chung*  
 1.5 CME credits
- SS07. Efficacy/Administration/Informatics,** 1.5 CME credits
- SS08. Neuroradiology,** 1.5 CME credits

# DAILY SCHEDULE

9:30 am–10:30 am

**Beverage Break—Connection Quad**

10:30 am–12:00 noon

- IC205. MRI Device Safety, Nephrogenic Systemic Fibrosis**  
R. Groves, J. Weinreb  
1.5 CME, 1.5 SAM credits **SAM**
- IC206. Congenital Heart Disease**  
S. Abbata, P. Agarwal, L. Haramati  
1.5 CME credits
- IC207. International Breast Cancer Screening**  
N. Perry, J. Seely  
1.5 CME credits
- IC208. Congenital CNS Abnormalities Made Easy**  
K. Koral, U. Udayasankar, B. Soares  
1.5 CME credits **RESIDENT**
- IC209. ABR Core Exam Experience: How to Prepare**  
A. Paladin, B. Godwin, W. Walker, H. Chou  
1.5 CME credits
- SS09. Gastrointestinal Imaging, 1.5 CME credits**

12:00 noon–1:00 pm

**Lunch—Connection Quad**

1:30 pm–3:00 pm

- IC210. Quality Assurance in Abdominal Imaging**  
E. Tamm, W. Mayo-Smith, D. Lu  
1.5 CME credits
- IC211. MRI Elbow Injuries**  
F. Simeone, N. Chauvin, J. Peterson, W. Palmer  
1.5 CME credits
- IC212. Current Concepts in Trauma Imaging**  
C. Sliker, S. Nicolaou, J. Gross  
1.5 CME, 1.5 SAM credits **SAM RESIDENT**
- IC213. Imaging of Emergencies in Late Pregnancy**  
J. McGahan, G. Fananapazir, S. Sekhon  
1.5 CME credits
- SS10. Cardiac Imaging, 1.5 CME credits**
- SS11. Chest Imaging, 1.5 CME credits**

3:00 pm–3:30 pm

**Beverage Break—Connection Quad**

3:30 pm–5:00 pm

- IC214. Imaging of Cardiac Valves**  
K. Cummings, G. Feuchtnner, P. Blanke  
1.5 CME credits
- IC215. Survival Tips: Practice Building in the New Era of IR**  
P. Rochon, R. Williams, C. Martin  
1.5 CME credits
- IC216. Stroke Imaging: Practical Pearls**  
A. Vagal, R. Aviv, A. Gupta  
1.5 CME credits **RESIDENT**
- IC217. MSK US Applications in the Lower Extremity**  
J. Jacobson, N. Dahiya, G. Di Primio  
1.5 CME credits
- IC218. Learning from the Literature: Essential Papers**  
S. Bhalla, J. Ko, D. Naeger  
1.5 CME, 1.5 SAM credits **SAM RESIDENT**
- IC219. Pediatrics: Nonaccidental Trauma**  
J. Nixon, S. Ponrartana, E. Schallert  
1.5 CME credits

## WEDNESDAY, APRIL 20

7:00 am–8:00 am

- POWER HOUR: Gastrointestinal Imaging,**  
1 CME credit
- POWER HOUR: Genitourinary Imaging,**  
1 CME credit

8:30 am–10:00 am

- IC301. Cross-Sectional Genitourinary Imaging**  
D. Sahani, N. Hindman, D. Margolis  
1.5 CME credits **RESIDENT**
- IC302. Cardiac PET-CT, Radiation Dose Nuclear Medicine**  
A. Sheikh, M. Osman  
1.5 CME, 1.5 SAM credits **SAM**

- IC303. ABR MOC: New and Improved**  
L. Donnelly, M. Guiberteau, V. Mathews  
1.5 CME credits
- IC304. Lung Cancer Screening: Why, When, and How**  
F. Fintelmann, I. Vlahos, C. Wu  
1.5 CME credits
- SS12. Breast Imaging, 1.5 CME credits**
- SS13. Gastrointestinal Imaging, 1.5 CME credits**

9:30 am–10:30 am

**Beverage Break—Connection Quad**

10:30 am–12:00 noon

- IC305. Cardiac MR**  
K. Ordovas, A. Attali, E. Williamson  
1.5 CME credits
- IC306. Pediatric Conditions: From Symptom to Diagnosis**  
S. Karakas, N. Mahmood, S. Kraus  
1.5 CME, 1.5 SAM credits **SAM**
- IC307. Ankle Imaging**  
M. Jesse, W. Morrison, C. Andrews  
1.5 CME credits
- IC308. Managing Productivity and Performance Quantification**  
N. Safdar, S. Patel  
1.5 CME credits **RESIDENT**
- SS14. General/Emergency Radiology, 1.5 CME credits**
- SS15. Neuroradiology, 1.5 CME credits**

12:00 noon–1:00 pm

**Lunch—Connection Quad**

1:30 pm–3:00 pm

- IC309. Pulmonary Infections: Fungal, Mycobacterial Disease**  
E. Moore, C. Javidan-Nejad, H. McAdams  
1.5 CME credits **RESIDENT**



# DAILY SCHEDULE

## IC310. Emergency Radiology: Musculoskeletal Trauma

*M. Bernstein, M. Kumaravel, O. West*  
1.5 CME credits

## IC311. Tomosynthesis: For Screening and Diagnostic Patients

*D. Plecha, R. Butler*  
1.5 CME credits

## IC312. Head and Neck: HPV, HIV, EBV Infections

*C. Glastonbury, K. Baugnon, B. Rehani*  
1.5 CME, 1.5 SAM credits **SAM**

## SS16. Efficacy/Administration/Informatics,

1.5 CME credits

## SS17. Musculoskeletal Imaging, 1.5 CME credits

3:00 pm–3:30 pm

**Beverage Break—Connection Quad**

3:30 pm–5:00 pm

## IC313. Current Topics in Gastrointestinal Radiology

*F. Souza, R. Sanyal, M. Lubner*  
1.5 CME, 1.5 SAM credits **SAM**

## IC314. Update in Hip Imaging

*M. Bredella, D. Rubin, E. Bogner*  
1.5 CME credits

## IC315. SPECT-CT, PET-CT, and PET-MRI: An Overview

*E. Akin, D. Yoo, A. Sheikh*  
1.5 CME credits

## IC316. Pediatric Musculoskeletal Imaging

*S. Bixby, J. MacKenzie, V. Ho*  
1.5 CME credits **RESIDENT**

## IC317. Innovation in Care and Patient Centered Radiology

*G. Choy, J. Kemp*  
1.5 CME credits

## IC318. Controversies in Interventional Oncology

*D. Madoff, R. Murthy, S. Kee*  
1.5 CME credits

## THURSDAY, APRIL 21

7:00 am–8:00 am

**POWER HOUR: General/Emergency Radiology,**  
1 CME credit

**POWER HOUR: Nuclear Medicine,** 1 CME credit

8:30 am–10:00 am

## IC401. Non-Coronary Cardiac Imaging

*C. White, S. Bhalla, P. Rajiah*  
1.5 CME credits

## IC402. Controversies in Abdominal Imaging

*M. Davenport, P. Pickhardt, R. Lamba*  
1.5 CME credits **RESIDENT**

## IC403. Communicating Radiologic Findings to Patients

*I. Amber, D. Naeger*  
1.5 CME, 1.5 SAM credits **SAM**

## IC404. Therapeutics and PET-CT in Breast Cancer: NM On Call

*L. Gordon, D. Metter, K. Banks*  
1.5 CME credits

## SS18. Gastrointestinal Imaging, 1.5 CME credits

## SS19. Musculoskeletal Imaging, 1.5 CME credits

9:30 am–10:30 am

**Beverage Break—Connection Quad**

10:30 am–12:00 noon

## IC405. Imaging of the Pleura, Chest Wall and Diaphragm

*J. Bueno, J. Lichtenberger, J. Alegria*  
1.5 CME, 1.5 SAM credits **SAM**

## IC406. Practical Aspects of Spine Imaging

*J. Ross, J. Go, U. Rassner*  
1.5 CME credits **RESIDENT**

## IC407. Pediatric Chest and Abdomen

*M. Liszewski, J. Dillman, S. Vasawala*  
1.5 CME credits

## IC408. Hepatic Cross-Sectional Imaging

*C. Santillan, C. Sirlin, M. Heller*  
1.5 CME credits

## SS20. Vascular/Interventional Radiology, 1.5 CME credits

## SS21. Genitourinary Imaging—Prostate, 1.5 CME credits

12:00 noon–1:00 pm

**Lunch—Connection Quad**

1:30 pm–3:00 pm

## IC409. MI of Dementia and Head and Neck Malignancies

*P. Kuo, T. Wong*  
1.5 CME credits

## IC410. Postoperative Imaging in Head and Neck

*S. Mukherji, M. Michel, R. Wiggins*  
1.5 CME credits

## IC411. Forensic Abdominal Imaging

*B. Daly, H. Harcke*  
1.5 CME credits

## IC412. Musculoskeletal Pitfalls

*D. Flemming, M. Murphey, K. Davis, C. Chung*  
1.5 CME, 1.5 SAM credits **SAM RESIDENT**

## SS22. Breast Imaging, 1.5 CME credits

## SS23. Genitourinary Imaging—Prostate, 1.5 CME credits

3:00 pm–3:30 pm

**Beverage Break**

3:30 pm–5:00 pm

## IC413. Ultrasound Use in Breast Imaging

*J. Leung, H. Marshall*  
1.5 CME, 1.5 SAM credits **SAM**

## IC414. The Mediastinum: Radiographic, CT, and MR Evaluation

*R. Shah, R. Madan, T. Healey*  
1.5 CME credits **RESIDENT**

## IC415. No Shades of Grey: White Matter Disease

*C. Filippi, S. Mukherjee, B. Soares*  
1.5 CME credits

# DAILY SCHEDULE

## IC416. Marrow, Muscles, Metabolic: What Do I Need to Know

*M. Pathria, R. Boutin, C. Gaskin*  
1.5 CME credits

## SS24. Efficacy/Administration/Informatics

1.5 CME credits

## SS25. Vascular/Interventional Radiology

1.5 CME credits

## IC506. Miscellaneous Topics in Abdominal MRI

*M. Smith, P. Bhargava, A. Zaheer*  
1.5 CME credits

## IC507. PET-CT Pearls and Pitfalls

*K. Zukotynski, H. Agress*  
1.5 CME, 1.5 SAM credits **SAM**

## IC508. Musculoskeletal Infections

*J. Luchs, C. Simpfendorfer, B. Levine, K. Motamedi*  
1.5 CME credits

## SS28. Breast Imaging, 1.5 CME credits

## SS29. Efficacy/Administration/Informatics

1.5 CME credits

**“It’s a great opportunity to  
learn as much as possible.”**

—AMRITA ARNEJA, MD

## FRIDAY, APRIL 22

7:00 am–8:00 am

**POWER HOUR: Neuroradiology,** 1 CME credit

**POWER HOUR: Ultrasound,** 1 CME credit

8:30 am–10:00 am

## IC501. Breast Imaging: Back to Basics

*M. McDonough, J. Giesbrandt*  
1.5 CME credits **RESIDENT**

## IC502. Abdominal Imaging Pitfalls

*S. Anderson, R. Nicola, M. Moshiri*  
1.5 CME, 1.5 SAM credits **SAM**

## IC503. MSK US Upper Extremity Sports Related Injuries

*J. Jacobson, R. Lopez-Ben, M. Van Holsbeeck*  
1.5 CME credits

## IC504. Cranial Nerves: Imaging Pearls

*A. Srinivasan, D. Phillips, D. Shatzkes*  
1.5 CME credits

## SS26. Musculoskeletal Imaging, 1.5 CME credits

## SS27. Nuclear Medicine, 1.5 CME credits

9:30 am–10:30 am

**Beverage Break**

10:30 am–12:00 noon

## IC505. Imaging of Thoracic Vascular Disease

*C. Raptis, S. Martinez-Jimenez, B. Sundaram*  
1.5 CME credits **RESIDENT**





# HOTEL AND TRAVEL INFORMATION

All ARRS Annual Meeting sessions and events will take place at the Los Angeles Convention Center, located in the cultural, business, and entertainment mecca of downtown LA. The hotels listed below are all within walking distance of the Center and offer discounted rates for ARRS Annual Meeting attendees.

## 2016 Annual Meeting Hotels

### The JW Marriott Los Angeles, LA LIVE

(Headquarters Hotel)

900 West Olympic Boulevard, Los Angeles, CA 90015

This 54-story downtown LA hotel is within walking distance of the Los Angeles Convention Center. Guest rooms feature contemporary decor, marble bathrooms, plush bedding and plasma TVs.

### The Ritz-Carlton, Los Angeles

900 West Olympic Boulevard, Los Angeles, CA 90015

A modern glass structure that soars high above the city, this urban downtown oasis engages the city's dynamic surroundings to provide guests with plenty of entertaining moments and cultural experiences. **Hurry, rooms at the Ritz-Carlton are very limited and will sell out quickly.**

### Courtyard Los Angeles, LA LIVE

901 West Olympic Boulevard, Los Angeles, CA 90015

The Courtyard Los Angeles LA LIVE captures the excitement of the "most entertaining place on the planet" while striking the perfect balance of comfort and function.

### Residence Inn Los Angeles, LA LIVE

901 West Olympic Avenue, Los Angeles, CA 90015

The Residence Inn offers spacious studio, one- and two-bedroom suites with separate living and sleeping areas. Fully equipped kitchens in each room mean that late night snacks or a home cooked meal are easily at hand.

| Hotel Rates                                               | Single | Double |
|-----------------------------------------------------------|--------|--------|
| The JW Marriott Los Angeles, LA LIVE (Headquarters Hotel) | \$249  | \$269  |
| The Ritz-Carlton, Los Angeles                             | \$369  | \$389  |
| Courtyard Los Angeles, LA LIVE                            | \$239  | \$259  |
| Residence Inn Los Angeles, LA LIVE                        | \$259  | \$279  |

All hotel rates are quoted in USD funds and subject to applicable state and local taxes.

## Hotel Reservation Deadline

Hotel reservations must be made by March 18, 2016 to qualify for the discounted ARRS rates. You must register for the Annual Meeting first (see page 27). You are advised to register for the meeting and make hotel reservations as soon as possible since the hotel room block fills up quickly and we cannot guarantee rooms will be available through March 18. After March 18, any rooms remaining in the ARRS room block will be released and higher rates may apply.

## Hotel Confirmations

You will receive a confirmation at the time your hotel reservation is made as well as with instructions for making changes to your reservation.

## Guaranteed Reservations

All hotel reservations must be guaranteed with a credit card.

## Hotel Cancellations

Cancellations must be made twenty-four hours before arrival to avoid a one (1) night room and tax charge. Cancellations to your reservation must be made online until the day of arrival.

## Hotel Reservation Changes

Changes to your reservation can be made up until the day of arrival. All changes to your reservation must be made online.

## Questions Regarding Hotel Reservations

ARRS is not able to answer questions regarding hotel reservations. Please call 1-888-236-2427 with questions regarding your hotel reservation. You may also call 213-765-8600 for the JW Marriott or Ritz-Carlton, or 214-443-9200 for the Courtyard and Residence Inn.

## Travel Information

Los Angeles Airport (LAX) is the largest airport in California. The city of Los Angeles is just 15 miles (24 kilometers) from LAX Airport and the two are linked by numerous rail and road connections. For more information visit [www.lawa.org](http://www.lawa.org).



# ANNUAL AND VIRTUAL MEETING REGISTRATION INFORMATION

## REGISTRATION OPENS DECEMBER 1. REGISTER BY FEBRUARY 5 TO RECEIVE THE LOWEST RATES!

The early-bird deadline for the Annual and Virtual Meeting is Friday, February 5, 2016. The pre-registration deadline for the Annual Meeting is Friday, March 18, 2016. After March 18, registrations will only be processed at the ARRS On-Site Registration Welcome and Information Center in Los Angeles. The registration deadline for the Virtual Meeting is Friday, April 1, 2016.

| ANNUAL MEETING                    | Early-Bird Registration Through February 5 | Pre-Registration Through March 18 | On-Site Registration |
|-----------------------------------|--------------------------------------------|-----------------------------------|----------------------|
| ARRS Physician Member             | \$525                                      | \$625                             | \$725                |
| ARRS Emeritus/SRS Members         | \$425                                      | \$525                             | \$625                |
| ARRS In-Training Physician Member | \$205                                      | \$305                             | \$405                |
| ARRS Technologist or Nurse Member | \$205                                      | \$305                             | \$405                |
| Nonmember                         | \$1,475                                    | \$1,575                           | \$1,675              |

| ADDITIONAL REGISTRATION FEES | ARRS In-Training Member | ARRS Member | Nonmember |
|------------------------------|-------------------------|-------------|-----------|
| Categorical Course           | \$205                   | \$205       | \$405     |
| Case-Based Imaging Review    | \$105                   | \$205       | \$405     |
| Per Guest Fee                | \$99                    | \$99        | \$99      |

## UPGRADE ANNUAL MEETING REGISTRATION TO INCLUDE VIRTUAL MEETING ACCESS

**Annual Meeting registrants may select to pay an additional fee to have access to the Virtual Meeting.** CME credit should only be claimed for sessions viewed either live at the Annual Meeting or viewed in live-time through the Virtual Meeting. CME cannot be claimed twice for the same lecture. After the meeting, session recordings may be used as a reference to refresh knowledge gained in the live sessions and will be available from April 29–May 20, 2016. Wi-Fi access in the meeting rooms at the Annual Meeting will not be available to access the Virtual Meeting. In order to upgrade your access for the Categorical Course and/or the Case-Based Imaging Review Course, you must be registered to attend these courses in person at the Annual Meeting and pay additional upgrade fees for each course.

## ANNUAL MEETING CANCELLATION POLICIES

Cancellations received in writing by March 18, 2016, will be processed after the meeting minus the \$100 non-refundable cancellation fee. Refunds will not be provided for cancellations for any reason after March 18, 2016. Refund requests of the \$100 cancellation fee will not be considered regardless of the registration category, amount paid, or when requested. Submitted registration forms by mail, fax, or online serve as acknowledgement and acceptance of these cancellation policies.

## ANNUAL MEETING TRANSFER TO VIRTUAL MEETING

Need to change your registration from the Annual Meeting to the Virtual Meeting? Written requests must be received no later than March 18, 2016, and a \$100 non-refundable transfer fee will be charged in addition to any additional virtual registration fees to make the requested change in the meeting registration record. After March 18, 2016, requests to transfer from the Annual Meeting to the Virtual Meeting will not be processed.

## VIRTUAL MEETING REGISTRATION CANCELLATION POLICY

Cancellation requests received in writing by April 1, 2016, to [meeting@arrs.org](mailto:meeting@arrs.org) will be refunded minus the \$100 non-refundable cancellation fee. After April 1, 2016, refunds will not be issued for any reason. Refund requests for the cancellation fee will not be considered regardless of the registration category, amount paid, or when requested. No-shows to the Virtual Meeting will not be refunded regardless of the reason, including conflicts that arise with a registrant's schedule or failure to test the computer connection prior to the Virtual Meeting as instructed. Failure to join the Virtual Meeting as it takes place live (e.g., late arrivals or early departures) does not constitute a reason for a full or partial refund. A submitted registration form online, by fax, or mail serves as acknowledgement, acceptance, and agreement of these cancellation policies.

## VIRTUAL MEETING TRANSFER TO ANNUAL MEETING

Need to change your registration from the Virtual Meeting to the Annual Meeting? Written requests must be received no later than March 18, 2016, and a \$100 non-refundable transfer fee will be charged in addition to any additional virtual registration fees to make the requested change in the meeting registration record. After March 18, 2016, requests to transfer from the Virtual Meeting to the Annual Meeting will not be processed.

## ARRS MEMBERSHIP

ARRS membership must be current both at the time of and for the duration of the Annual Meeting and the duration of access to the Virtual Meeting materials in order to receive the discounted member registration rates. If membership has lapsed or will lapse between the date of registration and the final date of the Annual Meeting or the final date of access to the Virtual Meeting materials, the registrant must either renew membership or pay the nonmember registration fees.

## NONMEMBERS APPLYING FOR ARRS MEMBERSHIP FOR THE ANNUAL MEETING

Nonmembers may apply for ARRS membership and receive the member registration fee discount. Nonmembers should submit a membership application with the Annual Meeting registration form by fax or mail prior to March 18 to receive the member registration fee discount. After March 18, the membership application and Annual Meeting registration form must be submitted together at the ARRS On-Site Registration Welcome and Information Center in Los Angeles.

## NONMEMBERS APPLYING FOR ARRS MEMBERSHIP FOR THE VIRTUAL MEETING

Nonmembers may apply for ARRS membership and receive the member registration fee discount. Nonmembers should submit a membership application with the Virtual Meeting registration form by fax or mail prior to April 1 to receive the member registration fee discount.

## SPECIAL NEEDS

Annual Meeting registrants requiring auxiliary aids or services as identified in the Americans with Disabilities Act should contact ARRS at [meeting@arrs.org](mailto:meeting@arrs.org).



# FREQUENTLY ASKED QUESTIONS

## 2016 ANNUAL MEETING

**Q. Where will the meeting be held?**

- A. The Annual Meeting will be held Sunday, April 17-Friday, April 22 at the Los Angeles Convention Center in Los Angeles, California.

**Q. What is the pre-registration deadline?**

- A. To pre-register for the meeting, registration materials must be received in the office at ARRS headquarters by Friday, March 18, 2016. To obtain the best registration rates, plan to register by the early-bird deadline of Friday, February 5, 2016.

**Q. How do I register after the pre-registration deadline, Friday, March 18, 2016?**

- A. After March 18, registrations will only be accepted at ARRS On-Site Registration Welcome and Information Center at the Los Angeles Convention Center in Los Angeles, California.

**Q. Do I need to register guests for the meeting? What does the guest fee include?**

- A. Yes, the fee is \$99 per guest and provides entrance to the Connection Quad including lunches (Monday–Thursday) as well as all beverage breaks throughout the week. Guests are not allowed entry to areas where educational sessions or events are being held including the fee-based Categorical Course, the fee-based Case-Based Imaging Review Course,

or the Reading Room. Guests are not eligible to claim CME, SAM, SA-CME, or ARLM credits and do not receive any educational materials. Individuals eligible for ARRS membership may not register as a guest and must pay the general registration fee.

**Q. Are children's programs or child care available during the meeting?**

- A. ARRS does not provide children's programs or child care. Please ask your hotel concierge for a list of local companies that offer child care services. For safety reasons, security will be notified if children are left unattended in any of the ARRS meeting space areas or public areas of the convention center.

**Q. Does my membership need to be current in order to attend at the ARRS member rate?**

- A. Yes, your ARRS membership must be current both at the time that you register for the meeting and when you attend the meeting in order to receive the discounted member rate. If your membership has lapsed or will lapse between the date you register and the final date of the Annual Meeting, you must pay your membership renewal or pay the nonmember registration fee before you will be allowed to attend. A submitted registration form online, by fax, or mail serves as acknowledgement, acceptance, and agreement of this policy.

**Q. Can I become an ARRS member to take advantage of registration savings?**

- A. Absolutely! If you plan to attend the ARRS 2016 Annual Meeting, apply for membership at the same time you submit your Annual Meeting registration form to ensure your membership status is confirmed and you receive the membership registration discount.

To apply for membership:

**Apply Online:**

Go to [www.arrs.org](http://www.arrs.org) and click on Membership. Be sure to indicate on the online form that you plan to attend the ARRS 2016 Annual Meeting and fax your Annual Meeting registration form to the ARRS at 703-729-4839 after submitting your online membership application.

**Download Application:**

Go to [www.arrs.org](http://www.arrs.org) and click on Membership. Send the completed application with your Annual Meeting registration form by fax to 703-729-4839 or mail both documents to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109.

**Q. Will I receive a registration confirmation?**

- A. Registration confirmations are emailed to registrants. It is important to provide your email address with your registration materials to ensure receipt of your confirmation and any updates regarding the meeting. Make sure the email address

provided is set up to accept messages from ARRS so your Annual Meeting communications do not go to a SPAM or junk mail folder or are blocked entirely.

**Q. What is the cancellation policy?**

- A. Written requests for cancellation should be sent by email to [meeting@arrs.org](mailto:meeting@arrs.org); by fax to 703-729-4839; or by mail to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109. Written requests for refunds received by March 18, 2016, will be processed after the meeting minus a \$100 non-refundable cancellation fee. After March 18, 2016, cancellations will be processed but refunds will not be issued. Cancellations will not be accepted by telephone. Refund requests of the \$100 non-refundable cancellation fee will not be considered regardless of the registration category, amount paid, or when requested. A submitted registration form online, by fax, or mail serves as acknowledgement, acceptance, and agreement of these cancellation policies.

**Q. Can I transfer my Annual Meeting registration to a Virtual Meeting registration?**

- A. Yes, you may transfer your Annual Meeting registration record to a Virtual Meeting registration record provided a written request is received by email to [meeting@arrs.org](mailto:meeting@arrs.org); by fax to 703-729-4839; or by mail to: ARRS, 44211 Slatestone

Court, Leesburg, VA 20176-5109 no later than March 18, 2016. In order to facilitate this Annual Meeting record change to a Virtual Meeting record, a \$100 non-refundable transfer fee as well as any additional associated virtual registration fees must be paid before the request can be accommodated. After March 18, 2016, requests to transfer from the Annual Meeting to the Virtual Meeting will not be processed.

**Q. Can I add access to the Virtual Meeting to my Annual Meeting registration?**

- A. Yes, you may upgrade your general registration to include access to the Virtual Meeting and pay the associated registration fees. CME credit should only be claimed for sessions viewed either live at the Annual Meeting or in live-time through the Virtual Meeting. CME cannot be claimed twice for the same lecture. In order to add virtual access for the Categorical Course and/or the Case-Based Imaging Review Course, you must be registered to attend these courses in person at the Annual Meeting and pay additional upgrade fees for each course.

## FREQUENTLY ASKED QUESTIONS 2016 VIRTUAL MEETING

**Q. When will the Virtual Meeting be held?**

- A. The meeting will be held Sunday, April 17–Friday, April 22 and will be live streamed based on the Pacific Time Zone.

**Q. What is the registration deadline?**

- A. To register for the meeting, registration materials must be received in the office at ARRS headquarters by Friday, April 1, 2016. To obtain the best registration rates, plan to register by the early-bird deadline of Friday, February 5, 2016.

**Q. Does my membership need to be current in order to attend at the ARRS member rate?**

- A. Yes, your ARRS membership must be current both at the time that you register for the Virtual Meeting and when you participate in the meeting in order to receive the discounted member rate. If your membership has lapsed or will lapse between the date you register and the final date the Virtual Meeting materials are available for registrants, you must pay your membership renewal or pay the nonmember registration fee before you will be allowed to participate. A submitted registration form online, by fax, or mail serves as acknowledgement, acceptance, and agreement of this policy.

**Q. Can I become an ARRS member to take advantage of registration savings?**

- A. Absolutely! If you plan to participate in the ARRS 2016 Virtual Meeting, apply for membership at the same

time you submit your registration form to ensure your membership status is confirmed and you receive the membership registration discount.

*To apply for membership:*

**Apply Online:**

Go to [www.arrs.org](http://www.arrs.org) and click on Membership. Be sure to indicate on the online form that you plan to attend the ARRS 2016 Virtual Meeting and fax your Virtual Meeting registration form to the ARRS at 703-729-4839 after submitting your online membership application.

**Download Application:**

Go to [www.arrs.org](http://www.arrs.org) and click on Membership. Send the completed application with your Virtual Meeting registration form by fax to 703-729-4839 or mail both documents to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109.

**Q. Will I receive a registration confirmation?**

- A. Registration confirmations are emailed to registrants. It is important to provide your email address with your registration materials to ensure receipt of your confirmation and any updates regarding the meeting. Make sure the email address provided is set up to accept messages from ARRS so your Virtual Meeting communications do not go to a SPAM or junk mail folder or are blocked entirely.

**Q. What is the cancellation policy?**

- A. Written requests for cancellation should be sent by email to [meeting@arrs.org](mailto:meeting@arrs.org); by fax to 703-729-4839; or by mail to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109. Written requests for refunds received by April 1, 2016, will be processed after the Virtual Meeting minus a \$100 non-refundable cancellation fee. After April 1, 2016, cancellations will be processed but refunds will not be issued. Cancellations will not be accepted by telephone. Refund requests of the \$100 non-refundable cancellation fee will not be considered regardless of the registration category, amount paid, or when requested. A submitted registration form online, by fax, or mail serves as acknowledgement, acceptance, and agreement of these cancellation policies.

**Q. Can I transfer my Virtual Meeting registration to an Annual Meeting registration?**

- A. Yes, you may transfer your Virtual Meeting registration record to an Annual Meeting registration record provided a written request is received by email to [meeting@arrs.org](mailto:meeting@arrs.org); by fax to 703-729-4839; or by mail to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109 no later than March 18, 2016. In order to facilitate this Virtual Meeting record change to an Annual Meeting record, a \$100 non-refundable transfer fee as well as any additional associated Annual Meeting registration fees must be paid before the request can be accommodated.

NOT YET AN ARRS MEMBER?  
**TAKE ADVANTAGE  
OF REGISTRATION  
SAVINGS AND  
JOIN TODAY**

### APPLY ONLINE FOR MEMBERSHIP

Go to [www.arrs.org](http://www.arrs.org) and click on Membership.

Be sure to indicate on the form that you plan to attend the ARRS 2016 Annual Meeting or Virtual Meeting.

Fax your registration form to the ARRS at 703-729-4839 AFTER submitting your online membership application.

### DOWNLOAD APPLICATION

Go to [www.arrs.org](http://www.arrs.org) and click on Membership.

Send the completed membership application with your registration form by fax to 703-729-4839, or mail both documents to:  
ARRS, 44211 Slatestone Court  
Leesburg, VA 20176-5109



# ARRS 2016 VIRTUAL MEETING REGISTRATION FORM

PLEASE VISIT [WWW.ARRS.ORG/MEETING](http://WWW.ARRS.ORG/MEETING) TO REGISTER ONLINE.

|                                                                  |                |              |         |
|------------------------------------------------------------------|----------------|--------------|---------|
| FIRST NAME                                                       | MIDDLE INITIAL | LAST NAME    |         |
| ADDRESS                                                          |                |              |         |
| CITY                                                             | STATE/PROVINCE | POSTAL CODE  | COUNTRY |
| TELEPHONE + COUNTRY & CITY CODE (IF APPLICABLE)                  |                | FAX          |         |
| EMAIL ADDRESS (CONFIRMATION & COMMUNICATIONS SENT TO THIS EMAIL) |                |              |         |
| DEGREES (MD, PhD, etc.)                                          |                | SUBSPECIALTY |         |

| GENERAL REGISTRATION           | EARLY-BIRD REGISTRATION<br>Through 2/5/16 | REGULAR REGISTRATION<br>Through 4/1/16 |
|--------------------------------|-------------------------------------------|----------------------------------------|
| ARRS PHYSICIAN MEMBER          | \$525                                     | \$625                                  |
| ARRS EMERITUS/SRS MEMBER       | \$425                                     | \$525                                  |
| ARRS IN-TRAINING MEMBER        | \$205                                     | \$305                                  |
| ARRS TECHNOLOGIST/NURSE MEMBER | \$205                                     | \$305                                  |
| NONMEMBER                      | \$1,475                                   | \$1,575                                |

| CATEGORICAL COURSE: ONCOLOGIC IMAGING: FROM DIAGNOSIS TO CURE |       |
|---------------------------------------------------------------|-------|
| ARRS PHYSICIAN MEMBER                                         | \$205 |
| ARRS EMERITUS/SRS MEMBER                                      | \$205 |
| ARRS IN-TRAINING MEMBER                                       | \$205 |
| ARRS TECHNOLOGIST/NURSE MEMBER                                | \$205 |
| NONMEMBER                                                     | \$405 |

VIRTUAL REGISTRANTS WILL RECEIVE AN E-BOOK ☐ I would like the **PRINT** copy of the Categorical Course book shipped to me after the meeting at the additional cost of \$50, including shipping and handling. Please add this amount to your total Registration Fees box above.

| CASE-BASED IMAGING REVIEW COURSE |       |
|----------------------------------|-------|
| ARRS PHYSICIAN MEMBER            | \$205 |
| ARRS EMERITUS/SRS MEMBER         | \$205 |
| ARRS IN-TRAINING MEMBER          | \$105 |
| ARRS TECHNOLOGIST/NURSE MEMBER   | \$205 |
| NONMEMBER                        | \$405 |

VIRTUAL REGISTRANTS WILL RECEIVE AN E-BOOK ☐ I would like the **PRINT** copy of the Case-Based Imaging Review Course book shipped to me after the meeting at the additional cost of \$50, including shipping and handling. Please add this amount to your total Registration Fees box above.

## VIRTUAL MEETING REGISTRATION FEES

Enter the dollar amount for your selections.

|                                                                                                  |        |
|--------------------------------------------------------------------------------------------------|--------|
| GENERAL REGISTRATION FEE                                                                         | USD \$ |
| CATEGORICAL COURSE: ONCOLOGIC IMAGING FEE                                                        | USD \$ |
| CATEGORICAL COURSE PRINT BOOK FEE<br>(only available to Categorical Course registrants)          | USD \$ |
| CASE-BASED IMAGING REVIEW COURSE FEE                                                             | USD \$ |
| CASE-BASED IMAGING REVIEW COURSE PRINT BOOK FEE<br>(only available to Review Course registrants) | USD \$ |
| <b>TOTAL FEES</b> (All fees are in USD):                                                         | USD \$ |



**Check Enclosed** ☐ (in U.S. funds drawn on a U.S. bank made payable to ARRS)

**Credit Card** ☐ MASTERCARD ☐ VISA ☐ AMERICAN EXPRESS

CREDIT CARD #

EXPIRATION DATE:

CARD HOLDER NAME

SIGNATURE

Register by credit card online at [www.arrs.org](http://www.arrs.org) or by completing this form. Register by fax with payment by credit card to 703-729-4839 or mail with payment by check in U.S. funds drawn on a U.S. bank to: ARRS, PO Box 418863, Boston, MA 02125-8863. Registrations by telephone will not be accepted.

Cancellation requests received in writing by Friday, April 1, 2016, to [meeting@arrs.org](mailto:meeting@arrs.org) will be refunded minus a \$100 non-refundable cancellation fee. After Friday, April 1, refunds will not be issued for any reason. Refund requests for the cancellation fee will not be considered regardless of the registration category and amount paid or when requested. No-shows to the Virtual Meeting will not be refunded regardless of the reason including conflicts that arise with a registrant's schedule or failure to test the computer connection prior to the Virtual Meeting as instructed. Failure to join the Virtual Meeting as it takes place live (e.g., late arrivals or early departures) does not constitute a reason for a full or partial refund. A submitted registration form online, by fax, or mail serves as acknowledgement, acceptance, and agreement of these cancellation policies.

You may transfer your Virtual Meeting registration record to an in-person Annual Meeting registration record provided a written request is received by email to [meeting@arrs.org](mailto:meeting@arrs.org), by fax to 703-729-4839, or by mail to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109 no later than March 18, 2016. A \$100 non-refundable transfer fee as well as any additional associated in-person Annual Meeting registration fees must be paid before the transfer can be accommodated.

# ARRS 2016 ANNUAL MEETING REGISTRATION FORM

PLEASE VISIT [WWW.ARRS.ORG/MEETING](http://WWW.ARRS.ORG/MEETING) FOR UP-TO-DATE INFORMATION AND TO REGISTER ONLINE.

|                                                                                                                                  |                |              |         |
|----------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|---------|
| FIRST NAME                                                                                                                       | MIDDLE INITIAL | LAST NAME    |         |
| ADDRESS                                                                                                                          |                |              |         |
| CITY                                                                                                                             | STATE/PROVINCE | POSTAL CODE  | COUNTRY |
| TELEPHONE + COUNTRY & CITY CODE (IF APPLICABLE)                                                                                  |                | FAX          |         |
| EMAIL ADDRESS (CONFIRMATION & COMMUNICATIONS SENT TO THIS EMAIL)                                                                 |                |              |         |
| DEGREES (MD, PhD, etc.)                                                                                                          |                | SUBSPECIALTY |         |
| NAME(S) OF GUEST(S) (\$99 per guest fee applies, includes Connection Quad admission, beverage breaks, and lunch Monday–Thursday) |                |              |         |

|                        |           |               |
|------------------------|-----------|---------------|
| EMERGENCY CONTACT NAME | TELEPHONE | EMAIL ADDRESS |
|------------------------|-----------|---------------|

| GENERAL REGISTRATION           | EARLY-BIRD<br>Through 2/05/16 | PRE-REGISTRATION<br>Through 3/18/16 | ON-SITE | VIRTUAL MEETING UPGRADE |
|--------------------------------|-------------------------------|-------------------------------------|---------|-------------------------|
| ARRS PHYSICIAN MEMBER          | \$525                         | \$625                               | \$725   | \$99                    |
| ARRS EMERITUS/SRS MEMBER       | \$425                         | \$525                               | \$625   | \$99                    |
| ARRS IN-TRAINING MEMBER        | \$205                         | \$305                               | \$405   | \$49                    |
| ARRS TECHNOLOGIST/NURSE MEMBER | \$205                         | \$305                               | \$405   | \$49                    |
| NONMEMBER                      | \$1,475                       | \$1,575                             | \$1,675 | \$299                   |

| FEE-BASED COURSES Check the course(s) for which you are registering.                                                                        | MEMBER | IN-TRAINING | NON-MEMBER |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------|------------|
| <input type="checkbox"/> Sunday, April 17–Tuesday, April 19: Categorical Course: <i>Oncologic Imaging: From Diagnosis to Cure</i>           | \$205  | \$205       | \$405      |
| <input type="checkbox"/> Categorical Course Virtual Meeting Upgrade (only available to Categorical Course registrants)                      | \$99   | \$99        | \$199      |
| <input type="checkbox"/> Tuesday, April 19–Friday, April 22: Case-Based Imaging Review                                                      | \$205  | \$105       | \$405      |
| <input type="checkbox"/> Case-Based Imaging Review Course Virtual Meeting Upgrade (only available to Case-Based Imaging Review registrants) | \$99   | \$49        | \$199      |

## COURSE ENROLLMENT Check the courses/events you wish to register to attend—select only one per line. See pages 17–21 for course information.

### SUNDAY, APRIL 17

|                     |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| 7:30 am–9:30 am     | <input type="checkbox"/> Education Seminar                                      |
| 7:30 am–9:30 am     | <input type="checkbox"/> Clinical Physics: MRI and Ultrasound                   |
| 10:00 am–12:00 noon | <input type="checkbox"/> Business Seminar                                       |
| 10:00 am–12:00 noon | <input type="checkbox"/> Clinical Physics: CT, Nuclear Medicine, and PET-CT     |
| 1:00 pm–3:00 pm     | <input type="checkbox"/> SSR: Controversies and Concepts in Hip, Pelvis Imaging |
| 1:00 pm–3:00 pm     | <input type="checkbox"/> Quality and Safety in Radiology: The Basics            |
| 3:30 pm–4:30 pm     | <input type="checkbox"/> Radiology Year in Review                               |
| 3:30 pm–5:30 pm     | <input type="checkbox"/> Quality and Safety: Advanced Topics and Examples       |
| 5:45 pm–7:15 pm     | <input type="checkbox"/> Opening Ceremonies and Member Business Meeting         |

### MONDAY, APRIL 18

|                     |                                                                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:00 am–8:00 am     | Power Hours: <input type="checkbox"/> Breast OR <input type="checkbox"/> Pediatric                                                                                                      |
| 8:30 am–10:00 am    | <input type="checkbox"/> IC101 <input type="checkbox"/> IC102 <input type="checkbox"/> IC103 <input type="checkbox"/> IC104 <input type="checkbox"/> SS01 <input type="checkbox"/> SS02 |
| 10:30 am–12:00 noon | <input type="checkbox"/> IC105 <input type="checkbox"/> IC106 <input type="checkbox"/> IC107 <input type="checkbox"/> IC108 <input type="checkbox"/> SS03 <input type="checkbox"/> SS04 |
| 12:00 noon–1:00 pm  | <input type="checkbox"/> LUNCH IN THE CONNECTION QUAD                                                                                                                                   |

|                 |                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1:30 pm–3:00 pm | <input type="checkbox"/> IC109 <input type="checkbox"/> IC110 <input type="checkbox"/> IC111 <input type="checkbox"/> IC112 <input type="checkbox"/> SS05 <input type="checkbox"/> SS06   |
| 3:30 pm–5:00 pm | <input type="checkbox"/> IC113 <input type="checkbox"/> IC114 <input type="checkbox"/> IC115 <input type="checkbox"/> IC116 <input type="checkbox"/> IC117 <input type="checkbox"/> IC118 |
| 5:00 pm–5:45 pm | <input type="checkbox"/> SRS Program: Vignettes of American Neuro: Heroes and Villains                                                                                                    |

### TUESDAY, APRIL 19

|                     |                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:00 am–8:00 am     | Power Hours: <input type="checkbox"/> Cardiac OR <input type="checkbox"/> Musculoskeletal                                                                                                 |
| 8:30 am–10:00 am    | <input type="checkbox"/> IC201 <input type="checkbox"/> IC202 <input type="checkbox"/> IC203 <input type="checkbox"/> IC204 <input type="checkbox"/> SS07 <input type="checkbox"/> SS08   |
| 10:30 am–12:00 noon | <input type="checkbox"/> IC205 <input type="checkbox"/> IC206 <input type="checkbox"/> IC207 <input type="checkbox"/> IC208 <input type="checkbox"/> IC209 <input type="checkbox"/> SS09  |
| 12:00 noon–1:00 pm  | <input type="checkbox"/> LUNCH IN THE CONNECTION QUAD                                                                                                                                     |
| 1:30 pm–3:00 pm     | <input type="checkbox"/> IC210 <input type="checkbox"/> IC211 <input type="checkbox"/> IC212 <input type="checkbox"/> IC213 <input type="checkbox"/> SS10 <input type="checkbox"/> SS11   |
| 3:30 pm–5:00 pm     | <input type="checkbox"/> IC214 <input type="checkbox"/> IC215 <input type="checkbox"/> IC216 <input type="checkbox"/> IC217 <input type="checkbox"/> IC218 <input type="checkbox"/> IC219 |

### WEDNESDAY, APRIL 20

|                     |                                                                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:00 am–8:00 am     | Power Hours: <input type="checkbox"/> Gastrointestinal OR <input type="checkbox"/> Genitourinary                                                                                        |
| 8:30 am–10:00 am    | <input type="checkbox"/> IC301 <input type="checkbox"/> IC302 <input type="checkbox"/> IC303 <input type="checkbox"/> IC304 <input type="checkbox"/> SS12 <input type="checkbox"/> SS13 |
| 10:30 am–12:00 noon | <input type="checkbox"/> IC305 <input type="checkbox"/> IC306 <input type="checkbox"/> IC307 <input type="checkbox"/> IC308 <input type="checkbox"/> SS14 <input type="checkbox"/> SS15 |

## ANNUAL MEETING REGISTRATION FEES

Enter the dollar amount for your selections.

|                                                      |        |
|------------------------------------------------------|--------|
| GENERAL REGISTRATION FEE                             | USD \$ |
| GENERAL REGISTRATION VIRTUAL UPGRADE FEE             | USD \$ |
| CATEGORICAL COURSE FEE                               | USD \$ |
| CATEGORICAL COURSE VIRTUAL UPGRADE FEE               | USD \$ |
| CASE-BASED IMAGING REVIEW COURSE FEE                 | USD \$ |
| CASE-BASED IMAGING REVIEW COURSE VIRTUAL UPGRADE FEE | USD \$ |
| GUEST FEE (\$99 PER GUEST)                           | USD \$ |
| <b>TOTAL FEES</b> (All fees are in USD)              | USD \$ |

**Check Enclosed** ☐ (in U.S. funds drawn on a U.S. bank made payable to ARRS)

**Credit Card** ☐ MASTERCARD ☐ VISA ☐ AMERICAN EXPRESS

CREDIT CARD #

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Register by credit card online at [www.arrs.org](http://www.arrs.org) or by completing this form. Register by fax with payment by credit card to 703-729-4839 or mail with payment by check in U.S. funds drawn on a U.S. bank to: ARRS, PO Box 418863, Boston, MA 02125-8863. Registrations by telephone will not be accepted.

Cancellation requests received in writing by Friday, March 18, 2016, to [meeting@arrs.org](mailto:meeting@arrs.org) will be refunded minus a \$100 non-refundable cancellation fee. After Friday, March 18, refunds will not be issued for any reason. Refund requests for the cancellation fee will not be considered regardless of the registration category and amount paid or when requested. After March 18, 2016, cancellations will be processed but refunds will not be issued. Cancellations will not be accepted by telephone. Refund requests of \$100 non-refundable cancellation fee will not be considered regardless of the registration category. A submitted registration form online, by fax, or mail serves as acknowledgement, acceptance, and agreement of these cancellation policies.

You may transfer your in-person Annual Meeting registration record to a Virtual Meeting registration record provided a written request is received by email to [meeting@arrs.org](mailto:meeting@arrs.org), by fax to 703-729-4839, or by mail to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109 no later than March 18, 2016. A \$100 non-refundable transfer fee as well as any additional associated Virtual Meeting registration fees must be paid before the transfer can be accommodated. After March 18, 2016, requests to transfer from the in-person Annual Meeting to the Virtual Meeting will not be processed.

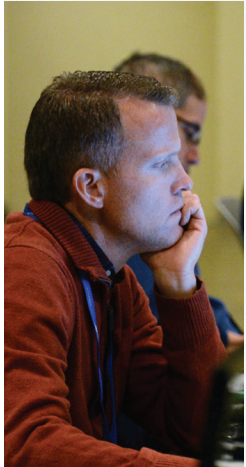






# JOIN US

April 17–22, 2016  
LOS ANGELES  
CONVENTION  
CENTER



**REGISTER BY  
FEBRUARY 5  
TO RECEIVE THE  
LOWEST RATES!**

## FUTURE MEETING DATES

**ARRS 2017  
ANNUAL MEETING**  
April 30–May 5, 2017  
Hyatt Regency New Orleans  
New Orleans, LA

**ARRS 2018  
ANNUAL MEETING**  
April 22–27, 2018  
Marriott Wardman Park Hotel  
Washington, DC

**ARRS 2019  
ANNUAL MEETING**  
May 5–10, 2019  
Hawaii Convention Center  
Honolulu, HI



CAN'T COME TO LOS ANGELES? PARTICIPATE ONLINE WITH THE VIRTUAL MEETING.