REGISTRATION INFORMATION

April 22-27, 2018

ARRS
Washington DC

Now with More On-Demand Credit and Two Categorical Courses—
Body MRI and Emergency Radiology

Register by February 16 to save!

www.arrs.org/meeting
Dear colleagues:

I invite you to join more than 3,000 radiologists from around the world to participate in the 2018 ARRS Annual Meeting in Washington, DC, April 22–27. At the ARRS Annual Meeting, you will experience unparalleled learning and networking opportunities in their purest form: dedicated professionals sharing breakthroughs, experience, and knowledge.

Featuring renowned experts, the educational program includes an array of instructional courses with practical insights you can implement immediately into your practice, hundreds of peer-reviewed exhibits, scientific sessions featuring timely research in radiology, and much more.

As part of the society’s initiative to support the most current educational needs within the specialty, this year’s meeting will feature two Categorical Courses, each providing a deeper dive into some of the most thriving areas of radiology today. Participate in one or both of these courses:

- **Body MRI: How to Provide Value-Based Care**—Experience an intensive review and clinically focused update on the optimal performance and interpretation of body MRI.

- **Imaging in the ED: A Practical Update of Emergency Radiology**—Review the status of imaging and protocols for a variety of suspected or known disorders in the emergency setting.

Our members tell us time and time again that this is the meeting where real learning happens, the meeting where they form true professional connections, and those unique qualities are what have established ARRS as a vanguard in continuing medical education. On behalf of the society, I invite you to join us for the 2018 Annual Meeting and engage in a professional dialogue that will enhance your skills and advance your career.

I look forward to seeing you in Washington, DC.

Bernard F. King, Jr., MD
ARRS President

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**NEW Annual Meeting Features**

- **Two Categorical Courses**—Body MRI and Emergency Radiology
- **Radiology Review Track included** with your general registration fee
- **On-demand sessions and electronic exhibits**—many offering credit
- **More credit than ever**—up to 198 CME credits available
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On-Demand Meeting Features

WITH ON-DEMAND CREDIT AVAILABLE!

At the ARRS Annual Meeting you don’t have to choose between sessions, networking, and exhibits. Meet radiology leaders from around the world, experience every session, and maximize your credit opportunities. Learn more on page 8–9.

Important Deadlines

Early-Bird Registration: FEBRUARY 16
Regular Registration: MARCH 30
Hotel Reservation: MARCH 30
Late Registration: APRIL 20 (ONLINE ONLY)

REGISTRATION SAVINGS

Register by the early-bird deadline, FEBRUARY 16, to receive the lowest rates!

REGISTER

Online: 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
Office Hours: Monday–Friday 8:30 am–5:00 pm Eastern Time Zone
Join us to explore a city full of rich cultural attractions, American history, and nightlife entertainment. Don’t miss the chance to:

- Dine on Capitol Hill at some of DC’s finest restaurants
- Peruse the halls of free Smithsonian museums
- Explore America’s most historic monuments and memorials
- Visit the world famous Tidal Basin where blooming cherry blossom trees bring millions of viewers each year
- Sit back on a double-decker tour bus and soak in some history

**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 on your own device or at a Connection Kiosk, 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 on Monday, April 23 through Thursday, April 26, so that attendees can make the most of their time and network with industry leaders and professional experts.

“Connect, learn, and advance is ARRS’ motto and I feel attendees really will be able to do that at this Annual Meeting.”

—Philip Costello, MD, Medical University of South Carolina
Exceptional Networking

The ARRS Annual Meeting is designed to provide attendees with unique networking opportunities to form real, face-to-face connections. Approach world-renowned faculty during coffee breaks, have lunch with decision makers, and start conversations with peers.

Win an Apple Watch and more

Play the Discover Roentgen Meeting Challenge!

This augmented reality scavenger hunt combines historical facts with case-based challenges and exhibitor quests—all from your mobile device.

Cherry Blossoms of the Tidal Basin

The cherry blossom trees that surround the world famous Tidal Basin should still be in bloom during the meeting. With over 3,800 trees planted, this historic national park, home to the Jefferson, FDR, and Martin Luther King Jr. Memorials, turns into a sea of pale pink and white blossoms from mid-March through the end of April. Take a walk around the waterfront path and enjoy one of DC’s most breathtaking views.

Lunch is on us!
Meeting Overview

The Annual Meeting will take place at the Marriott Wardman Park Hotel, located in the heart of Washington, DC, just steps from it all—dining, shopping, Rock Creek Park, the Smithsonian’s National Zoo, and the Metro. Learn more about the hotel and discounted room rates on page 29.

More than 150 Sessions

From Instructional Courses and Scientific Sessions, to early morning Power Hours, the ARRS Annual Meeting offers a variety of sessions across the spectrum of radiology to meet your professional needs.

Subspecialty Areas

- Breast Imaging
- Cardiac Imaging
- Chest Imaging
- Emergency Radiology
- Gastrointestinal Imaging
- Genitourinary Imaging
- Musculoskeletal Imaging
- Neuroradiology
- Noninterpretive Skills
- Nuclear Medicine
- Pediatric Imaging
- Ultrasound
- Vascular and/or Interventional Radiology

“All the subspecialties are covered and it’s a wonderful way every year to stay on top of things.”

—Bernard F. King, Jr., MD, Mayo Clinic
NEW Radiology Review Track

Now available at no additional cost!

This new educational track offers a broad review of cases across 11 subspecialties. Each session addresses one subspecialty and contains 60 minutes of case review and 30 minutes of didactic lecture. The rapid-fire case review will provide an even more comprehensive review of cases with limited differential diagnoses. Registrants can participate in these sessions at no additional cost—it’s all part of your general registration fee.

Resident Track

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

Can’t come to DC?
Participate in the Virtual Meeting!

Receive the same quality education that ARRS is known for with the Virtual Meeting. View live broadcasting of sessions and enjoy on-demand meeting features. By participating in the Virtual Meeting you can:

- Watch live sessions from your home or office
- Access on-demand recordings of any annual meeting session
- View Electronic Exhibits
- Earn up to 198 credits
- Ask questions of faculty online
- And more!

“ Incredible programs within every subspeciality of radiology.”

—Jonathan Lewin, MD, Emory University
On-Demand Meeting Features

*With on-demand CREDIT available*

The ARRS Annual Meeting offers an abundance of learning and networking opportunities, and now with our enhanced on-demand features you don’t have to choose. Network with leaders from around the world, experience every session, and maximize your credit opportunities.

Electronic Exhibits

*Select exhibits offer on-demand credit!*

Electronic Exhibits covering educational and scientific topics across 13 subspecialties will be available online April 22–July 27. More than 200 Electronic Exhibits will offer credit, for 55 CME/SA-CME credit opportunities. Electronic Exhibit credit must be claimed no later than July 27. Simply view the exhibits and answer the corresponding questions to earn your credit.

On-Demand Session Recordings

*Select session recordings offer on-demand credit!*

View recordings of every Annual Meeting session until July 27. Select sessions will be available with on-demand credit, for up to 95 CME/SA-CME credit opportunities. Simply view the select recordings and answer the corresponding questions to earn your credit. On-Demand Session credit must be claimed no later than July 27.
Groundbreaking Research

Search hundreds of abstracts by author, keyword, or subspecialty, and dive into original research. The 2018 Abstracts will be available to view at the start of the meeting, Sunday, April 22.

It’s all a part of your Annual Meeting experience, and we don’t want you to miss a single thing!

The ARRS Meeting App

So beneficial you’ll use it after the meeting!

Experience unlimited convenience and access the entire meeting with just a swipe of your finger.

With the ARRS Meeting App you can:
- Watch on-demand session recordings
- Claim credit
- View 500+ Electronic Exhibits
- Find and message an attendee
- View Daily Cases
- And more!

“It has all the things that are relevant to me in a practical format.”

—Stamatia Destounis, MD, Elizabeth Wende Breast Care, LLC

Available to Annual and Virtual meeting attendees!
Featured Events

**NOW INCLUDING**

**Two Categorical Courses**

**Body MRI: How to Provide Value-Based Care**
Sunday, April 22–Tuesday, April 24
The course will provide an intensive review and clinically focused update on the optimal performance and interpretation of body MRI. View more details including the complete session schedule on pages 12–13.

**Imaging in the ED: A Practical Update of Emergency Radiology**
Wednesday, April 25–Friday, April 27
This course will present a practical state-of-the-art overview of emergency imaging. View more details including the complete session schedule on pages 14–15.

**How Radiologists Get Paid: Today and Tomorrow**
Sunday, April 22, 7:30–9:30 am
*Presented in cooperation with the American College of Radiology*
This session will feature five interrelated lectures regarding the Centers for Medicare and Medicaid services’ (CMS) payment policy under the Quality Payment Program (QPP). Lectures will feature discussion on the latest permutation of the pay-for-performance system and the Merit-based Incentive Payment System (MIPS), the basic principles of MIPS, Alternative Payment Models (APMs), the future of healthcare payment policy, and much more.

**Rock the Review: How to Get a Perfect Manuscript Score**
Sunday, April 22, 7:30–9:30 am
*Satisfies the New Reviewer Orientation Requirement*
This session will provide a unique opportunity for open exchange between editors, AJR staff, and new or current reviewers to clarify the importance, consistency, and timeliness of the scientific peer-review process.

**Contrast Reaction: Now What Do I Do? Part 2**
Sunday, April 22, 10:00 am–12:00 noon
Using a case-based clinical scenario format, this course will discuss various iodinated contrast reactions, Gd-DTPA-related reactions, contrast extravasations and the management of such, and also highlight the new changes that were just released on the pre-medication of contrast-allergic patients in the 10.3 version of the ACR Manual On Contrast Media. Attending Part 1 of this course at the 2017 Annual Meeting is not necessary to participate.

**Beyond the Screening Mammography Debate: Harmonizing Recommendations to Inform Choice**
Sunday, April 22, 10:00 am–12:00 noon
Today’s healthcare policies and guidelines for breast cancer screening with mammography are not harmonized, and as a result, breast imagers and allied health professionals are faced with the daily challenge of communicating with patients and providers, making recommendations, and operating within the standard of care. This course will address these challenges in everyday practice as faculty discuss solutions that enable informed medical decision making.

**Radiology Year in Review**
Sunday, April 22, 3:30–4:30 pm
Given the growing number of radiology journals as well as the increasing complexity of radiologists’ practices, staying on top of the latest peer-reviewed, published literature can be challenging. This session will help address this challenge by providing key findings from articles in the past year that are most likely to impact radiologists’ practice.
Resident Symposium

Hear from fellowship directors!

Sunday, April 22  1:00–3:00 pm (Part 1)
               3:30–4:30 pm (Part 2)

This symposium will provide residents the opportunity to focus on interview skills, develop an understanding of the fellowship process in radiology, discuss work-life balance, and more. In addition to lectures, the symposium will also feature a 1-hour panel discussion with fellowship directors, with time allocated for residents to ask questions.

Immersive & Augmented Reality in Imaging

Sunday, April 22  1:00–3:00 pm

This course will introduce the concepts of immersive and augmented reality and demonstrate the current applications of this technology for radiology. Immersive reality interventional radiology modules that can be viewed on readily available viewers and smartphones will be demonstrated. The application of Dicom images using augmented reality will also be demonstrated. Although recommended, a smartphone and 3D Viewer, such as Google Cardboard, are not required for this course.

Imaging Sports Injuries:
Perspectives from Brazil and USA

Sunday, April 22  1:00–3:00 pm (Part 1)
               3:30–5:00 pm (Part 2)

Experts in imaging from the Brazilian College of Radiology and Diagnostic Imaging and ARRS will present on various aspects of sport injuries. This forum will include discussion of Brazil’s experiences with Olympic and World Cup athletics.
Body MRI: How to Provide Value-Based Care

CATEGORICAL COURSE

SUNDAY, APRIL 22 – TUESDAY, APRIL 24
The course will provide an intensive multi-day review in body MRI that is designed to provide a clinically focused update on the current optimal performance and interpretation of body MRI across a broad range of real life applications. Nationally recognized experts will incorporate scenario-based examples, cutting-edge reviews, practice tips tailored to daily clinical experience, and more.

Learning Outcomes
After attending this course, the attendee will be able to:

■ Perform and interpret body MRI at a high level across a range of applications
■ Describe and implement LI-RADS for reporting of liver lesions in patients with cirrhosis
■ Discuss updated concepts in prostate MRI, including PI-RADS and MRI targeted biopsy
■ Discuss the indications for adding MRI to ultrasound in gynecologic disease
■ Describe critical MRI findings in adult and pediatric patients with diseases of the liver, pancreas, biliary system, gastrointestinal tract, genitourinary, and musculoskeletal system

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

Included With Course Registration
Each registrant will receive the accompanying book, featuring a corresponding chapter for each scheduled presentation. Individuals who register for the Virtual Meeting Body MRI Course after March 30 will receive the book approximately two months after the Virtual Meeting takes place. To receive the book to use with the Virtual Categorical Course, be sure to register prior to March 30.

<table>
<thead>
<tr>
<th>Registration</th>
<th>ARRS Member</th>
<th>ARRS In-Training Member</th>
<th>Nonmember</th>
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<tbody>
<tr>
<td>Annual Meeting Body MRI: How to Provide Value-Based Care</td>
<td>$205</td>
<td>$405</td>
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</tr>
<tr>
<td>Virtual Meeting Body MRI: How to Provide Value-Based Care</td>
<td>$255</td>
<td>$455</td>
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ARRS 2018 ANNUAL MEETING | www.arrs.org/meeting
**Course Schedule**

“By attending the categorical course, you can take that information and apply it to practice tomorrow.”
— Sanjeev Bhalla, MD, Mallinckrodt Institute of Radiology

<table>
<thead>
<tr>
<th>SUNDAY, APRIL 22, 2018</th>
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<tbody>
<tr>
<td><strong>7:30–9:30 AM</strong></td>
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<tr>
<td><strong>GENERAL</strong></td>
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<tr>
<td>State of the Art Abdominal MRI: An Update</td>
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<tr>
<td>Keeping Patients Safe in the MR Environment</td>
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<tr>
<td>Body MRI: Pitfalls and Artifacts</td>
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<tr>
<td>Diffusion MRI: Should it be Routine in the Abdomen and Pelvis?</td>
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<tr>
<td><strong>10:00 AM–12:00 NOON</strong></td>
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<tr>
<td><strong>HEPATOBIILIARY</strong></td>
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<tr>
<td>Imaging Fat, Iron, and Fibrosis</td>
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<tr>
<td>Benign Hepatic Tumors: Imaging and Management</td>
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<tr>
<td>Imaging of Focal Disease in the Cirrhotic Liver (LI-RADS)</td>
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<tr>
<td>MRCP and Biliary Disease</td>
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<tr>
<td><strong>1:00–3:00 PM</strong></td>
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<tr>
<td><strong>PANCREAS</strong></td>
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<tr>
<td>Pancreatic Adenocarcinoma</td>
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<tr>
<td>Pitfalls in Pancreatic Imaging</td>
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<tr>
<td>MR of Pancreatic Cystic Neoplasms</td>
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<tr>
<td>MRI of Pancreatitis</td>
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<tr>
<td><strong>3:30–5:30 PM</strong></td>
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<tr>
<td><strong>GENITOURINARY</strong></td>
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<tr>
<td>MRI of Solid Renal Masses</td>
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<tr>
<td>MRI of Adrenal Masses</td>
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<td>MRI of Cystic Renal Masses</td>
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<tr>
<td>MR Urography</td>
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<thead>
<tr>
<th>MONDAY, APRIL 23, 2018</th>
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<tbody>
<tr>
<td><strong>7:30–9:30 AM</strong></td>
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<tr>
<td><strong>GASTROINTESTINAL</strong></td>
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<tr>
<td>MRI of Anal and Perianal Disease</td>
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<tr>
<td>Rectal Cancer</td>
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<tr>
<td>MR Enterography: Maximizing Value</td>
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<tr>
<td>MR Defecography</td>
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<tr>
<td><strong>10:00 AM–12:00 NOON</strong></td>
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<tr>
<td><strong>OBSTETRICS/GYNECOLOGY</strong></td>
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<tr>
<td>Management of Incidental Findings of the Adnexa on MRI</td>
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<tr>
<td>Benign Uterine Disease</td>
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<tr>
<td>Uterine Malignancy: Incremental Role of MRI</td>
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<tr>
<td>MRI in Pregnancy</td>
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<tr>
<td><strong>1:00–3:00 PM</strong></td>
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<tr>
<td><strong>MUSCULOSKELETAL</strong></td>
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<tr>
<td>MRI of Ankle and Foot</td>
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<td>MRI of Knee</td>
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<tr>
<td>MRI of Hip</td>
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<tr>
<td>MRI of Shoulder</td>
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<tr>
<td><strong>3:30–5:30 PM</strong></td>
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<tr>
<td><strong>HOT TOPICS/GENERAL</strong></td>
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<tr>
<td>Prostate MRI: PI-RADS in Practice</td>
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<tr>
<td>Gadolinium Toxicity: Where Do We Stand in 2018?</td>
</tr>
<tr>
<td>Current Clinical Applications of Combined PET/MRI</td>
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<tr>
<td>MRI Quality Assurance: Lessons Learned</td>
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<tr>
<th>TUESDAY, APRIL 24, 2018</th>
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<tbody>
<tr>
<td><strong>7:30–9:30 AM</strong></td>
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<tr>
<td><strong>CARDIOVASCULAR</strong></td>
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<tr>
<td>MRI of Ischemic Heart Disease</td>
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<tr>
<td>MRI of Non-Ischemic Cardiac Disease</td>
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<tr>
<td>MRI of Myocarditis and Pericarditis</td>
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<tr>
<td>MRA of Large and Medium Vessels</td>
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<tr>
<td><strong>10:00 AM–12:00 NOON</strong></td>
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<tr>
<td><strong>PEDIATRICS</strong></td>
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<tr>
<td>Practical MRI of Pediatric Lungs and Airways: What is New?</td>
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<tr>
<td>Pediatric Abdominopelvic Congenital Masses: MRI Techniques and Findings</td>
</tr>
<tr>
<td>Pediatric Oncology MR Imaging: Current Diagnostic Strategies</td>
</tr>
<tr>
<td>Up to Date: Pediatric MRI of Musculoskeletal Disorders</td>
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</table>

**COURSE DIRECTORS:**
Fergus V. Coakley, MD; Koenraad J. Mortele, MD
Imaging in the ED: A Practical Update of Emergency Radiology

CATEGORICAL COURSE

WEDNESDAY, APRIL 25–FRIDAY, APRIL 27

This course will review the current status of imaging and imaging protocols for a variety of suspected or known disorders in the emergency setting. Accomplished experts will review examples from clinical practice, share insights into potential pitfalls of imaging performance and interpretation, and much more.

Learning Outcomes

After attending this course, the attendee will be able to:

■ Review the current status of emergency imaging in a broad spectrum of topics
■ Evaluate current protocols for imaging the body in emergency situations with multiple imaging modalities
■ Identify typical and atypical emergency presentations of multiple disorders
■ Recognize potential pitfalls in the performance and interpretation of emergency imaging

Registration

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

Included With Course Registration

Each registrant will receive the accompanying book, featuring a corresponding chapter for each scheduled presentation. Individuals who register for the Virtual Meeting Emergency Radiology Course after March 30 will receive the book approximately two months after the Virtual Meeting takes place. To receive the book to use with the Virtual Categorical Course, be sure to register prior to March 30.

Registration Fees

<table>
<thead>
<tr>
<th>Additional Registration Fee</th>
<th>ARRS Member</th>
<th>ARRS In-Training Member</th>
<th>Nonmember</th>
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<tbody>
<tr>
<td>Annual Meeting Imaging in the ED: A Practical Update of Emergency Radiology</td>
<td>$205</td>
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<td>Virtual Meeting Imaging in the ED: A Practical Update of Emergency Radiology</td>
<td>$255</td>
<td>$455</td>
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</table>
### WEDNESDAY, APRIL 25, 2018

**7:30-9:30 AM**

**CENTRAL NERVOUS SYSTEM EMERGENCIES**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>Traumatic Brain Injury</td>
<td>T. Ptak, MD, PhD</td>
</tr>
<tr>
<td>Acute Ischemic Stroke</td>
<td>M. Lev, MD</td>
</tr>
<tr>
<td>Central Nervous System Infections</td>
<td>K. Fink, MD</td>
</tr>
<tr>
<td>Non-Traumatic Neurological Emergencies</td>
<td>M. Larvie, MD</td>
</tr>
</tbody>
</table>

**10:00 AM - 12:00 NOON**

**FACE AND NECK EMERGENCIES**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>Imaging Maxillofacial Trauma: Saving Face</td>
<td>M. Bernstein, MD</td>
</tr>
<tr>
<td>Non-Traumatic Face Emergencies</td>
<td>C. Potter, MD</td>
</tr>
<tr>
<td>Blunt and Penetrating Neck Injuries</td>
<td>M. Parsons, MD</td>
</tr>
<tr>
<td>Acute Neck Infections</td>
<td>W. Kubal, MD</td>
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**1:00-3:00 PM**

**SPINE EMERGENCIES**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
</tr>
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<tbody>
<tr>
<td>Cervical Spine Trauma</td>
<td>O. Ortiz, MD, MBA</td>
</tr>
<tr>
<td>Thoracolumbar Spine Trauma</td>
<td>K. Linnau, MD</td>
</tr>
<tr>
<td>Acute Back Pain</td>
<td>L. Shah, MD</td>
</tr>
<tr>
<td>Imaging of Spinal Infections</td>
<td>M. Castillo, MD</td>
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</tbody>
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**3:30-5:30 PM**

**THORACIC EMERGENCIES**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>Non-Aortic Chest Trauma</td>
<td>J. Wortman, MD</td>
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<tr>
<td>Acute Chest Infections</td>
<td>G. Abbott, MD</td>
</tr>
<tr>
<td>Iatrogenic Chest Emergencies</td>
<td>L. Avery, MD</td>
</tr>
<tr>
<td>Emergency Cardiac Imaging</td>
<td>S. Nicolau, MD</td>
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</table>

### THURSDAY, APRIL 26, 2018

**7:30-9:30 AM**

**ABDOMINAL EMERGENCIES**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>Blunt Abdominal Trauma</td>
<td>M. Patlas, MD, FRCP</td>
</tr>
<tr>
<td>Penetrating Abdominal and Pelvic Trauma</td>
<td>F. Munera, MD</td>
</tr>
<tr>
<td>Imaging of Acute Right Lower Quadrant Pain</td>
<td>A. Singh, MD</td>
</tr>
<tr>
<td>Acute Left Lower Quadrant Pain</td>
<td>J. Uyeda, MD</td>
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**10:00 AM - 12:00 NOON**

**PELVIC AND GENITOURINARY EMERGENCIES**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>Pelvic Trauma</td>
<td>C. LeBedis, MD</td>
</tr>
<tr>
<td>Imaging Of Acute and Emergent Conditions in the First Trimester of Pregnancy</td>
<td>M. Mostavi, MD</td>
</tr>
<tr>
<td>Scrotal Emergencies</td>
<td>L. Scoutt, MD</td>
</tr>
<tr>
<td>Gynecologic Emergencies</td>
<td>R. Levenson, MD</td>
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**1:00-3:00 PM**

**VASCULAR EMERGENCES**

<table>
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<tr>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>Aortic Trauma</td>
<td>K. Shanmuganathan, MD</td>
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<tr>
<td>Imaging of Non-Traumatic Aortic Emergencies</td>
<td>S. Ledbetter, MD</td>
</tr>
<tr>
<td>Computed Tomography in Diagnosis of Acute Pulmonary Embolism</td>
<td>C. Raptop, MD</td>
</tr>
<tr>
<td>Imaging of Venous Thrombosis</td>
<td>V. Melnick, MD</td>
</tr>
</tbody>
</table>

**3:30-5:30 PM**

**UPPER EXTREMITY EMERGENCIES**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shoulder and Elbow Trauma</td>
<td>A. Sheikh, MD</td>
</tr>
<tr>
<td>Acute Wrist and Hand Injuries</td>
<td>J. Flug, MD, MBA</td>
</tr>
<tr>
<td>Imaging of Non-Traumatic Upper Extremity Emergencies</td>
<td>J. Mandell, MD</td>
</tr>
<tr>
<td>MR Imaging of Urgent Conditions of the Upper Extremity</td>
<td>J. Yiu, MD</td>
</tr>
</tbody>
</table>

### FRIDAY, APRIL 27, 2018

**8:00-10:00 AM**

**LOWER EXTREMITY EMERGENCIES**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hip and Knee Injuries</td>
<td>S. Smith, MD</td>
</tr>
<tr>
<td>Injuries Around the Ankle and Hind Foot</td>
<td>M. Kumaravel, MD, FRCP</td>
</tr>
<tr>
<td>Imaging of Non-Traumatic Lower Extremity Emergencies</td>
<td>A. Asrani, MD</td>
</tr>
<tr>
<td>MR Imaging of Lower Traumatic Extremity Emergencies</td>
<td>J. Baker, MD</td>
</tr>
</tbody>
</table>

**10:30 AM - 12:30 PM**

**PEDIATRIC EMERGENCIES**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pediatric Head and Neck Emergencies</td>
<td>K. Shekdar, MD</td>
</tr>
<tr>
<td>Pediatric Chest Emergencies</td>
<td>C. Sivit, MD</td>
</tr>
<tr>
<td>A Review of Common Abdominal Emergencies in the Pediatric Population</td>
<td>T. Tao, MD, PhD</td>
</tr>
<tr>
<td>Pediatric Musculoskeletal Emergencies</td>
<td>T. Alves, MD</td>
</tr>
</tbody>
</table>

**Course Schedule**

“Every year I look forward to the categorical courses. I think they are the most exciting part of the meeting.”

—Ruth Carlos, MD, University of Michigan
NEW Radiology Review Track

Now available at no additional cost!
This new educational track offers a broad review of cases across 11 subspecialties. Each session addresses one subspecialty and contains 60 minutes of case review and 30 minutes of didactic lecture. The rapid-fire case review will provide an even more comprehensive review of cases with limited differential diagnoses. Registrants can participate in these sessions at no additional cost—it’s all part of your general registration fee.

TUESDAY, APRIL 24
1:30–5:00 pm
Radiology Review: Neuroradiology
B. Soares, K. Fink, A. Bhatt, T. Kennedy
3:30–5:00 pm
Radiology Review: Nuclear Medicine
C. Wright, J. McConathy, P. Kuo, P. Bhambhvani

WEDNESDAY, APRIL 25
8:30–10:00 am
Radiology Review: Genitourinary Imaging
M. Manning, M. Heller, A. Kielar, D. Marin
10:30 am–12:00 noon
Radiology Review: Gastrointestinal Imaging
V. Mellnick, R. O’Malley, E. Stein, C. Santillan

THURSDAY, APRIL 26
1:30–3:00 pm
Radiology Review: Chest Imaging
3:30–5:00 pm
Radiology Review: Pediatric Imaging
A. Chaturvedi, D. Saul, U. Udayasankar, J. Reid, L. Fenton

TUESDAY, APRIL 24
8:30–10:00 am
Radiology Review: Ultrasound
C. Deurdulian, A. Kennedy, G. Joshi, A. Kamaya
10:30 am–12:00 noon
Radiology Review: Musculoskeletal Imaging
A. Huang, J. Baker, F. Beaman, H. Garner

FRIDAY, APRIL 28
8:30–10:00 am
Radiology Review: Breast Imaging
P. Huynh, S. Destounis, B. Adrada, L. Margolies
10:30 am–12:00 noon
Radiology Review: Vascular and/or Interventional
R. Ramaswamy, R. Liddell, E. Ignacio, D. Abdollahian

Chair: Cynthia Santillan, MD

Luncheon Symposia Series
Have lunch while you learn at the ARRS Luncheon Symposia. Complimentary Lunch provided by ARRS.

MONDAY, APRIL 23
12:15–1:15 pm
Lunch and Learn with Bracco Diagnostics
Join Bracco Diagnostics for lunch and hear updates on some of the most important topics and challenges facing radiologists today. Hear from professional experts and walk away with new knowledge and perspectives you can apply to your daily practice.

TUESDAY, APRIL 24
12:15–1:15 pm
A Review of the Safety of Gadolinium-based Contrast Agents in Pediatric Imaging
Shannon G. Farmakis, M.D.
1 CME Credit
Contrast-enhanced MRI has become an increasingly utilized imaging modality in the pediatric population. Familiarity with the safety profiles of the various gadolinium-based contrast agents (GBCAs) and approved indications is important in managing this group of patients.

FIND OUT HOW TO REGISTER FOR THESE SYMPOSIA AT WWW.ARRS.ORG/LUNCHSYMPOSIA

The educational events listed above are not part of the ARRS CME program, and ARRS has had no role in the development of the content. Any opinions or conclusions expressed are solely those of the presenters. Where noted, CME is made available by third party providers. Credit must be claimed through the accrediting organization and separately from your ARRS Annual Meeting or Virtual Meeting credit. Please contact the respective provider for more information.

The Institute for Advanced Medical Education (IAME) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Institute for Advanced Medical Education (IAME) designates this enduring material for a maximum of 1 AMA/PRA Category 1 CME Credit™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
### Daily Schedule

#### Sunday, April 22, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30–9:30 am</td>
<td><strong>PED.</strong> Rock the Review: How to Get a Perfect Manuscript Score</td>
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<tr>
<td></td>
<td>T. Berquist, J. Provenzale</td>
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<td>2 CME Credits</td>
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<td></td>
<td><strong>RESIDENT</strong></td>
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<tr>
<td>9:30–10:00 am</td>
<td><strong>PS18.</strong> How Radiologists Get Paid: Today and Tomorrow</td>
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<td></td>
<td>G. Nicola, L. Golding, J. Hirsch, R. Duszak</td>
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<td></td>
<td>2 CME Credits</td>
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<tr>
<td>10:00 am–12:00 noon</td>
<td>Beverage Break</td>
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</table>

#### Monday, April 23, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:00–8:00 am</td>
<td><strong>IC101.</strong> Imaging Sports Injuries: Perspectives from Brazil and USA Part 1</td>
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<tr>
<td></td>
<td>M. Rocha, D. Blankenbaker</td>
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<tr>
<td></td>
<td>2 CME Credits</td>
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<tr>
<td>8:30–10:00 am</td>
<td><strong>IC102.</strong> Power Hour: Musculoskeletal Imaging</td>
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<td>1 CME Credit</td>
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<td><strong>RESIDENT</strong></td>
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<tr>
<td></td>
<td><strong>IC103.</strong> Imaging Sports Injuries: Perspectives from Brazil and USA Part 2</td>
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<tr>
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<td>M. Rocha, D. Blankenbaker</td>
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<tr>
<td></td>
<td>2 CME Credits</td>
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<tr>
<td>12:15–1:15 pm</td>
<td><strong>Lunch–Connection Quad</strong></td>
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</tbody>
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**IC = INSTRUCTIONAL COURSE**  
**SS = SCIENTIFIC SESSION**  
**PH = POWER HOUR**  
**RC = RADIOLOGY REVIEW COURSE**
### Daily Schedule

**TUESDAY, APRIL 24, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:00–8:00 am</td>
<td>Power Hour: Gastrointestinal Imaging</td>
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<td>PH03: Power Hour: Gastrointestinal Imaging</td>
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<td>1 CME Credit</td>
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<tr>
<td>8:30–10:00 am</td>
<td>Upper Extremity Imaging: Shoulder to Elbow</td>
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<td></td>
<td>IC201: Upper Extremity Imaging: Shoulder to Elbow</td>
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<tr>
<td></td>
<td>L. Bancroft, C. French, C. Petchprapa</td>
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<td>1.5 CME Credits</td>
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<td>RESIDENT</td>
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<tr>
<td>10:30 am–12:00 noon</td>
<td>Tomosynthesis: How it is Changing Our Practice</td>
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<td>IC208: Tomosynthesis: How it is Changing Our Practice</td>
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<td>M. Raghu, M. Durand</td>
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<td>1.5 CME Credits</td>
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<tr>
<td>12:15–1:15 pm</td>
<td>Lunch–Connection Quad</td>
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<tr>
<td>1:30–3:00 pm</td>
<td>Imaging Acute Chest Emergencies</td>
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<td></td>
<td>IC210: Imaging Acute Chest Emergencies</td>
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<tr>
<td></td>
<td>D. Litmanovich, S. Bhalla, C. White, D. Vargas</td>
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<tr>
<td></td>
<td>1.5 CME Credits, 1.5 SAM Credits</td>
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<tr>
<td>3:00–3:30 pm</td>
<td>Beverage Break</td>
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<tr>
<td>3:30–5:00 pm</td>
<td>Imaging Acute Chest Emergencies</td>
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<td></td>
<td>IC214: Imaging Acute Chest Emergencies</td>
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<td></td>
<td>M. Truong, J. Ko, R. Madan, S. Pipavath</td>
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<td></td>
<td>1.5 CME Credits, 1.5 SAM Credits</td>
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<tr>
<td>5:00–5:45 pm</td>
<td>SRS Program: Nuclear Medicine: A Brief History and Influence on 21st Century Medical Imaging</td>
</tr>
</tbody>
</table>
DAILY SCHEDULE

WEDNESDAY, APRIL 25, 2018

7:00–8:00 am
PH05. Power Hour: Breast Imaging
1 CME Credit

PH06. Power Hour: General/Emergency Radiology
1 CME Credit

8:30–10:00 am
IC301. Lower Extremity Sports Injuries: Beyond the Joints
D. Fessel, N. Nacey, M. Anderson
1.5 CME Credits
RESIDENT

IC302. Result Notifications and Contrast Media
R. Groves, M. Zagurovska, M. Mathur
1.5 CME Credits, 1.5 SAM Credits
SAM
ON-DEMAND CREDIT

IC303. ABR Update 2018: MOC
B. Wagner, L. Kachnic, V. Jackson
1.5 CME Credits

RC03. Radiology Review: Genitourinary Imaging
V. Mellnick, R. O’Malley, E. Stein, A. Kamaya
1.5 CME Credits, 1.5 SAM Credits
SAM
RESIDENT
ON-DEMAND CREDIT

SS12. Efficacy/Education/Administration
1.5 CME Credits

SS13. Gastrointestinal Imaging
1.5 CME Credits

9:30–10:30 am
Beverage Break

10:30 am–12:00 noon
IC304. Contrast Enhanced and Molecular Imaging of the Breast
D. Plecha, B. Patel, J. Giesbrandt
1.5 CME Credits

IC305. Problem Solving in Gynecologic Ultrasound
S. Sheth, J. Langer, M. Horow
1.5 CME Credits
RESIDENT

IC306. Conditions Affecting the Pulmonary Arteries
I. Vlahos, A. Huete, C. Dennie, J. Bueno
1.5 CME Credits, 1.5 SAM Credits
SAM
ON-DEMAND CREDIT

RC04. Radiology Review: Gastrointestinal Imaging
V. Mellnick, R. O’Malley, E. Stein, A. Santillan
1.5 CME Credits, 1.5 SAM Credits
SAM
RESIDENT
ON-DEMAND CREDIT

12:15–1:15 pm
Lunch–Connection Quad

1:30–3:00 pm
IC307. Ultrasound Case by Case: A Rapid Fire Session
S. Rodgers, K. Robinson, V. Dogra
1.5 CME Credits, 1.5 SAM Credits
SAM
RESIDENT
ON-DEMAND CREDIT

IC308. Head and Neck Potpourri
A. Srinivasan, C. Glastonbury, R. Khan
1.5 CME Credits
RESIDENT

IC309. Topics in Gynecologic Imaging
A. Shaaban, C. Menias, A. Venkatesan
1.5 CME Credits
RESIDENT

IC310. Hot Topics in Cardiac Imaging
P. Rajiah, U. Schoepf, B. Ghoshhajra, C. Francois
1.5 CME Credits

RC05. Radiology Review: Chest Imaging
1.5 CME Credits, 1.5 SAM Credits
SAM
RESIDENT
ON-DEMAND CREDIT

SS16. Breast Imaging
1.5 CME Credits

3:00–3:30 pm
Beverage Break

3:30–5:00 pm
IC311. Breast Imaging: Pitfalls and Artifacts
H. Marshall, J. Leung, S. Maimone
1.5 CME Credits, 1.5 SAM Credits
SAM
RESIDENT
ON-DEMAND CREDIT

IC312. Advanced Applications in Abdominal Imaging
B. Yeh, B. Taouli, K. Fowler
1.5 CME Credits
RESIDENT

IC313. MRI in Spine Emergencies
J. Talbott, J. Go, C. Torres
1.5 CME Credits
RESIDENT

RC07. Radiology Review: Pediatric Imaging
A. Chaturvedi, D. Saul, U. Udayasankar, J. Reid, L. Fenton
1.5 CME Credits, 1.5 SAM Credits
SAM
RESIDENT
ON-DEMAND CREDIT

SS17. Cardiac Imaging
1.5 CME Credits

THURSDAY, APRIL 26, 2018

7:00–8:00 am
PH07. Power Hour: Neuroradiology
1.5 CME Credit

PH08. Power Hour: Genitourinary Imaging
1.5 CME Credit

8:30–10:00 am
IC401. Imaging of the Knee, Ankle, and Foot
J. Peterson, D. Goodwin, F. Beaman
1.5 CME Credits, 1.5 SAM Credits
SAM
RESIDENT
ON-DEMAND CREDIT

IC402. Management of Portal Hypertension: 2018 Update
W. Saad, E. Lee, A. Fischman
1.5 CME Credits
RESIDENT

IC403. Patient Centered Radiology and Procedural Competency
J. Kemp, P. Haar, M. Mendiratta-Lala
1.5 CME Credits
RESIDENT

RC07. Radiology Review: Ultrasound
C. Deurdulian, A. Kennedy, G. Joshi, A. Kamaya
1.5 CME Credits, 1.5 SAM Credits
SAM
RESIDENT
ON-DEMAND CREDIT

SS18. Cardiac Imaging
1.5 CME Credits

SS19. Chest Imaging
1.5 CME Credits
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speakers</th>
<th>CME Credits</th>
<th>SAM Credits</th>
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</thead>
<tbody>
<tr>
<td>9:30–10:30 am</td>
<td>Beverage Break</td>
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<tr>
<td>10:30 am–12:00 noon</td>
<td><strong>IC404. Non-Traumatic Head and Neck Emergency</strong>&lt;br&gt;N. Koontz, M. Jhaveri, M. Cunnane&lt;br&gt;1.5 CME Credits&lt;br&gt;RESIDENT</td>
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<td><strong>IC405. Pitfalls in Abdominal Imaging</strong>&lt;br&gt;E. Remer, D. DiSantis, D. Katz&lt;br&gt;1.5 CME Credits</td>
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<td><strong>IC406. Pediatric Radiology from Neck to Bottom to Back</strong>&lt;br&gt;J. Squires, E. Rubesova, C. Silva, T. Levin&lt;br&gt;1.5 CME Credits, 1.5 SAM Credits&lt;br&gt;SAM RESIDENT</td>
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<td>ON-DEMAND CREDIT</td>
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<td>3:00–3:30 pm</td>
<td>Beverage Break</td>
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<td>3:30–5:00 pm</td>
<td><strong>IC410. Signs in Chest Radiology</strong>&lt;br&gt;G. Abbott, R. Shah, S. Bhalla&lt;br&gt;1.5 CME Credits&lt;br&gt;RESIDENT</td>
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<td><strong>IC411. Pediatric Neuroradiology</strong>&lt;br&gt;I. Izbudak, M. Ibrahim, S. Pruthi, J. Miller&lt;br&gt;1.5 CME Credits</td>
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<td><strong>IC412. Changes in Breast Imaging: MQSA and ACOs</strong>&lt;br&gt;J. Hayward, B. Joe, J. Parikh&lt;br&gt;1.5 CME Credits</td>
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<td><strong>IC413. Hepatobiliary Imaging</strong>&lt;br&gt;S. Hussain, D. Ganesan, R. Iha&lt;br&gt;1.5 CME Credits, 1.5 SAM Credits&lt;br&gt;SAM ON-DEMAND CREDIT</td>
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<td><strong>SS24. Efficacy/Education/Administration</strong>&lt;br&gt;S. Gyftopoulos, J. Carrino, R. Adler&lt;br&gt;1.5 CME Credits</td>
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<td>5:00–5:30 pm</td>
<td>Beverage Break</td>
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<td>5:30–7:00 pm</td>
<td><strong>RC08. Radiology Review: Musculoskeletal Imaging</strong>&lt;br&gt;A. Huang, J. Baker, F. Beaman, H. Garner&lt;br&gt;1.5 CME Credits, 1.5 SAM Credits&lt;br&gt;SAM RESIDENT</td>
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<td>ON-DEMAND CREDIT</td>
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<td><strong>RC09. Radiology Review: Cardiac Imaging</strong>&lt;br&gt;K. Hanneman, T. Henry, S. Agarwal, J. Nance&lt;br&gt;1.5 CME Credits, 1.5 SAM Credits&lt;br&gt;SAM RESIDENT</td>
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<td><strong>SS22. Neuroradiology</strong>&lt;br&gt;1.5 CME Credits</td>
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<td><strong>SS23. Musculoskeletal Imaging</strong>&lt;br&gt;1.5 CME Credits</td>
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<td>7:00–8:00 am</td>
<td>PH09. Power Hour: Cardiac Imaging&lt;br&gt;1 CME Credit</td>
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<td>PH10. Power Hour: Ultrasound&lt;br&gt;1 CME Credit</td>
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<td>8:30–10:00 am</td>
<td><strong>IC501. Pediatric Neuroradiology Must Knows</strong>&lt;br&gt;S. Pruthi, M. Zapadka, M. Shroff&lt;br&gt;1.5 CME Credits&lt;br&gt;RESIDENT</td>
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<td><strong>IC502. Complex/Challenging Cases in Interventional Oncology</strong>&lt;br&gt;D. Madoff, S. Ganguli, M. Schiffman&lt;br&gt;1.5 CME Credits</td>
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<td><strong>IC503. Colorectal Imaging</strong>&lt;br&gt;M. Lubner, I. Petkovska, D. Kim&lt;br&gt;1.5 CME Credits, 1.5 SAM Credits&lt;br&gt;SAM ON-DEMAND CREDIT</td>
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<td><strong>RC10. Radiology Review: Breast Imaging</strong>&lt;br&gt;P. Huynh, S. Destouris, B. Adrada, L. Margolies&lt;br&gt;1.5 CME Credits, 1.5 SAM Credits&lt;br&gt;SAM RESIDENT</td>
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<td>10:00–10:30 am</td>
<td>Beverage Break</td>
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<td>10:30 am–12:00 noon</td>
<td><strong>IC504. Imaging of the Pancreas</strong>&lt;br&gt;K. Sandrasegaran, E. Paulson, E. Tamm&lt;br&gt;1.5 CME Credits&lt;br&gt;RESIDENT</td>
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<td><strong>IC505. Cardiac Imaging in Specific Clinical Settings</strong>&lt;br&gt;J. Hsu, A. Shah, K. Cummings, S. Patel&lt;br&gt;1.5 CME Credits, 1.5 SAM Credits&lt;br&gt;SAM RESIDENT</td>
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<td><strong>IC506. Peripheral Nerves: Imaging and Interventions</strong>&lt;br&gt;S. Gyftopoulos, J. Carrino, R. Adler&lt;br&gt;1.5 CME Credits&lt;br&gt;RESIDENT</td>
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<td><strong>RC11. Radiology Review: Vascular and/or Interventional</strong>&lt;br&gt;R. Ramaswamy, R. Liddell, E. Ignacio, D. Abdollahian&lt;br&gt;1.5 CME Credits, 1.5 SAM Credits&lt;br&gt;SAM RESIDENT</td>
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<td><strong>SS26. Nuclear Medicine</strong>&lt;br&gt;1.5 CME Credits</td>
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<td><strong>SS27. Efficacy/Education/Administration</strong>&lt;br&gt;1.5 CME Credits</td>
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<td><strong>SS28. Chest Imaging</strong>&lt;br&gt;1.5 CME Credits</td>
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<td><strong>SS29. Gastrointestinal Imaging</strong>&lt;br&gt;1.5 CME Credits</td>
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</table>
SUBSPECIALTY SCHEDULE

BREAST IMAGING

SUNDAY, APRIL 22, 2018
10:00 am–12:00 noon

SMD. Beyond the Screening Mammography Debate
M. Karmo, M. Javitt, R. Smith, J. Keen, D. Kopans, S. Destounis, E. Mendelson, R. Brem
2 CME Credits

MONDAY, APRIL 23, 2018
8:30–10:00 am

IC102. Breast Ultrasound: From Screening to Biopsy
W. Berg, J. Rapelyea, D. Gupta
1.5 CME Credits

10:30 am–12:00 noon

SS04. Breast Imaging
1.5 CME Credits

3:30–5:00 pm

IC115. RadPath Concordance and Breast Cancer Biology
N. Constantinou, H. Gilmore, E. McDonald
1.5 CME Credits, 1.5 SAM Credits

SAM RESIDENT

ON-DEMAND CREDIT

TUESDAY, APRIL 24, 2018
10:30 am–12:00 noon

IC304. Contrast Enhanced and Molecular Imaging of the Breast
D. Plecha, B. Patel, J. Giesbrandt
1.5 CME Credits

1:30–3:00 pm

SS16. Breast Imaging
1.5 CME Credits

3:30–5:00 pm

IC311. Breast Imaging: Pitfalls and Artifacts
H. Marshall, J. Leung, S. Maimone
1.5 CME Credits, 1.5 SAM Credits

SAM RESIDENT

ON-DEMAND CREDIT

THURSDAY, APRIL 26, 2018
10:30 am–12:00 noon

SS21. Breast Imaging
1.5 CME Credits

3:30–5:00 pm

IC412. Changes in Breast Imaging: MQSA and ACOs
J. Hayward, B. Joe, J. Parikh
1.5 CME Credits

CARDIAC IMAGING

MONDAY, APRIL 23, 2018
10:30 am–12:00 noon

RC10. Radiology Review: Breast Imaging
P. Huynh, S. Destounis, B. Adrada, L. Margolies
1.5 CME Credits, 1.5 SAM Credits

SAM RESIDENT

ON-DEMAND CREDIT

FRIDAY, APRIL 27, 2018
8:30–10:00 am

SS18. Cardiac Imaging
1.5 CME Credits

1:30–3:00 pm

RC09. Radiology Review: Cardiac Imaging
K. Hanneman, T. Henry, S. Agarwal, J. Nance
1.5 CME Credits, 1.5 SAM Credits

SAM RESIDENT

ON-DEMAND CREDIT

WEDNESDAY, APRIL 25, 2018
7:00–8:00 am

PH05. Power Hour: Breast Imaging
1 CME Credit
### Subspecialty Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Thursday, April 26, 2018</strong></td>
<td>8:30–10:00 am</td>
</tr>
<tr>
<td>SS19.</td>
<td>Chest Imaging</td>
</tr>
<tr>
<td>3:30–5:00 pm</td>
<td>IC10. Imaging of the Airways</td>
</tr>
<tr>
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<td>IC20. Lung Nodules</td>
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<td>IC21. Lung Neoplasms</td>
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<tr>
<td></td>
<td>IC24. Controversies in Abdominal Imaging</td>
</tr>
<tr>
<td><strong>Friday, April 27, 2018</strong></td>
<td>10:30 am–12:00 noon</td>
</tr>
<tr>
<td>SS28.</td>
<td>Chest Imaging</td>
</tr>
<tr>
<td><strong>Emergency Radiology</strong></td>
<td>8:30–10:00 am</td>
</tr>
<tr>
<td>IC101.</td>
<td>Trauma Imaging, Part I</td>
</tr>
<tr>
<td>1:30–3:00 pm</td>
<td>IC102. Trauma Imaging, Part II</td>
</tr>
<tr>
<td><strong>General/Emergency</strong></td>
<td>7:00–8:00 am</td>
</tr>
<tr>
<td>Ph03.</td>
<td>Power Hour: Gastrointestinal Imaging</td>
</tr>
<tr>
<td>Ph04.</td>
<td>Power Hour: Emergency Radiology</td>
</tr>
<tr>
<td><strong>Wednesday, April 25, 2018</strong></td>
<td>10:30 am–12:00 noon</td>
</tr>
<tr>
<td>IC306.</td>
<td>Conditions Affecting the Pulmonary Arteries</td>
</tr>
<tr>
<td>1:30–3:00 pm</td>
<td>RC05. Radiology Review: Chest Imaging</td>
</tr>
</tbody>
</table>

**Can’t come to DC? Participate in the Virtual Meeting!**

Receive the same quality education that ARRS is known for with the Virtual Meeting. View live broadcasting of sessions and enjoy on-demand meeting features. By participating in the Virtual Meeting you can:

- Watch live sessions from your home or office
- Access on-demand recordings of any annual meeting session
- View Electronic Exhibits
- Earn up to 198 credits
- Ask questions of faculty online
- And more!
SUBSPECIALTY SCHEDULE

THURSDAY, APRIL 26, 2018

10:30–12:00 noon

IC405.  Pitfalls in Abdominal Imaging
E. Remer, D. DiSantis, D. Katz
1.5 CME Credits

1:30–3:00 pm

IC408.  Small Bowel Imaging
V. Melnick, D. Sheafor, M. Baker
1.5 CME Credits

3:30–5:00 pm

IC413.  Hepatobiliary Imaging
S. Hussain, D. Ganeshan, R. Jha
1.5 CME Credits, 1.5 SAM Credits

SAM ON-DEMAND CREDIT

THURSDAY, APRIL 26, 2018

8:30–10:00 am

IC503.  Colorectal Imaging
M. Lubner, I. Petkovska, D. Kim
1.5 CME Credits, 1.5 SAM Credits

SAM ON-DEMAND CREDIT

10:30 am–12:00 noon

IC504.  Imaging of the Pancreas
K. Sandrasegaran, E. Paulson, E. Tamm
1.5 CME Credits

RESIDENT

SS20.  Genitourinary–Prostate
1.5 CME Credits

MUSCULOSKELETAL IMAGING

SUNDAY, APRIL 22, 2018

1:00–3:00 pm

BZ01.  Imaging Sports Injuries: Perspectives from Brazil and USA Part 1
M. Rocha, D. Blankenbaker
2 CME Credits

3:30–5:00 pm

BZ02.  Imaging Sports Injuries: Perspectives from Brazil and USA Part 2
M. Rocha, D. Blankenbaker
2 CME Credits
SUBSPECIALTY SCHEDULE

MONDAY, APRIL 23, 2018

7:00–8:00 am
PH01.  Power Hour: Musculoskeletal Imaging
  1 CME Credit

8:30–10:00 am
IC103.  Pitfalls in MSK Radiology
  D. Blankenbaker, K. Buckwalter, L. Ladd, C. Chung
  1.5 CME Credits
RESIDENT

10:30 am–12:00 noon
IC108.  Orthopaedic Hardware: Understanding the Imaging
  K. Davis, S. Smith, T. Miller
  1.5 CME Credits
RESIDENT

1:30–3:00 pm
SS05.  Musculoskeletal Imaging
  1.5 CME Credits

3:30–5:00 pm
SS06.  Musculoskeletal Imaging
  1.5 CME Credits

TUESDAY, APRIL 24, 2018

8:30–10:00 am
IC201.  Upper Extremity Imaging: Shoulder to Elbow
  L. Bancroft, C. French, C. Petchprapa
  1.5 CME Credits
RESIDENT

10:30 am–12:00 noon
IC205.  MR Diagnosis in the Post-Surgical Joint
  L. Beltran, M. Jesse, D. Rubin
  1.5 CME Credits
RESIDENT

3:00–3:30 pm
IC216.  Bone Tumors
  M. Murphey, M. Kransdorf, L. Fayad,
  1.5 CME Credits
RESIDENT

WEDNESDAY, APRIL 25, 2018

8:30–10:00 am
IC301.  Lower Extremity Sports Injuries: Beyond the Joints
  D. Fessel, N. Nacey, M. Anderson
  1.5 CME Credits
RESIDENT

10:30 am–12:00 noon
SS14.  Musculoskeletal Imaging
  1.5 CME Credits

FRIDAY, APRIL 27, 2018

10:30 am–12:00 noon
IC506.  Peripheral Nerves: Imaging and Interventions
  S. Gyftopoulos, J. Carrino, R. Adler
  1.5 CME Credits
RESIDENT

NEURORADIOLOGY

MONDAY, APRIL 23, 2018

10:30 am–12:00 noon
IC107.  Vascular Issues in the Brain
  J. Leach, A. Vagal, M. Mossa-Basha
  1.5 CME Credits

3:30–5:00 pm
IC118.  CSF Issues: Diagnosis and Treatment
  A. Aiken, L. Shah, P. Kranz
  1.5 CME Credits

TUESDAY, APRIL 24, 2018

8:30–10:00 am
SS08.  Neuroradiology
  1.5 CME Credits

10:30 am–12:00 noon
IC207.  Neuro Oncologic Imaging
  M. Gaskill-Shipley, Y. Anzai, W. Gibbs
  1.5 CME Credits, 1.5 SAM Credits
RESIDENT

ON-DEMAND CREDIT

THURSDAY, APRIL 26, 2018

8:30–10:00 am
IC401.  Imaging of the Knee, Ankle, and Foot
  J. Peterson, D. Goodwin, F. Beaman
  1.5 CME Credits, 1.5 SAM Credits
RESIDENT

ON-DEMAND CREDIT

RC08.  Radiology Review: Musculoskeletal Imaging
  A. Huang, J. Baker, F. Beaman, H. Garner
  1.5 CME Credits, 1.5 SAM Credits
RESIDENT

ON-DEMAND CREDIT
# Subspecialty Schedule

## Wednesday, April 25, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 1:30–3:00 pm  | **IC308. Head and Neck Potpourri**
  A. Srinivasan, C. Glastonbury, R. Khan  
  1.5 CME Credits  
  RESIDENT |
| 3:30–5:00 pm  | **IC313. MRI in Spine Emergencies**
  J. Talbott, J. Go, C. Torres  
  1.5 CME Credits  
  RESIDENT |

## Thursday, April 26, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 7:00–8:00 am  | **PH07. Power Hour: Neuroradiology**
  1.5 CME Credit |
| 10:30 am–12:00 noon | **IC404. Non-Traumatic Head and Neck Emergency**
  N. Koontz, M. Jhaveri, M. Cunnane  
  1.5 CME Credits  
  RESIDENT |
| 1:30–3:00 pm  | **IC302. Result Notifications and Contrast Media**
  R. Groves, M. Zagurovska, M. Mathur  
  1.5 CME Credits  
  1.5 SAM Credits  
  SAM ON-DEMAND CREDIT |
| 3:30–5:00 pm  | **IC114. How to Stop Burning Out and Start Burning Brightly**
  R. Gunderman  
  1.5 CME Credits  
  RESIDENT |

## Sunday, April 22, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 7:30–9:30 am  | **PED. Rock the Review: How to Get a Perfect Manuscript Score**
  T. Berquist, J. Provenzale  
  2 CME Credits  
  RESIDENT |
| 10:00 am–12:00 noon | **PS18. How Radiologists Get Paid: Today and Tomorrow**
  G. Nicola, L. Golding, J. Hirsch, R. Duszak  
  2 CME Credits |

## Monday, April 23, 2018

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 1:30–3:00 pm  | **SS02. How to Succeed in Research**
  1.5 CME Credits |

## Tuesday, April 24, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 1:30–3:00 pm  | **IC212. Restoring the Significance of Significant Others**
  R. Gunderman, L. Ladd  
  1.5 CME Credits  
  RESIDENT |

## Wednesday, April 25, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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| 8:30–10:00 am | **SS12. Efficacy/Education/Administration**
  1.5 CME Credits |

## Thursday, April 26, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 8:30–10:00 am | **IC403. Patient Centered Radiology and Procedural Competency**
  J. Kemp, P. Hal, M. Mendiatta-Lala  
  1.5 CME Credits  
  RESIDENT |
# Subspecialty Schedule

## Nuclear Medicine

**Monday, April 23, 2018**

1:30–3:00 pm

<table>
<thead>
<tr>
<th>IC111. Highlighting Anatomic Imaging with Radioactivity</th>
<th>P. Kuo, E. Akin, T. Wong, A. Sheikh</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 CME Credits</td>
<td>RESIDENT</td>
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</table>

5:00–5:45 pm

<table>
<thead>
<tr>
<th>SRS Program: Nuclear Medicine: A Brief History and Influence on 21st Century Medical Imaging</th>
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</thead>
</table>

**Tuesday, April 24, 2018**

7:00–8:00 am

| PH04. Power Hour: Nuclear Medicine | 1 CME Credit |

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<td>1.5 CME Credits</td>
<td>RESIDENT</td>
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3:30–5:00 pm

| SS11. Pediatric Imaging | 1.5 CME Credits |

## Ultrasound

**Monday, April 23, 2018**

1:30–3:00 pm

<table>
<thead>
<tr>
<th>IC112. Musculoskeletal Ultrasound</th>
<th>J. Jacobson, S. Allison, T. Morgan</th>
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<tbody>
<tr>
<td>1.5 CME Credits</td>
<td>RESIDENT</td>
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</table>

10:30 am–12:00 noon

<table>
<thead>
<tr>
<th>IC307. Ultrasound Case by Case: A Rapid Fire Session</th>
<th>S. Rodgers, K. Robinson, V. Dogra</th>
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<tbody>
<tr>
<td>1.5 CME Credits, 1.5 SAM Credits</td>
<td>RESIDENT</td>
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**Wednesday, April 25, 2018**

3:30–5:00 pm

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## Pediatrics Imaging

**Monday, April 23, 2018**

7:00–8:00 am

| PH02. Power Hour: Pediatric Imaging | 1 CME Credit |

**Tuesday, April 24, 2018**

8:30–10:00 am

<table>
<thead>
<tr>
<th>IC203. PET/CT in the Evaluation of GI/GU Malignancy</th>
<th>R. Zeman, E. Rohren, D. Yoo, M. Osman</th>
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<tbody>
<tr>
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3:30–5:00 pm

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**Thursday, April 26, 2018**

10:30 am–12:00 noon

<table>
<thead>
<tr>
<th>IC406. Pediatric Radiology from Neck to Bottom to Back</th>
<th>J. Squires, E. Rubesova, C. Silva, T. Levin</th>
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<tbody>
<tr>
<td>1.5 CME Credits, 1.5 SAM Credits</td>
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</table>

3:30–5:00 pm

<table>
<thead>
<tr>
<th>IC411. Pediatric Neuroradiology</th>
<th>I. Izbudak, M. Ibrahim, S. Pruthi, J. Miller</th>
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**Friday, April 27, 2018**

8:30–10:00 am

| IC27. Nuclear Medicine | 1.5 CME Credits |

**Thursday, April 26, 2018**

10:30 am–12:00 noon

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SUBSPECIALTY SCHEDULE

FRIDAY, APRIL 27, 2018
7:00–8:00 am
PH10. Power Hour: Ultrasound
1 CME Credit

VASCULAR AND/OR INTERVENTIONAL IMAGING
MondAy, April 23, 2018
1:30–3:00 pm
IC113. Benign Prostatic Hypertrophy
D. Margolis, T. McClure, J. Golzarian
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT
ON-DEMAND CREDIT

TUESDAY, APRIL 24, 2018
3:30–5:00 pm
IC217. Interventional Education and Training: The Essentials
S. Sabri, P. Patel, R. Winokur
1.5 CME Credits
RESIDENT

WEDNESDAY, APRIL 25, 2018
10:30 am–12:00 noon
SS15. Vascular and/or Interventional Radiology
1.5 CME Credits

THURSDAY, APRIL 26, 2018
8:30–10:00 am
IC402. Management of Portal Hypertension: 2018 Update
W. Saad, E. Lee, A. Fischman
1.5 CME Credits
RESIDENT

10:30 am–12:00 noon
RC11. Radiology Review: Vascular and/or Interventional
R. Ramaswamy, R. Liddell, E. Ignacio,
D. Abdollahian
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT
ON-DEMAND CREDIT

On-Demand Sessions
View recordings of every Annual Meeting session until July 27—with select sessions offering on-demand credit.
ARRS is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education activities for physicians.

**Live Sessions and Courses:** The ARRS designates this live educational activity for a maximum 48.00 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**On-Demand Electronic Exhibits:** The ARRS designates this enduring activity for a maximum of 55.00 *AMA PRA Category 1 Credit(s)™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**On-Demand Sessions Credit:** The ARRS designates this enduring activity for a maximum of 95.00 *AMA PRA Category 1 Credit(s)™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**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 2018 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 45.00 hours of SAM credit through courses, and select Electronic Exhibits offer SA-CME credit.

**INTERNATIONAL CONTINUING EDUCATION CREDITS**
*AMA PRA Category 1 Credit(s)™* earned at the ARRS Annual Meeting can be transferred internationally via agreements with:
- European Union and European Union of Medical Specialists
- Royal College of Physicians and Surgeons of Canada
- Royal Australian and New Zealand College of Radiologists (RANZCR)
- Mexico

For more information about transferring credit internationally, visit [www.arrs.org/AM18/EducationalCredit](http://www.arrs.org/AM18/EducationalCredit)

**Annual and Virtual Meeting Categorical Courses**
The ARRS Categorical Course (Live Event) is an Accredited Self-Assessment Program (Section 3) as defined by the NEW Maintenance of Certification program (MOC) of the Royal College of Physicians and Surgeons of Canada (RCPSC), and has been approved by the Canadian Association of Radiologists (CAR) for a maximum of 0.5 credit hours for each presentation.

The RCPSC recording system (MAINPORT) will automatically convert the credit hours for this program to three credits per claimed hour (0.5 hours x 3 = 1.50 credit hours). Physicians should only claim credits commensurate with the extent of their participation in the activity.

*Accreditation services do not imply endorsement of opinions presented during this activity.*

**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
- Describe the latest indications and applications of imaging techniques and their impact on patient care
- Identify clinical content that is applicable to performance improvement
- Comprehend practice-based strategies for mitigating errors and improving patient safety
- Identify clinical and noninterpretive skills content that is applicable to practice performance improvement
- Discuss the role and value of the radiologist in the diagnosis and treatment of patients
- Analyze opportunities to improve care coordination with referring physicians
Marriott Wardman Park Hotel
2660 Woodley Road NW, Washington, DC 20008

The ARRS Annual Meeting will take place at the Marriott Wardman Park Hotel, which sits in a charming neighborhood in the heart of Washington, DC filled with amazing restaurants and quaint shops. Just a few steps away, you’ll discover the funky stores and ethnic cuisine of Adams Morgan and the exciting nightlife of Dupont Circle. Visit the Smithsonian’s National Zoo or enjoy a quiet hike through Rock Creek Park. With a Metro stop just outside the hotel and area airports close by, it’s a premier city destination just two Metro stops from everything the city has to offer.

How to Book Your Room
ARRS has negotiated a block of rooms at the Marriott Wardman Park Hotel. To take advantage of the special ARRS rates, you must register for the Annual Meeting first. Once you have registered for the meeting, you will be provided with a unique online Passkey reservation link to book your hotel reservation. Room reservation requests made by phone, fax, or mail will not be accepted.

Hotel Reservation Deadline
Hotel reservations must be made by Friday, March 30, 2018 to qualify for the special ARRS rates. After that date, the ARRS room block will be released and higher rates may apply. ARRS cannot guarantee rooms will be available through March 30, as the hotel block fills quickly. It is advised you register for the meeting and make hotel reservations before March 30.

Hotel Confimations
You will receive a confirmation from the hotel at the time your hotel reservation is made, which will include 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 72 hours before arrival to avoid a 1 night room and tax charge. Cancellations to your reservation may be made online via the Passkey reservations link, up until three (3) days prior to your arrival date.

Hotel Reservation Changes
Changes to your reservation may be made up until the day of arrival. All changes to your reservation must be made online via the Passkey reservations link you will receive when you make your hotel reservation.

Questions Regarding Hotel Reservations
ARRS is not able to answer questions regarding hotel reservations. Please contact the hotel directly using the directions provided when you booked your room via the online Passkey reservations link.

Transportation Information
Airport Information
There are three major airports serving the Washington, DC metropolitan area. The hotel does not provide shuttle services to and from the airports.

Ronald Reagan Washington National Airport—DCA, 7 miles from hotel
Estimated Metro fare: $3.35 USD peak (one way), $2.60 USD off-peak (one way), fares subject to change
Estimated taxi fare: $30.00 USD (one-way)

Washington Dulles International Airport—IAD, 24 miles from hotel
Estimated taxi fare: $60.00 USD (one-way)

Baltimore/Washington International Thurgood Marshall Airport—BWI, 34 miles from hotel
Estimated taxi fare: $88.00 USD (one-way)

Amtrak
ARRS has negotiated a special discount with Amtrak for ARRS meeting registrants. Amtrak offers a 10% discount off the best available rail fare to Washington, DC, from April 19–April 30, 2018. To book your reservation call Amtrak at 1-800-872-7245 or contact your local travel agent. This special convention rate cannot be booked via the Internet. Please be sure to refer to Convention Fare Code X18F-972.
The early-bird deadline for the Annual Meeting is February 16. The regular registration deadline for the Annual Meeting is March 30. Late registrations will be accepted, online only, through April 20. After April 20, registrations will only be processed at the ARRS On-Site Registration Welcome and Information Center in Washington, DC.

ANNUAL MEETING CANCELLATION POLICIES
Cancellations received in writing by March 30, 2018, will be processed after the meeting minus the $100 nonrefundable cancellation fee. Refunds will not be provided for cancellations for any reason after March 30. 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 received by March 30 will require a $100 nonrefundable transfer fee in addition to any additional virtual registration fees to make the requested change in the meeting registration record. Written requests received by April 13 will require a $200 nonrefundable transfer fee in addition to any additional virtual registration fees to make the requested change in the meeting registration record. After April 13, requests to transfer from the Annual Meeting to the Virtual Meeting cannot be processed.

ARRS MEMBERSHIP
ARRS membership must be current at the time of registration as well as for the duration of the Annual Meeting to receive the discounted member registration rates. If your ARRS membership has lapsed or will lapse between the date of registration and the end of the meeting, you must either renew your membership or pay the nonmember registration fees. Discounted meeting registration fees are a benefit for current ARRS members.

NONMEMBERS APPLYING FOR ARRS MEMBERSHIP FOR THE ANNUAL MEETING
Nonmembers may apply for ARRS membership and receive the Annual Meeting member registration fee discount. Nonmembers should submit a membership application with the Annual Meeting registration form by fax or mail prior to April 13 to receive the member registration fee discount. After April 13, the membership application and Annual Meeting registration form must be submitted together at the ARRS On-Site Registration Welcome and Information Center in Washington, DC.

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.

### Annual Meeting Registration Information

<table>
<thead>
<tr>
<th>Annual Meeting</th>
<th>Early-Bird Registration</th>
<th>Regular Registration</th>
<th>Late Registration</th>
<th>On-Site Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nov. 27–Feb. 16</td>
<td>Feb. 17–Mar. 30</td>
<td>Mar. 31–Apr. 20 (online only)</td>
<td></td>
</tr>
<tr>
<td>ARRS Physician Members</td>
<td>$550</td>
<td>$650</td>
<td>$750</td>
<td>$750</td>
</tr>
<tr>
<td>ARRS Emeritus/SRS Members</td>
<td>$450</td>
<td>$550</td>
<td>$650</td>
<td>$650</td>
</tr>
<tr>
<td>ARRS In-Training Physician Members</td>
<td>$225</td>
<td>$325</td>
<td>$425</td>
<td>$425</td>
</tr>
<tr>
<td>ARRS Technologist or Nurse Members</td>
<td>$225</td>
<td>$325</td>
<td>$425</td>
<td>$425</td>
</tr>
<tr>
<td>Nonmembers</td>
<td>$1,500</td>
<td>$1,600</td>
<td>$1,700</td>
<td>$1,700</td>
</tr>
</tbody>
</table>

### Additional Registration Fees

<table>
<thead>
<tr>
<th>Additional Registration Fees</th>
<th>ARRS Members/ARRS In-Training Members</th>
<th>Nonmembers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body MRI Categorical Course</td>
<td>$205</td>
<td>$405</td>
</tr>
<tr>
<td>Emergency Radiology Categorical Course</td>
<td>$205</td>
<td>$405</td>
</tr>
<tr>
<td>Per Guest Fee</td>
<td>$99</td>
<td>$99</td>
</tr>
</tbody>
</table>
Q. Where will the meeting be held?
A. The Annual Meeting will be held Sunday, April 22–Friday April 27, 2018, at the Marriott Wardman Park Hotel in Washington, DC.

Q. What is the registration deadline?
A. The regular registration deadline for the meeting is March 30. After March 30, late registrations will only be accepted online through April 20. Paper registrations by postal mail or fax cannot be processed after March 30. To obtain the best registration rates, plan to register by the early-bird deadline of February 16.

Q. How do I register after the late registration deadline, April 20?
A. After April 20, Annual Meeting registrations will only be accepted at the ARRS On-Site Registration Welcome and Information Center at the Marriott Wardman Park Hotel in Washington, DC.

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 Courses 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 hotel.

Q. Does my membership need to be current in order to attend at the ARRS member rate?
A. Yes, to receive the discounted member rate, which is a member benefit, your ARRS membership must be current at the time that you register for the meeting as well as for the duration of the Annual Meeting. If your membership has lapsed or will lapse between the date you register and the conclusion of the Annual Meeting, you must pay your membership renewal or pay the nonmember registration fee. 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! Discounted meeting registration fees are a benefit of ARRS membership. If you plan to attend the ARRS 2018 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. If you want to join ARRS after April 13, you will need to bring your membership and registration paperwork to the ARRS On-Site Registration Welcome and Information Center at the Marriott Wardman Park Hotel in Washington, DC.

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 become blocked entirely.

Q. What is the cancellation policy?
A. Written requests for cancellations should be sent by email to 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 30 will be processed after the meeting minus a $100 nonrefundable cancellation fee. After March 30, cancellations will be processed but refunds will not be issued. Cancellations will not be accepted by telephone. Refund requests of the $100 nonrefundable 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 to a Virtual Meeting registration by providing a written request by email to meeting@arrs.org; by fax to 703-729-4839; or by mail to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176–5109. Written requests received by March 30 will require a $100 nonrefundable transfer fee in addition to any additional virtual registration fees to make the requested change in the meeting registration record. Written requests received by April 15 will require a $200 nonrefundable transfer fee in addition to any additional virtual registration fees to make the requested change in the meeting registration record. After April 15, requests to transfer from the Annual Meeting to the Virtual Meeting cannot be processed.

To apply for membership before March 30:

APPLY ONLINE:
Go to www.arrs.org and click on Membership. Be sure to indicate on the online form that you plan to attend the ARRS 2018 Annual Meeting, and fax your Annual Meeting registration form to ARRS at 703-729-4839 after submitting your online membership application.

DOWNLOAD APPLICATION:
Go to 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.

After March 30, you may submit your membership application online at www.arrs.org or by fax to 703-729-4839. You will be notified once your application has been processed and you may register for the meeting online at that time.
The early-bird deadline for the Virtual Meeting is February 16. The regular registration deadline for the Virtual Meeting is March 30. Late registrations will be accepted, online only, through April 20.

VIRTUAL MEETING REGISTRATION CANCELLATION POLICY
Cancellation requests received in writing by March 30 will be refunded minus the $100 nonrefundable cancellation fee. After March 30, 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 received by March 30 will require a $100 nonrefundable transfer fee in addition to any additional meeting registration fees to make the requested change in the meeting registration record. After March 30, requests to transfer from the Virtual Meeting to the Annual Meeting can only be processed at the ARRS On-Site Registration Welcome and Information Center in Washington, DC and will require a $200 nonrefundable transfer fee in addition to any additional meeting registration fees to make the requested change to the meeting registration record.

ARRS MEMBERSHIP
ARRS membership must be current at the time of registration as well as for the duration of the Virtual Meeting to receive the discounted member registration rates. If membership has lapsed or will lapse between the date of registration and the end of the meeting, you must either renew your membership or pay the nonmember registration fees. Discounted meeting registration fees are a benefit for current ARRS members.

NONMEMBERS APPLYING FOR ARRS MEMBERSHIP FOR THE VIRTUAL MEETING
Nonmembers may apply for ARRS membership and receive the Virtual Meeting member registration fee discount. Nonmembers should submit a membership application with the Virtual Meeting registration form by fax or mail prior to April 13 to receive the member registration fee discount. After April 13, you must register for the Virtual Meeting at the nonmember registration rate.

<table>
<thead>
<tr>
<th>VIRTUAL MEETING</th>
<th>Early-Bird Registration Nov. 27–Feb. 16</th>
<th>Regular Registration Feb. 17–Mar. 30</th>
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<td>ARRS In-Training Physician Members</td>
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<td>$425</td>
<td>$525</td>
</tr>
<tr>
<td>Nonmembers</td>
<td>$1,600</td>
<td>$1,700</td>
<td>$1,800</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>ADDITIONAL REGISTRATION FEES</th>
<th>ARRS Members/ARRS In-Training Members</th>
<th>Nonmembers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body MRI Categorical Course</td>
<td>$255</td>
<td>$455</td>
</tr>
<tr>
<td>Emergency Radiology Categorical Course</td>
<td>$255</td>
<td>$455</td>
</tr>
</tbody>
</table>
Frequently Asked Questions

Q. When will the Virtual Meeting be held?
A. The meeting will be held Sunday, April 22–Friday, April 27, 2018, and will be broadcast live online based on the Eastern Time Zone.

Q. What is the registration deadline?
A. The regular registration deadline for the meeting will be March 30. After March 30, late registrations will only be accepted online through April 20. To obtain the best registration rates, plan to register by the early-bird deadline of February 16.

Q. Does my membership need to be current in order to attend at the ARRS member rate?
A. Yes, to receive the discounted member registration rates, your ARRS membership must be current at the time of registration as well as for the duration of the meeting. If membership has lapsed or will lapse between the date of registration and the conclusion of the meeting, you must either renew your membership or pay the nonmember registration fees. Discounted meeting registration fees are a benefit for current ARRS members.

Q. Can I become an ARRS member to take advantage of registration savings?
A. Absolutely! Nonmembers may apply for membership and receive the Virtual Meeting member registration fee discount. Nonmembers should submit a membership application with the Virtual Meeting registration form by fax or mail prior to April 15 to receive the member registration fee discount. After April 15, you must register for the Virtual Meeting at the nonmember registration rate.

Q. What is the cancellation policy?
A. Written requests for cancellations should be sent by email to 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 30 will be processed after the Virtual Meeting minus a $100 nonrefundable cancellation fee. After March 30, cancellations will be processed but refunds will not be issued. Cancellations will not be accepted by telephone. Refund requests of the $100 nonrefundable 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 by providing a written request by email to meeting@arrs.org; by fax to 703-729-4839; or by mail to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109. Written requests received by March 30 will require a $100 nonrefundable transfer fee in addition to any additional meeting registration fees to make the requested change in the meeting registration record. After March 30, requests to transfer from the Virtual Meeting to the Annual Meeting can only be processed at the ARRS On-site Registration Welcome and Information Center in Washington, DC and will require a $200 nonrefundable transfer fee in addition to any additional meeting registration fees to make the requested change to the meeting registration record.

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 become blocked entirely.

Frequently Asked Questions

Q. A. Absolutely! Nonmembers may apply for membership and receive the Virtual Meeting member registration fee discount. Nonmembers should submit a membership application with the Virtual Meeting registration form by fax or mail prior to April 15 to receive the member registration fee discount. After April 15, you must register for the Virtual Meeting at the nonmember registration rate.

Q. A. Yes, to receive the discounted member registration rates, your ARRS membership must be current at the time of registration as well as for the duration of the meeting. If membership has lapsed or will lapse between the date of registration and the conclusion of the meeting, you must either renew your membership or pay the nonmember registration fees. Discounted meeting registration fees are a benefit for current ARRS members.

Q. A. Yes, you may transfer your Virtual Meeting registration record to an Annual Meeting registration record by providing a written request by email to meeting@arrs.org; by fax to 703-729-4839; or by mail to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109. Written requests received by March 30 will require a $100 nonrefundable transfer fee in addition to any additional meeting registration fees to make the requested change in the meeting registration record. After March 30, requests to transfer from the Virtual Meeting to the Annual Meeting can only be processed at the ARRS On-site Registration Welcome and Information Center in Washington, DC and will require a $200 nonrefundable transfer fee in addition to any additional meeting registration fees to make the requested change to the meeting registration record.

Q. 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 become blocked entirely.
### ARRS 2018 VIRTUAL MEETING REGISTRATION FORM

Please visit [www.arrs.org/meeting](http://www.arrs.org/meeting) to register online.

**First Name** | **Middle Name** | **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.)**

### General Registration

| | **Early-Bird** Through 2/16/2018 | **Regular** Through 3/30/2018 | **Late** Through 4/20/2018* |
--- | --- | --- | ---
ARRS Physician Member | $650 | $750 | $850 |
ARRS Emeritus/SRS Member | $550 | $650 | $750 |
ARRS In-Training Member | $325 | $425 | $525 |
ARRS Technologist/Nurse Member | $325 | $425 | $525 |
Non-Member | $1,600 | $1,700 | $1,800 |

### Categorical Course: Body MRI: How to Provide Value-Based Care

| | **$255** |
--- | ---
ARRS Physician Member | $255 |
ARRS Emeritus/SRS Member | $255 |
ARRS In-Training Member | $255 |
ARRS Technologist/Nurse Member | $255 |
Non-Member | $455 |

### Categorical Course: Imaging in the ED: A Practical Update of Emergency Radiology

| | **$255** |
--- | ---
ARRS Physician Member | $255 |
ARRS Emeritus/SRS Member | $255 |
ARRS In-Training Member | $255 |
ARRS Technologist/Nurse Member | $255 |
Non-Member | $455 |

*Late registrations will only be accepted online from March 31 – April 20. After April 20, registrations will not be accepted for the Virtual Meeting.
ARRS 2018 ANNUAL MEETING REGISTRATION FORM

PLEASE VISIT WWW.ARRS.ORG/MEETING FOR UP-TO-DATE INFORMATION AND TO REGISTER ONLINE.

First Name Middle Name Last Name
Address
City State/Province Postal Code Country
Telephone Fax
Email Address

REGISTRATION THROUGH 2/16/2018
ARRS PHYSICIAN MEMBER
ARRS EMERITUS/SRS MEMBER
ARRS PHYSICIAN MEMBER
ARRS EMERITUS/SRS MEMBER
ARRS TECHNOLOGIST/NURSE MEMBER
ARRS TECHNOLOGIST/NURSE MEMBER
NONMEMBER

REGISTRATION THROUGH 3/30/2018
ARRS PHYSICIAN MEMBER
ARRS EMERITUS/SRS MEMBER
ARRS PHYSICIAN MEMBER
ARRS EMERITUS/SRS MEMBER
ARRS TECHNOLOGIST/NURSE MEMBER
ARRS TECHNOLOGIST/NURSE MEMBER
NONMEMBER

LATE*/ONSITE
ARRS PHYSICIAN MEMBER
$750
ARRS EMERITUS/SRS MEMBER
$650
ARRS PHYSICIAN MEMBER
$425
ARRS TECHNOLOGIST/NURSE MEMBER
$425
NONMEMBER
$1,700

Fee-Based Courses

Check the courses for which you are registering.

ARRS PHYSICIAN MEMBER
ARRS IN-TRAINING MEMBER
NON-MEMBER

Sunday, April 22 – Tuesday, April 24: Categorical Course: Body MRI; How to Provide Value-Based Care
$205

Wednesday, April 25 – Friday, April 27: Categorical Course: Imaging in the ED: A Practical Update of Emergency Radiology
$205

Emergence Contact Name Telephone Email Address

Check the courses/events you wish to attend—select only one course per line. See pages 17–27 for course information.

SUNDAY, APRIL 22
7:30 am–9:30 am
Rock the Review: How to Get a Perfect Manuscript Score
10:00 am–12:00 noon
How Radiologists Get Paid: Today and Tomorrow
10:00 am–12:00 noon
Beyond the Screening Mammography Debate
1:00 pm–3:00 pm
Resident Symposium Part 1
1:00 pm–3:00 pm
Imaging Sports Injuries: Perspectives From Brazil and USA Part 1
1:00 pm–3:00 pm
Immersive & Augmented Reality in Imaging
3:30 pm–4:30 pm
Resident Symposium Part 2
3:30 pm–5:00 pm
Imaging Sports Injuries: Perspectives From Brazil and USA Part 2

MONDAY, APRIL 23
7:00 am–8:00 am
Power Hours: Musculoskeletal or Pediatric
8:30 am–10:00 am
IC101
IC102
IC103
IC104
SS01
SS02
10:30 am–12:00 noon
IC105
IC106
IC107
IC108
SS03
SS04
12:15 pm–1:15 pm
Lunch in the Connection Quad
3:30 pm–5:00 pm
IC109
IC110
IC111
IC112
IC113
SS05
3:30 pm–5:00 pm
IC114
IC115
IC116
IC117
IC118
SS06
5:00 pm–5:45 pm
SRS Program: Nuclear Medicine–A Brief History

TUESDAY, APRIL 24
7:00 am–8:00 am
Power Hours: Gastrointestinal or Nuclear
8:30 am–10:00 am
IC201
IC202
IC203
IC204
SS07
SS08
10:30 am–12:00 noon
IC205
IC206
IC207
IC208
IC209
SS09
12:15 pm–1:15 pm
Lunch in the Connection Quad
1:30 pm–3:00 pm
IC210
IC211
IC212
IC213
RC01
SS10
3:30 pm–5:00 pm
IC214
IC215
IC216
IC217
RC02
SS11

WEDNESDAY, APRIL 25
7:00 am–8:00 am
Power Hours: Breast or General/Emergency
8:30 am–10:00 am
IC301
IC302
IC303
RC03
SS12
SS13
10:30 am–12:00 noon
IC304
IC305
IC306
RC04
SS14
SS15
12:15 pm–1:15 pm
Lunch in the Connection Quad
1:30 pm–3:00 pm
IC307
IC308
IC309
IC310
RC05
SS16
3:30 pm–5:00 pm
IC311
IC312
IC313
IC314
RC06
SS17

THURSDAY, APRIL 26
7:00 am–8:00 am
Power Hours: Neuroradiology or Genitourinary
8:30 am–10:00 am
IC401
IC402
IC403
RC07
SS18
SS19
10:30 am–12:00 noon
IC404
IC405
IC406
RC08
SS20
SS21
12:15 pm–1:15 pm
Lunch in the Connection Quad
1:30 pm–3:00 pm
IC407
IC408
IC409
RC09
SS22
SS23
3:30 pm–5:00 pm
IC410
IC411
IC412
IC413
SS24
SS25

FRIDAY, APRIL 27
7:00 am–8:00 am
Power Hours: Cardiac or Ultrasound
8:30 am–10:00 am
IC501
IC502
IC503
RC10
SS26
SS27
10:30 am–12:00 noon
IC504
IC505
IC506
RC11
SS28
SS29

*Late registrations will only be accepted online from March 31–April 20. After April 20, registrations will only be accepted at the ARRS On-Site Welcome and Information Center in Washington, DC.

Registration Fees

Enter the dollar amount for your selections.

General Registration Fee USD $
Categorical Course: Body MRI Fee USD $
Categorical Course: Emergency Radiology Fee USD $
Guest Fee ($99 Per Guest) USD $
TOTAL FEES (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

Exp. Date

Card Holder’s Name

Signature

Register by credit card online at 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 50, 2018, to meeting@arrs.org will be refunded minus a $50 non-refundable cancellation fee. After Friday, March 30, 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. After March 30, 2018, cancellations will be processed but refunds will not be issued. Cancellations will not be accepted by telephone. A submitted registration form online, by fax or by 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 by providing a written request by email to meeting@arrs.org, by fax to 703-729-4839, or by mail to ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109. Written request received by April 13 will require a $100 nonrefundable transfer fee in addition to any additional virtual registration fees to make the requested change in the meeting registration record. Written requests received by April 13 will require a $200 nonrefundable transfer fee in addition to any additional virtual registration fees to make the requested change in the meeting registration record. After April 13, requests to transfer from the Annual Meeting to the Virtual Meeting cannot be processed.
Register by February 16 to save!

### FUTURE MEETING DATES

<table>
<thead>
<tr>
<th>Year</th>
<th>Meeting Date</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>May 5–10, 2019</td>
<td>Hawaii Convention Center, Honolulu, HI</td>
</tr>
<tr>
<td>2020</td>
<td>May 3–8, 2020</td>
<td>Sheraton Grand Chicago, Chicago, IL</td>
</tr>
<tr>
<td>2021</td>
<td>April 18–23, 2021</td>
<td>Marriott Marquis San Diego Marina, San Diego, CA</td>
</tr>
<tr>
<td>2022</td>
<td>May 1–6, 2022</td>
<td>Hyatt Regency, New Orleans, LA</td>
</tr>
<tr>
<td>2023</td>
<td>May 7–12, 2023</td>
<td>Marriott Wardman Park Hotel, Washington, DC</td>
</tr>
<tr>
<td>2024</td>
<td>May 5–10, 2024</td>
<td>John B. Hynes Veterans Memorial Convention Center, Boston, MA</td>
</tr>
</tbody>
</table>

Can’t come to Washington, DC? Participate online with the Virtual Meeting.