Now 1 year of on-demand access!
Dear Colleagues,

Join us for the 2020 ARRS Annual Meeting in Chicago, Illinois, May 3–8, to connect, learn, and advance with leading radiology professionals from around the globe! As radiology advances in the midst of a changing healthcare environment, the need for trusted education and true connection is greater than ever—making the ARRS Annual Meeting the perfect opportunity to advance both your skills and your career.

ARRS remains committed to providing an unparalleled learning and networking experience at our Annual Meeting—one that allows participants to engage in professional dialogue that enhances their expertise and advances medical imaging overall. Once again, the 2020 Annual Meeting program features an array of courses taught by world-renowned faculty who will share insights that you can implement in your daily practice, including:

- **Strategies to Overcome the Most Common Misses in Clinical Practice**, a Categorical Course discussing how to implement practice-based strategies to turn errors into opportunities in both acute and routine imaging settings
- **Multimodality Vascular Imaging: From Head to Toe**, our second Categorical Course providing attendees with a holistic view of the emerging subspecialty area of multimodality vascular imaging
- Our 2020 Global Exchange, **Imaging Cardiovascular Disease: The Argentina/USA Experience**, a multispecialty course highlighting the similarities and different diagnostic approaches to common presentations and challenges of cardiovascular diseases
- **The Radiology Review Track**, uniting rapid-fire case reviews with didactic lectures across all the subspecialties

On behalf of North America’s oldest radiology society, I invite you to join us at the 2020 ARRS Annual Meeting in Chicago for what promises to be yet another extraordinary learning experience and professional opportunity.

Ruth C. Carlos, MD, MS, FACR
119th ARRS President

Enjoy 1 year of on-demand access with credit

Access the complete meeting, from session recordings to electronic exhibits, for a full year online. The complete meeting will be available on demand to registrants until May 2, 2021.
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IMPORTANT DEADLINES

Early-Bird Registration: 
MARCH 2
Regular Registration: 
APRIL 3
Hotel Reservation: 
APRIL 9
Late Registration: 
MAY 8 (Online Only)

MEETING REGISTRATION

Register by the early-bird deadline, March 2, to receive the lowest rates! After this date, registration rates will increase.

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
Time and time again, our members tell us this is the meeting where they can truly enjoy themselves, connect with leaders and colleagues, and form lasting professional relationships.

THE ARRS CONNECTION QUAD

The Connection Quad is ARRS’ central gathering place to network with leaders and colleagues, socialize with friends, discover the latest products and services, and enjoy free lunches and beverage breaks Monday through Thursday.

Connection Quad Hours

Monday, May 4–Wednesday, May 6
9:15 am–4:00 pm

Thursday, May 7
9:15 am–1:00 pm

FORGE PROFESSIONAL RELATIONSHIPS

The ARRS Annual Meeting is designed to provide attendees with unique opportunities to form real, face-to-face connections. Approach world-renowned faculty during coffee breaks, have lunch with key decision-makers, and catch up with your peers.
COMPLIMENTARY LUNCHES AND BEVERAGE BREAKS

ARRS provides complimentary morning and afternoon beverage breaks, along with lunches, so you can make the most of your time and network with professional experts.

Beverage Breaks
Sunday, May 3–Thursday, May 7
Starting at 9:30 am and 3:00 pm
Friday, May 8
Starting at 9:30 am

Complimentary Lunches
Monday, May 4–Thursday, May 7
12:15–1:15 pm

WIN AN APPLE WATCH AND MORE
Play the Discover Roentgen Meeting Challenge!

This augmented reality scavenger hunt combines trivia with case-based challenges and exhibitor quests—all from your mobile device and only available to attendees in Chicago.

SPIN THE WHEEL OF KNOWLEDGE

Join a team to play or support your fellow radiologists as they test their knowledge of pop culture, radiology history, Chicago, and more. Teams will spin the wheel and play in the Connection Quad!
STAY AT THE CENTER OF ACTIVITY

Nearby Attractions
Take a quick elevator ride from your hotel room to a morning session, socialize with renowned faculty, have dinner with old friends, and explore legendary attractions, including some of Chicago’s finest:

- Magnificent Mile (0.8 miles)
- Maggie Daley Park (1 mile)
- Navy Pier (1 mile)
- Millennium Park (1 mile)
- Chicago Theatre (0.8 miles)
- Shoreline Sightseeing Cruise (0.3 miles)
- Architectural River Tours (0.1 miles)
- Buckingham Fountain (1 mile)
- Chicago Water Tower (0.3 miles)
- The Escape Game Chicago (0.7 miles)

World-Class Amenities
Not only is the Sheraton Grand Chicago minutes from many of the city’s most loved attractions, but this world-class hotel also offers some of Chicago’s finest amenities:

- 24/7 fitness center
- Indoor heated pool
- Valet and on-site parking
- Complimentary WiFi in public areas
- Pillow top mattresses
- Five restaurants to choose from on premise
  - Chicago Burger Company
  - Shula’s Steak House
  - LB Bistro and Patisserie
  - Link Coffee House
  - CHI Bar
- Local restaurant dinner delivery
- In-room dining service

MEETING LOCATION AND HOTEL INFORMATION
ARRS has secured discounted rooms for meeting attendees at the Sheraton Grand Chicago, where all sessions and events will take place. Enjoy seamless access to educational lectures, unparalleled networking, and luxurious accommodations.
HOTEL RESERVATIONS AND RATES

Registration and hotel reservations open to the public on December 1. You can reserve your room after you register for the Annual Meeting.

Discounted Room Rates
City View: $299 per night

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

How to Book Your Room
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 reservations 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 Thursday, April 9 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 April 9, as the hotel block fills quickly. It is advised you register for the meeting and make hotel reservations before April 9.

Hotel Confirmations
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.

IMPORTANT ARRS HOTEL POLICIES
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 that 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 Passkey reservations link.

TRANSPORTATION INFORMATION

Airports
Chicagoland is happy to offer two airports to serve your needs. Chicago O’Hare International Airport (ORD) and Chicago Midway International Airport (MDW).

Just 17 miles from downtown Chicago, O’Hare International Airport is one of the busiest airport hubs in the country, handling over 83 million passengers a year. O’Hare offers travel to 260 destinations and was named 2018’s most connected domestic hub.

A mere 10 miles from downtown Chicago, Midway International Airport is the nation’s premier point-to-point airport, offering value-oriented leisure and business travel to nearly 80 destinations.
PROGRAM OVERVIEW

MORE THAN 150 SESSIONS
All Annual Meeting sessions will take place at the Sheraton Grand Chicago, a coveted location in River North near Michigan Avenue, Millennium Park, Navy Pier, and the Magnificent Mile.

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.

Power Hours: Authors of award-winning Electronic Exhibits will be featured at 1-hour oral presentations.

Instructional Courses: Practice-based presentations on specific radiology topics will be delivered by expert faculty.

Scientific Sessions: Oral presentations on scientific papers will provide the latest research in medical imaging.

Categorical Courses: Participate in one or both Categorical Courses, Strategies to Overcome the Most Common Misses in Clinical Practice and Multimodality Vascular Imaging: From Head to Toe. Due to the nature of these courses, a separate registration fee is required, in addition to your general registration fee.

Trusted education you can use in daily practice
Practice-based education and renowned faculty are cornerstones of the ARRS Annual Meeting program. Enhance your knowledge, refine your skills, and advance your career alongside top radiologists from around the world.
“Incredible programs within every subspeciality of radiology.”
—Jonathan Lewin, MD, Emory University

FEATURED EDUCATIONAL TRACKS

Radiology Review Track
This educational track offers a broad review of cases across 11 subspecialties. Each session addresses one subspecialty and contains 60 minutes of didactic lecture and 30 minutes of case review. Registrants can participate in these sessions at no additional cost—it’s all part of your general registration fee.

MORE THAN 200 CME OPPORTUNITIES
The ARRS Annual Meeting offers ample opportunity to earn credit across a variety of platforms. All live sessions are eligible for CME and select sessions offer SAM credit. If you can’t make a session, don’t worry, recordings are available for all Annual Meeting sessions, with all sessions available for credit on demand. You can also earn credit on demand with select Electronic Exhibits.

MORE LEARNING OPPORTUNITIES
Exceptional learning opportunities are around every corner at the ARRS Annual Meeting, including Daily Cases, Lunch Symposia, Abstracts, and Commercial Exhibits. Visit www.arrs.org/meeting to view more information about the meeting.

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

MORE THAN 300 ELECTRONIC EXHIBITS
Many Offering Credit
Hundreds of educational and scientific electronic exhibits are available on demand to enhance your core diagnostic skills. Select exhibits offer CME/SA-CME credit.

 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.
SUNDAY
FEATURED COURSES

How Artificial Intelligence, Machine Learning, and Deep Learning Are Going to Change Your Career
May 3, 10:00 am–12:00 pm
This course will provide a glimpse of your future: how artificial intelligence (AI), machine learning (ML), and deep learning (DL) are going to change your career. This session will introduce AI, ML, and DL and then present a point/counterpoint discussion about the evils and benefits of AI in medical imaging and how it will completely change the field.

Contrast Reaction Management: Conundrums and Pitfalls
May 3, 10:00 am–12:00 pm
This course addresses common management errors made during unexpected contrast reactions that must be avoided.

Rock the Review: How to Get a Perfect Manuscript Score
May 3, 10:00 am–12:00 pm
Learn how to turn in an excellent manuscript review and get an overview of all AJR processes from submission to publication. Hear about optimal approaches for all sections of a manuscript, with examples of excellent and poor reviews provided. Completion of this course satisfies AJR new-reviewer training requirements.

Thyroid Cancer Therapy: Go High, Go Low, or Go Home!
May 3, 10:00 am–12:00 pm
This session will review thyroid cancer epidemiology, risk stratification, imaging and therapy guidelines including indications, challenges, and controversies for both adult and pediatric patients.

AJR Year in Review
May 3, 1:00–2:00 pm
With the growing number of radiology journals as well as the increasing complexity of radiologists' practices, staying on top of the latest peer-reviewed literature can be challenging. Discover the most noteworthy and must-read articles in radiology from the American Journal of Roentgenology over the past year across the spectrum of radiology.

Understanding MR Safety through AI Software Simulation
May 3, 1:00–3:00 pm
By utilizing and heavily emphasizing custom-developed graphic and visual software, this course will dissect the primary energies and fields used in the MRI process, explain their associated secondary risks, and focus on methodology as to how to assess and even quantify the potential risks associated with MR scanning of various foreign bodies, implants, and medical devices.

2020 GLOBAL EXCHANGE

Imaging Cardiovascular Disease: The Argentina/USA Experience
May 3, 10:00 am–12:00 pm
This multimodality, multispecialty course will highlight the similarities and different diagnostic approaches to common presentations and challenges of cardiovascular diseases.

Molecular Imaging and Therapy of Prostate Cancer
Presented in cooperation with the Society of Nuclear Medicine and Molecular Imaging.
May 3, 1:00–3:00 pm
Experts from SNMMI will speak on the most advanced nuclear medicine technology in both the imaging and therapy of prostate cancer. Topics will include fluciclovine-PET scans, PSMA-PET imaging, current and future radionuclide therapies, and the theranostic role of nuclear medicine.

Deep Dive into Head and Neck Radiology
May 3, 1:00–3:00 pm (Part 1)
3:30–5:30 pm (Part 2)
This head and neck mini-symposium will enable participants to dive deep into head and neck anatomy and pathology. The lectures in Part I will cover the topics related to temporal bone and orbits: “I Can’t See You” and “I Can’t Hear You.” This head and neck review will be invaluable to those preparing for certifying exam as well as daily practice.
Resident Symposium: 
Financial Literacy for 
Radiologists—Addressing an 
Underrecognized Cause of 
Physician Burnout 
May 3, 1:00–3:00 pm

This course will provide an introduction 
to financial topics pertinent to trainee and 
staff radiologists to increase their financial 
literacy with the hope to decrease physician 
burnout and stress. It will be given by 
radiologists who are passionate about the 
subject and who will provide an unbiased 
approach to personal finance for 2020.

Mass Casualty Incidents: 
Introduction for Imagers 
May 3, 3:30–5:30 pm

Experienced faculty will provide an 
overview of mass casualty incidents 
from the perspective of the military. 
The imaging process map will be 
broken down to explore the role of 
imaging in patient triage and increasing 
throughput. Useful tips and strategies 
for departmental improvement and 
integration will also be shared.

Micro and Macroaggressions: 
How to Be an Ally 
May 3, 3:30–5:30 pm

Microaggressions, whether intentional 
or not, are brief exchanges that can send 
denigrating messages to certain individuals 
because of their group membership; 
this course will suggest solutions to 
being a better colleague. Utilizing role-
play scenarios to reinforce technique, 
topics will include the identification of 
macroaggressions; the use of mindfulness 
in difficult conversations; how to engage in 
potentially problematic discussions; and 
what to say in the moment.

Practical Steps from Peer 
Review to Peer Learning 
May 3, 3:30–5:30 pm

This session will describe the current 
status and practice gaps in peer review 
in radiology, demonstrate the difference 
between peer review and peer learning 
with best practices and challenges, and 
include an interactive panel discussion.

State of the Art MRI of the Liver 
May 3, 3:30–5:30 pm

Eminent subject specialists will provide a 
state-of-the-art update on liver imaging, 
with emphasis on imaging of diffuse liver 
diseases, practical diagnostic approach of 
enhancing liver lesions, pitfalls in cirrhotic 
livers, and the use of hepatobiliary contrast 
agents in cirrhosis.
Now **ON DEMAND FOR 1 YEAR WITH CREDIT**

The 2020 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. Experience each session and maximize every CME/SA-CME credit opportunity after the meeting until May 2, 2021.

**ELECTRONIC EXHIBITS**

*Select exhibits offer credit on demand!*

Electronic exhibits covering educational and scientific topics across all the subspecialties will be available following the meeting for 1 year. Simply view the exhibits and answer the corresponding questions to earn your credit.

**SESSION RECORDINGS ON DEMAND**

*Credit offered for every session!*

View recordings of every Annual Meeting session following the meeting for 1 year and earn on-demand credit. Simply watch the recordings and complete the evaluations to earn your credit. You can even earn Self-Assessment credit for select sessions.

**Now 1 YEAR of on-demand access!**
GROUNDBREAKING RESEARCH

Search hundreds of abstracts by author, keyword, or subspecialty to dive into the latest original research. The 2020 abstracts will be available to view at the start of the meeting on Sunday, May 3.

It’s all a part of your ARRS Annual Meeting experience, and we don’t want you to miss a 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 more than 300 electronic exhibits
- View Daily Cases
- And much more!

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

—Stamatia Destounis, MD | Elizabeth Wende Breast Care, LLC (Rochester, NY)
Categorical Course
Sunday, May 3–Tuesday, May 5

This three-day Categorical Course will provide practice-based strategies for turning errors into opportunities in both acute and routine imaging settings. Renowned faculty will discuss the role of data and technology, proper use of standardized reports, and implementing peer learning to reduce errors. As a participant, not only will you review cases across the spectrum of radiology, but you will also gain the skills and strategies to overcome misses utilizing advanced technology.

Learning Outcomes
Upon completion of the course, participants will be able to:

- Formulate a process for peer learning.
- Discuss the potential and limitations of artificial intelligence for enhancing radiologist performance.
- Identify how the appropriate use of standardized reporting systems such as LI-RADS™ and TI-RADS™ can improve performance and reduce errors.
- Recognize common misses and misdiagnoses in each discipline in radiology.
- Describe strategies that assist in improving diagnosis in adult and pediatric radiology.

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 course after April 3 will receive the book approximately 2 months after the Virtual Meeting takes place. To receive the book to use with the Virtual Categorical Course, be sure to register prior to April 3.

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SUNDAY, MAY 3, 2020

10:00 am–12:00 pm
NONINTERPRETIVE

Why We Miss Things: The Science of Perception   J. Courtier, MD
Transitioning from Peer Review to Peer Learning: A How-to Guide   D. Kim, MD
Medical Liability for Radiologists   C. Young, MD
Structured Reporting to the Rescue: How to Add Value   M. Hartung, MD

1:00–3:00 pm
NEURORADIOLOGY IMAGING

Diffusion Imaging: How to Be Right When It's Bright   A. Kuner, MD
Brain Tumor Imaging: Adding Value and Improving Performance   B. Weinberg, MD
Understanding Errors in Head and Neck Radiology: Practical Observations and Potential for Improvement   P. Chapman, MD
Avoiding Pitfalls at the Skull Base   L. Ledbetter, MD

3:30–5:30 pm
MUSCULOSKELETAL IMAGING

Marrow Imaging: Avoiding Misinterpretations   J. Stephenson, MD
Disease of the Spinal Cord: How to Avoid Misdiagnosis   J. McCarty, MD
Spine Procedures: Avoiding Misadventures   J. Baker, MD
Avoiding Pitfalls in Pediatric Spine Imaging   M. Ho, MD

MONDAY, MAY 4, 2020

7:30–9:30 am
LEVERING DATA AND TECHNOLOGY

Improving Radiologist Performance with Artificial Intelligence   M. Richardson, MD
Machines Are Human Too: Limitations of Artificial Intelligence   T. O'Neill, MD
From Data to Diagnosis: An Abdominal Imager’s Perspective   J. Leyendecker, MD
Quality Initiatives to Improve Patient Outcomes   R. Mody, MD

10:00 am–12:00 pm
OPTIMIZING TECHNIQUE AND REPORTING

Using PI-RADS® to Improve Performance   S. Eberhardt, MD
How Not to Use LI-RADS®: Common Errors   K. Fowler, MD
Using the Thyroid Imaging Reporting and Data System   D. Fetzer, MD
See More with Optimized Abdominal CT Protocols   A. Ramesh, MD

1:00–3:00 pm
BODY IMAGING: THINGS WE MISS

Things We Miss or Misdiagnose in the Urinary Tract   D. Childs, MD
Things We Miss or Misdiagnose in the Liver   K. Elsayes, MD
Things We Miss or Misdiagnose in the Pancreas   D. Morgan, MD
Things We Miss or Misdiagnose in the GI Tract   B. Wildman-Tobriner, MD

3:30–5:30 pm
INTERVENTIONAL/EMERGENCY/NUCLEAR MEDICINE

Coaching as a Strategy for Peer Learning in Interventional Radiology   A. Gunn, MD
Neuroimaging   M. Zapadka, MD
Common Mistakes to Avoid in the ED: Body Imaging   C. LeBedis, MD
Common Errors in PET/CT Interpretation   P. Kuo, MD

TUESDAY, MAY 5, 2020

7:30–9:30 am
WOMEN’S IMAGING

How to Avoid Breast Cancer Misses   H. Greenwood, MD
Challenges of Dense Breasts: Update on Supplemental Screening   L. Wang, MD
Female Pelvic Masses: Tips to Avoid Misdiagnosis   K. Shampain, MD
Fetal MRI: Improving Diagnosis for Accurate Prenatal Counseling   M. Dighe, MD

10:00 am–12:00 noon
PEDIATRIC IMAGING

Nontraumatic Pediatric Chest Emergencies: Lesson Learned   A. Chaturvedi, MD
Nontraumatic Pediatric Abdominal Emergencies: Keys to Diagnosis   G. Phillips, MD
Postmortem Imaging CT and Nonaccidental Trauma   J. Otjen, MD
Lumps and Bumps: Tips to Narrow Differential Diagnosis on Extremity Ultrasound   M. Thapa, MD

1:00–3:00 pm
CHEST IMAGING/CARDIOVASCULAR IMAGING

Organizing a Lung Screening Program: Tips from the Field   C. Chiles, MD
Technological Advances in CT Evaluation of Pulmonary Embolism   S. Patel, MD
Portable CXR: Avoiding Misinterpretation   J. Chung, MD
Infections in the Immunocompromised Host: Improving Diagnosis   J. Bueno, MD

“By attending the categorical course, you can take information and apply it to practice tomorrow.”

—Sanjeev Bhalla, MD, Mallinckrodt Institute of Radiology
Categorical Course
Wednesday, May 6–Friday, May 8

This three-day Categorical Course will provide a holistic view of the emerging subspecialty area of multimodality vascular imaging. Renowned faculty will provide a comprehensive look at the application of each of the rich imaging modalities available for diagnosis of vascular disease. As a participant, you will gain insights to improve diagnosis of these pervasive and sometimes subtle diseases, as well as techniques to optimize image quality.

Learning Outcomes

Upon completion of the course, participants will be able to:

- Understand the relative strengths of key imaging modalities (ultrasound, CT, MRI, angiography), and appropriately apply each in the diagnosis of vascular disease.
- Adapt the latest best practices to optimize the quality of vascular imaging for each modality in their own practices.
- Recognize manifestations of traumatic and non-traumatic vascular injury, atherosclerotic disease, chronic thromboembolism, mesenteric ischemia, vasculitis, and congenital vascular abnormalities.
- Apply vascular imaging for surgical and interventional planning, including TAVR, prostatic embolization, surgical free flaps, and aortic aneurysm.
- Understand the latest imaging innovations (including artificial intelligence, spectral CT, 4D flow, and contrast-enhanced ultrasound), and utilize each to further improve diagnosis of vascular disease.

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 course after April 3 will receive the book approximately 2 months after the Virtual Meeting takes place. To receive the book to use with the Virtual Categorical Course, be sure to register prior to April 3.

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### COURSE SCHEDULE

**COURSE DIRECTORS:** ALBERT HSIAO, MD; PETER S. LIU, MD; CHRISTOPHER M. WALKER, MD

#### WEDNESDAY, MAY 6, 2020

**7:30–9:30 am**  
**IMAGING TECHNIQUE**  
- CTA Technique: Contrast Medium Dynamics, Low kVp, and Dual Energy Imaging  
  - R. Hallett, MD  
- MRA Technique: Noncontrast MRA  
  - M. Miyazaki, MD  
- Duplex Ultrasound Technique: Peripheral Arterial Disease and Venous Studies  
  - J. Jones, MD  
- Pediatric Techniques: Blood Pool Imaging/MR Lymphangiograms  
  - S. Chan, MD

**10:00 am–12:00 noon**  
**TRAUMATIC AND NONTRAUMATIC VASCULAR INJURIES**  
- Traumatic Vascular Injuries: An Emergency Radiologist’s Perspective  
  - C. Sandstrom, MD  
- Neurovascular Trauma  
  - J. W. Allen, MD  
- Acute Aortic Syndrome  
  - P. Agarwal, MD  
- Traumatic Vascular Injuries: An Interventional Radiology Perspective  
  - C. Ingraham, MD

#### THURSDAY, MAY 7, 2020

**7:30–9:30 am**  
**ADVANCED TECHNOLOGIES**  
- Artificial Intelligence for Vascular Imaging  
  - L. Hahn, MD  
- Novel Techniques in Vascular CT: Spectral CT, 4D CTA, and Computational Fluid Dynamics  
  - M. Willemink, MD  
- Advanced MRA: MRA, 4D Flow, and Oxygenation  
  - P. M. Young, MD  
- Contrast-Enhanced Ultrasound  
  - M. Shiroma, MD

**10:00 am–12:00 noon**  
**CONGENITAL VASCULAR**  
- Congenital Thoracic Vascular Anomalies  
  - J. Stowell, MD  
- Congenital Neurovascular Anomalies  
  - S. Soman, MD  
- Pediatric Vascular Lesions  
  - S. Josephs, MD  
- Low Flow and High Flow Vascular Malformations  
  - E. Monroe, MD

**1:00–3:00 pm**  
**PULMONARY VASCULAR AND THROMBOEMBOLIC DISEASE**  
- Thrombotic Pulmonary Embolism: Pitfalls in Diagnosis  
  - C. M. Walker, MD  
- Pulmonary Hypertension: An Approach to Chronic Thromboembolic Pulmonary Hypertension, Pulmonary Hypertension, Pulmonary Capillary Hemangiomatosis/ Pulmonary Venoocclusive Disease, and Mimics  
  - S. Digumarthy, MD  
- Pulmonary Arterial and Venous Interventions: May-Thurner, IVC Filters: Indications and Retrieval, Pulmonary Arterial Interventions with PE  
  - P. Johnson, MD  
- Imaging of the Pulmonary Veins  
  - C. Hassani, MD

**3:30–5:30 pm**  
**BOWEL AND BEYOND**  
- Understanding Mesenteric Ischemia  
  - A. Wasnik, MD  
- Vascular Considerations in the Female Pelvis  
  - J. Robbins, MD  
- Prostatic Artery Embolization for Benign Prostatic Hyperplasia: What, Why, and How  
  - A. R. Pel, MD  
- Emergent Vascular Conditions in Abdominopelvic Imaging  
  - E. A. Stein, MD

#### FRIDAY, MAY 8, 2020

**8:00–10:00 am**  
**AORTA AND TA VR**  
- Transcatheter Valve Planning: Protocol Optimization  
  - B. Ghoshhajra, MD  
- Imaging for Sizing Transcatheter Valve Interventions  
  - S. Zimmerman, MD  
- Imaging of the Posttranscatheter Valve Patient: Complications and Expected Imaging Appearances  
  - K. Orlov, MD  
- Imaging the Postsurgical Aorta  
  - D. Ocazionez, MD

**10:30 am–12:30 pm**  
**SUBSPECIALTY VASCULAR IMAGING**  
- Preoperative Imaging for Flap Transfers: What Radiologists Need to Know  
  - P. Liu, MD  
- MR Lymphangiography  
  - D. Kolokotlos, MD  
- Interventional Vascular Imaging: IVUS and CO2 Angiography  
  - W. Sherck, MD  
- Imaging Vasculitis  
  - J. Bueno, MD

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“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

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# RADIOLOGY REVIEW TRACK

**Available at no additional cost!**

This 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, May 5**
- 1:30–3:00 pm  
  Radiology Review: Vascular/Interventional  
  P. Trivedi, R. Ramaswamy, D. Abdollahian, H. Chou
- 3:30–5:00 pm  
  Radiology Review: Nuclear Medicine  
  R. Lim, P. Kuo, P. Bhambhvani, W. Rieter

**WEDNESDAY, May 6**
- 8:30–10:00 am  
  Radiology Review: Genitourinary  
  A. Kielar, D. Wolfman, B. Wildman-Tobriner, A. Mariano
- 10:30 am–12:00 pm  
  Radiology Review: Gastrointestinal  
  M. Yano, R. O’Malley, S. Wang, W. Masch
- 1:30–3:00 pm  
  Radiology Review: Chest  
  A. El-Sherief, D. Naeger, M. Martin
- 3:30–5:00 pm  
  Radiology Review: Pediatric  
  A. Khwaja, D. Rosenbaum, D. Saul, W. McCullough

**THURSDAY, May 7**
- 8:30–10:00 am  
  Radiology Review: Breast  
  B. Adrada, J. Kunjummen, L. Margolies, K. Kulkarni
- 10:30 am–12:00 pm  
  Radiology Review: Musculoskeletal  
  H. Garner, J. Stensby, J. Baker, O. Awan

**FRIDAY, May 8**
- 8:30–10:00 am  
  Radiology Review: Ultrasound  
  A. Kennedy, G. Fananapazir, P. Wang, P. Jha
- 10:30 am–12:00 pm  
  Radiology Review: Neuroradiology  
  M. Chapman, K. Fink, T. Kennedy, J. Becker

**Chair: David Naeger, MD**

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**LUNCHEON SYMPOSIA SERIES**

Have lunch while you learn! ARRS Luncheon Symposia are hosted by industry leaders who will bring you 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.
DAILY SCHEDULE

SUNDAY, MAY 3
8:00 – 9:30 am
Opening Ceremonies and Member Business Meeting

10:00 am – 12:00 pm
FC01. How AI, ML, and DL are Going to Change Your Career
R. Wiggins, L. Moy, J. Villanueva-Meyer
2 CME Credits, 2 SAM Credits
SAM

FC02. Contrast Reaction Management: Conundrums and Pitfalls
G. Salazar, J. Pahade, M. Parker, M. Sakala
2 CME Credits, 2 SAM Credits
SAM

FC03. Rock the Review: How to Get a Perfect Manuscript Score
T. Berquist, J. Provenzale
2 CME Credits

FC04. Thyroid Cancer Therapy: Go High, Go Low, or Go Home!
E. Akin, D. Yoo, L. Gordon, A. Sheikh
2 CME Credits, 2 SAM Credits
SAM

FC05. Imaging Cardiovascular Disease
F. Gutierrez, P. Carrascosa, L. Dragonetti, A. Bierhals, H. Bedi, S. Rossini
2 CME Credits, 2 SAM Credits
SAM

12:00 – 1:00 pm
Lunch on own

1:00 – 2:00 pm
RYR. AJR Year in Review
M. Lubner, S. Raniga, N. Lalwani
1 CME Credit

1:00 – 3:00 pm
FC06. Understanding MR Safety Through AI Software Simulation
E. Kanal
2 CME Credits, 2 SAM Credits
SAM

3:00 – 3:30 pm
Beverage Break – Ballroom Promenade

3:30 – 5:30 pm
FC07. Rectal Cancer Staging MR: Interactive Workshop
M. Harisinghani, M. Golub, D. Kim, K. Jhaveri
2 CME Credits, 2 SAM Credits
SAM

FC08. Molecular Imaging and Therapy of Prostate Cancer
S. Galgano, K. Zukotynski, P. Kuo
2 CME Credits, 2 SAM Credits
SAM

FC09. Deep Dive into Head and Neck Radiology, Part 1
N. Koontz, R. Wiggins, P. Chapman, M. Jhaveri, E. Quigley, D. Shatzkes
2 CME Credits, 2 SAM Credits
SAM

RS. Resident Symposium: Financial Literacy for Radiologists
G. Mitchell, S. Chan, C. Walker, J. Donald
2 CME Credits
RESIDENT

MONDAY, MAY 4
7:00 – 8:00 am

PH01. Breast Imaging
1 CME Credit

PH02. Emergency/General Radiology
1 CME Credit

FC10. Deep Dive into Head and Neck Radiology, Part 2
L. Ledbetter, K. Baugnon, P. Rhyner, C. Glastonbury, M. Mamlouk
2 CME Credits, 2 SAM Credits
SAM

FC11. Mass Casualty Incidents: Introduction for Imagers
S. Chong, R. Bilow, E. Roberge, C. Sliper, K. Linnau, M. Bernstein, F. Berger
2 CME Credits, 2 SAM Credits
SAM

FC12. Micro and Macroaggressions: How to Be an Ally
N. Kagetsu, C. DeBenedectis, A. Jay, L. Deitte
2 CME Credits, 2 SAM Credits
SAM

FC13. Practical Steps from Peer Review to Peer Learning
N. Kadom, C. Lee, R. Sharpe, S. Goldberg-Stein, J. Pahade
2 CME Credits, 2 SAM Credits
SAM

FC14. State of the Art MRI of the Liver
K. Fowler, C. Sirlin, K. Elsayes, V. Chernyak
2 CME Credits, 2 SAM Credits
SAM

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### DAILY SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenters</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 – 10:00 am</td>
<td>IC101. Challenging Abdominal Cases</td>
<td>C. Menias, P. Pickhardt</td>
<td>1.5 CME Credits, 1.5 SAM Credits</td>
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<tr>
<td></td>
<td>IC102. Pathology and Technology Updates for the Breast Imager</td>
<td>H. Pederson, B. Calhoun, H. Gilmore</td>
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<td></td>
<td>IC103. Pitfalls in Pediatric Musculoskeletal Imaging</td>
<td>N. Chauvin, J. Nguyen, A. Schapiro</td>
<td>1.5 CME Credits, 1.5 SAM Credits</td>
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<td></td>
<td>IC104. Lymphatics: Imaging to Intervention</td>
<td>G. Nadolski, J. Chick, J. Gemmete, R. Srinivas</td>
<td>1.5 CME Credits, 1.5 SAM Credits</td>
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<tr>
<td>10:30 am – 12:00 pm</td>
<td>IC105. Trauma and Emergency Imaging I</td>
<td>O. West, C. Raptis, S. Nicolaou, S. Steenburg</td>
<td>1.5 CME Credits, 1.5 SAM Credits</td>
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<td>IC106. CMR for Cardiomyopathies</td>
<td>J. Collins, K. Cummings, C. Dennie, B. Sundaram</td>
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<td>IC107. Stroke and Other Vascular Conundrums</td>
<td>J. Becker, S. Palasis, A. Osborn</td>
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<td>IC108. MRI of the Lesser Joints</td>
<td>H. Umans, N. Subhas, C. Chung</td>
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<tr>
<td>1:30 – 3:00 pm</td>
<td>IC109. Malpractice Involving Radiology, Update 2020</td>
<td>L. Berlin</td>
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<td>IC110. Trauma and Emergency Imaging II</td>
<td>J. Soto, F. Munera, S. Spence, M. Kumaravel</td>
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<td></td>
<td>IC111. Abdominal PET/CT: Innovations and Implications</td>
<td>T. Wong, M. Osman, O. James, G. Dillehay</td>
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<td></td>
<td>IC112. What’s New in Ultrasound?</td>
<td>S. Sheth, H. Choi, M. Caserta, S. Rodgers</td>
<td>1.5 CME Credits, 1.5 SAM Credits</td>
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<tr>
<td>3:00 – 3:30 pm</td>
<td>IC113. IR in Women’s Health</td>
<td>T. Cardi, C. Kaufman, R. Winokur</td>
<td>1.5 CME Credits, 1.5 SAM Credits</td>
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<td>IC114. Quality and Safety Core Concepts I</td>
<td>A. Kelly, P. Cronin, H. Abujudeh, S. Bastawrous</td>
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<td>IC115. Evaluating Lymph Nodes</td>
<td>H. Marshall, D. Plecha, M. Miller</td>
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<td>IC116. HRCT 1: The Basics</td>
<td>S. Agarwal, N. Parkar, B. Little, S. Rossi</td>
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<td>IC117. Biliary Imaging</td>
<td>C. Moreno, M. Lubner, A. Covey</td>
<td>1.5 CME Credits, 1.5 SAM Credits</td>
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</tbody>
</table>


**DAILY SCHEDULE**

**TUESDAY, MAY 5**

**7:00 – 8:00 am**

**PH03. Neuroradiology**

1.5 CME Credits

**PH04. Genitourinary Imaging**

1.5 CME Credits

**8:30 – 10:00 am**

**IC201. MR Imaging of the Hip and Pelvis**

D. Blankenbaker, J. Peterson, A. Zoga

1.5 CME Credits, 1.5 SAM Credits

**IC202. Pediatric IR Essentials**

M. Acord, J. Green, B. Dillon

1.5 CME Credits, 1.5 SAM Credits

**IC203. HRCT 2: Advanced**

J. Gruden, B. Elicker, S. Hobbs, M. Parker

1.5 CME Credits, 1.5 SAM Credits

**IC204. Pediatric Neuroradiology: Common Indications**

B. Soares, S. Milla, J. Wright, C. Maxfield

1.5 CME Credits, 1.5 SAM Credits

**SS07. Emergency/General Radiology**

1.5 CME Credits

**SS08. Neuroradiology**

1.5 CME Credits

**10:30 am – 12:00 pm**

**IC205. Commonly Missed Diagnoses in Musculoskeletal Imaging**

L. Ladd, C. Andrews, D. Flemming

1.5 CME Credits, 1.5 SAM Credits

**IC206. Nonpulmonary Thoracic Masses**

M. Hammer, J. Lichtenberger, T. Tao, D. Naeger

1.5 CME Credits, 1.5 SAM Credits

**IC207. Do Not Miss Lesions**

C. Torres, W. Gibbs, A. Betts

1.5 CME Credits, 1.5 SAM Credits

**IC208. Nuclear Medicine and PET/CT: Rules and Rebels**

D. Metter, H. Nadel, K. Banks, H. Agress

1.5 CME Credits, 1.5 SAM Credits

**IC209. Valve and Device Imaging**

P. Rajiah, S. Zimmerman, S. Patel, A. Shah

1.5 CME Credits, 1.5 SAM Credits

**SS09. Gastrointestinal Imaging**

1.5 CME Credits

**12:15 – 1:15 pm**

Lunch – Connection Quad

**12:15 – 1:15 pm**

Lunch – Corporate Lunch Symposium

**1:30 – 3:00 pm**

**IC210. MSK Spine Imaging: What the Surgeon Wants to Know**

E. Walker, B. Petersen, L. Shah

1.5 CME Credits, 1.5 SAM Credits

**IC211. Contrast-Enhanced Imaging**

C. Comstock, C. Badve, B. Patel

1.5 CME Credits, 1.5 SAM Credits

**IC212. Quality and Safety Core Concepts 2**

M. Bruno, J. Kruskal, H. Abujudeh, A. Kelly

1.5 CME Credits, 1.5 SAM Credits

**IC213. Update on Standardized Criteria in the GU Tract**

M. Davenport, S. Verma, D. Margolis

1.5 CME Credits, 1.5 SAM Credits

**RT01. Radiology Review: Vascular/Interventional**

P. Trivedi, R. Ramaswamy, D. Abdollahian, H. Chou

1.5 CME Credits, 1.5 SAM Credits

**SS10. Gastrointestinal Imaging**

1.5 CME Credits

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**FC** = Featured Course  
**IC** = Instructional Course  
**RT** = Radiology Review Track  
**PH** = Power Hour  
**SS** = Scientific Session
# DAILY SCHEDULE

## WEDNESDAY, MAY 6

**7:00 – 8:00 am**

**PH05.** Gastrointestinal Imaging  
1 CME Credit

**PH06.** Nuclear Medicine  
1 CME Credit

**8:30 – 10:00 am**

**IC301.** MR Imaging of Muscle Pathology  
D. Goodwin, M. Jesse, M. Mills  
1.5 CME Credits, 1.5 SAM Credits  
**S**AM **RESIDENT**

**IC302.** The Difficult Patient  
R. Gunderman  
1.5 CME Credits, 1.5 SAM Credits  
**S**AM **RESIDENT**

**IC303.** ABR Update: 2020  
B. Wagner, V. Mathews  
1.5 CME Credits  
**S**AM **RESIDENT**

**RT03.** Radiology Review: Genitourinary  
A. Kielar, D. Wolfman, B. Wildman-Tobriner, A. Mariano  
1.5 CME Credits, 1.5 SAM Credits  
**S**AM **RESIDENT**

**ss12.** Efficacy/Education/Administration  
1.5 CME Credits

**ss13.** Gastrointestinal Imaging  
1.5 CME Credits

## 9:30 – 10:30 am

**Beverage Break – Connection Quad**

## 10:30 am – 12:00 pm

**IC304.** Digital Breast Tomosynthesis  
E. Conant, S. Friedewald  
1.5 CME Credits, 1.5 SAM Credits  
**S**AM **RESIDENT**

**IC305.** Gynecologic Ultrasound  
J. Langer, A. Gupta, M. Moshiri  
1.5 CME Credits, 1.5 SAM Credits  
**S**AM **RESIDENT**

**IC306.** Guidelines in Thoracic Imaging  
S. Kligerman, C. Wu, J. Ko, A. Huete  
1.5 CME Credits, 1.5 SAM Credits  
**S**AM **RESIDENT**

**RT04.** Radiology Review: Gastrointestinal  
M. Yano, R. O’Malley, S. Wang, W. Masch  
1.5 CME Credits, 1.5 SAM Credits  
**S**AM **RESIDENT**

**ss14.** Musculoskeletal Imaging  
1.5 CME Credits

**ss15.** Vascular/Interventional Radiology  
1.5 CME Credits

**12:15 – 1:15 pm**

**Lunch – Corporate Lunch Symposium**

## 1:30 – 3:00 pm

**IC307.** Vascular Ultrasound  
J. Thompson, M. Revzin, M. Lockhart, G. Gunabushnam  
1.5 CME Credits, 1.5 SAM Credits  
**S**AM **RESIDENT**

**IC308.** CSF Issues: Hyper/Hypo/Hydro  
V. Zohrabian, T. Amrhein, M. Parsons  
1.5 CME Credits, 1.5 SAM Credits  
**S**AM **RESIDENT**

**IC309.** Excellence in Practice  
R. Gunderman  
1.5 CME Credits, 1.5 SAM Credits  
**S**AM **RESIDENT**
DAILY SCHEDULE

THURSDAY, MAY 7

7:00 – 8:00 am
PH07. Cardiac Imaging
1 CME Credit

8:30 – 10:00 am
IC401. MR Shoulder Update
M. Anderson, K. Davis, J. Pierce
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

IC402. Bowel Imaging
D. DiSantis, G. Gayer, J. Fletcher
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

10:30 am – 12:00 pm
IC403. Current Challenges in Renal Mass Diagnosis
J. Platt, S. Silverman, R. Cohan
1.5 CME Credits, 1.5 SAM Credits
SAM

IC404. Challenges in the Pediatric CNS
C. Jaimes, M. Ryan, R. Radhakrishnan
1.5 CME Credits, 1.5 SAM Credits
SAM

IC405. Advances in Abdominal Imaging
N. Dahiya, B. Patel, M. Ohliger
1.5 CME Credits, 1.5 SAM Credits
SAM

IC406. Chest and Heart PET/CT: Scintillating Architecture
E. Rohren, M. Nathan, R. Zeman, R. Avery
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

12:15 – 1:15 pm
Lunch – Connection Quad
12:15 – 1:15 pm

**Lunch – Corporate Lunch Symposium**

1:30 – 3:00 pm

**IC407. Pediatric MSK Radiology: Common Indications**
S. Menashe, N. Hull, C. Hollingsworth, J. Stimec
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**IC408. Topics in Gynecologic Imaging**
C. Menias, A. Venkatesan, G. Khatri
1.5 CME Credits, 1.5 SAM Credits
SAM

**IC409. Musculoskeletal Ultrasound**
J. Jacobson, T. Morgan, Y. Endo
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**RT09. Radiology Review: Cardiac**
K. Hanneman, D. Rapitis, L. Jiminez, Juan, D. Vargas
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**SS22. Neuroradiology**
1.5 CME Credits

**SS23. Musculoskeletal Imaging**
1.5 CME Credits

3:00 – 3:30 pm

**Beverage Break – Ballroom Promenade**

3:30 – 5:00 pm

**IC410. Emergency Thoracic Imaging**
I. Vlahos, C. Fuss, A. Bernheim, C. Lee
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**IC411. Pediatric Chest and Body Radiology: Common Indications**
L. Linam, P. Thacker, J. Swanson, G. Schooler
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**IC412. New Breast Imaging Topics**
J. Harvey, M. Bahl, J. Hayward
1.5 CME Credits, 1.5 SAM Credits
SAM

**IC413. Liver Imaging: Cirrhosis and Malignancy**
M. Bashir, K. Fowler, F. Miller
1.5 CME Credits, 1.5 SAM Credits
SAM

**SS24. Efficacy/Education/Administration**
1.5 CME Credits

**SS25. Vascular/Interventional Radiology**
1.5 CME Credits

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**FRIDAY, MAY 8**

7:00 – 8:00 am

**PH09. Musculoskeletal Imaging**
1 CME Credit

**PH10. Pediatric Imaging**
1 CME Credit

8:30 – 10:00 am

**IC501. How to Do It: Imaging Work-Up of CNS Pathology**
A. Grayev, A. Bhatt, P. Kranz
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**IC502. Tips in Interpreting the Chest Radiograph**
G. Abbott, C. Rapitis, R. Shah, S. Bhalla
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**IC503. Imaging of the Peritoneum and Retroperitoneum**
M. Heller, A. Gaballah, J. Sammon
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**RT10. Radiology Review: Ultrasound**
A. Kennedy, G. Fananapazir, P. Wang, P. Jha
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**SS26. Nuclear Medicine**
1.5 CME Credits

**SS27. Efficacy/Education/Administration**
1.5 CME Credits

10:00 – 10:30 am

**Beverage Break – Ballroom Promenade**

10:30 am – 12:00 pm

**IC504. Imaging of Gynecologic Malignancies**
V. Paroder, D. Ganeshan, P. Bhosale
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**IC505. Cardiac Techniques and Approaches**
K. Hanneman, C. Jokerst, P. Agarwal, J. Hsu
1.5 CME Credits, 1.5 SAM Credits
SAM

**IC506. Musculoskeletal Tumors: Advancements in Imaging**
D. Wenger, B. Amini, M. Murphey
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**RT11. Radiology Review: Neuroradiology**
M. Chapman, K. Fink, T. Kennedy, J. Becker
1.5 CME Credits, 1.5 SAM Credits
SAM RESIDENT

**SS28. Thoracic Imaging**
1.5 CME Credits

**SS29. Gastrointestinal Imaging**
1.5 CME Credits
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 47.00 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 AMA PRA Category 1 Credits™.

**Session Credit On Demand:** The ARRS designates this enduring activity for a maximum of 244.00 AMA PRA Category 1 Credits™. 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.

**Self-Assessment Credits**

SAM credits and SA-CME credits both fulfill MOC Part II requirements for the ABR. The 2020 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 43.50 hours of SAM credit through courses.

**On-Demand SA-CME Credits**

Sessions that offer MOC Part II credit will offer SA-CME credit when completed as part of the On-Demand Meeting. Select electronic exhibits offer SA-CME credits as well.

**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

**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

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

**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.
The early-bird deadline for the Annual Meeting is March 2. The regular registration deadline for the Annual Meeting is April 3. Late registrations will be accepted either online only from April 4 – May 8 or at the ARRS On-Site Registration Welcome and Information Center at the Sheraton Grand Chicago, May 3-8.

It is expected that individuals participating in functions taking place during the Annual Meeting, including committee meetings and social events, will be registered for the meeting.

By entering the event premises, meeting registrants consent to photography and video recording and its/their release, publication, or reproduction to be used by the ARRS.

**AUDIO/VIDEO RECORDING POLICY**
Copying any presentation by camera, audio, or video recording equipment is strictly prohibited. Meeting registrants are given access to all session recordings and credit is available on demand during the meeting. Access and credit claiming continue to be available through May 2, 2021.

**ANNUAL MEETING CANCELLATION POLICIES**
Cancellations received in writing by April 3 will be processed and refunded by check after the meeting minus a 25% nonrefundable cancellation fee. Refunds will not be provided for cancellations for any reason after April 3. Refund requests of the 25% 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 April 3 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 29 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 29, 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 29 to receive the member registration fee discount. After April 29, the membership application and Annual Meeting registration form must be submitted together at the ARRS On-Site Registration Welcome and Information Center in Chicago, IL.

**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

**2020 ANNUAL MEETING**

*Registration Opens December 1.*  
*Register by March 2 to receive the lowest rates!*

<table>
<thead>
<tr>
<th>ANNUAL MEETING</th>
<th>Early-Bird Registration Dec. 2–Mar. 2</th>
<th>Regular Registration Mar. 3-Apr. 3</th>
<th>Late Registration Apr. 4-May 8 (online only)</th>
<th>On-Site Registration May 3–8</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARRS Physician Members</td>
<td>$599</td>
<td>$699</td>
<td>$799</td>
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</tr>
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<td>$1,599</td>
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## ADDITIONAL REGISTRATION FEES

<table>
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</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, May 3–Friday, May 8, 2020, at the Sheraton Grand Chicago in Chicago, IL.

Q. What is the registration deadline?  
A. The regular registration deadline for the meeting is April 3. After April 3, late registrations will only be accepted online. Paper registrations by postal mail or fax cannot be processed after April 3. To obtain the best registration rates, plan to register by the early-bird deadline of March 2.

Q. How do I register after the regular registration deadline, April 3?  
A. After April 3, you may either register for the Annual Meeting online through May 8 or you may register in-person at the ARRS On-Site Registration Welcome and Information Center at the Sheraton Grand Chicago in Chicago, IL, from May 3-8.

Q. Do I need to register guests for the meeting? What does the guest fee include?  
A. The fee is $99 per guest and provides entrance to the Connection Quad, which includes daily lunches Monday–Thursday as well as 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. A co-worker or industry associate is NOT eligible for this badge and must register in the appropriate registration category and pay the applicable registration fees.

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 at the Sheraton Grand Chicago.

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 transfer my Annual Meeting registration to a Virtual Meeting registration?  
A. Yes, you may transfer your Annual Meeting registration record to a Virtual Meeting registration record 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 April 8 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. Written requests received by April 29 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 29, requests to transfer from the Annual Meeting to the Virtual Meeting cannot be processed.

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 April 3 will be processed and refunded by check after the meeting minus a 25% nonrefundable cancellation fee. After April 3, cancellations will be processed but refunds will not be issued. Cancellations will not be accepted by telephone. Refund requests of the 25% 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. How do I register after the regular registration deadline, April 3?  
A. After April 3, you may either register for the Annual Meeting online through May 8 or you may register in-person at the ARRS On-Site Registration Welcome and Information Center at the Sheraton Grand Chicago in Chicago, IL, from May 3-8.

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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 at the Sheraton Grand Chicago.
The early-bird deadline for the Virtual Meeting is March 2. The regular registration deadline for the Virtual Meeting is April 3. Late registrations will be accepted, online only from April 4-May 8.

**AUDIO/VIDEO RECORDING POLICY**

Copying any presentation by camera, audio, or video recording equipment is strictly prohibited. Meeting registrants are given access to all session recordings and credit is available on demand during the meeting. Access and credit claiming continue to be available through May 2, 2021.

**VIRTUAL MEETING REGISTRATION CANCELLATION POLICY**

Cancellations received in writing by April 3 will be processed and refunded by check minus a 25% nonrefundable cancellation fee. After April 3, 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.

Submitted registration forms online, by fax, or mail serves as acknowledgement, acceptance, and agreement of all registration policies.

**VIRTUAL MEETING TRANSFER TO ANNUAL MEETING**

Need to change your registration from the Virtual Meeting to the Annual Meeting? Written requests received by April 3 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 April 3, 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 Chicago, IL, 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 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 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 29 to receive the member registration fee discount. After April 29, you must register for the Virtual Meeting at the nonmember registration rate.

### VIRTUAL MEETING REGISTRATION INFORMATION

**Registration Opens December 1.**

**Register by March 2 to receive the lowest rates!**

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<td>$450</td>
</tr>
</tbody>
</table>
Q. When will the Virtual Meeting be held?
A. The meeting will be held Sunday, May 3–Friday, May 8, 2020, and will be broadcast live online based on Central Standard Time (CST).

Q. What is the registration deadline?
A. The regular registration deadline for the meeting will be April 3. After April 3, late registrations will only be accepted online through May 8. To obtain the best registration rates, plan to register by the early-bird deadline of March 2.

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 your ARRS 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 29 to receive the member registration fee discount. After April 29, you must register for the Virtual Meeting at the nonmember registration rate.

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.

Q. What is the cancellation policy?
A. Written requests for cancellations should be sent by email to meetings@arrs.org; by fax to 703-729-4839; or by mail to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109. Written requests received by April 3 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 April 3, 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 Chicago, IL, 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. 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 meetings@arrs.org; by fax to 703-729-4839; or by mail to: ARRS, 44211 Slatestone Court, Leesburg, VA 20176-5109. Written requests received by April 3 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 April 3, 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 Chicago, IL, 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.

Not Yet an ARRS Member? 
TAKE ADVANTAGE OF REGISTRATION SAVINGS & JOIN TODAY

APPLY ONLINE
Go to www.arrs.org and click on Login at the top of the page. If you do not have an ARRS account, click on Create Account. Once you have created an account, login and click on Membership. Be sure to indicate on the online application form that you plan to attend the ARRS 2020 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.
ARRS 2020 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 + COUNTRY & CITY CODE (IF APPLICABLE) ____________________ FAX ____________________

EMAIL ADDRESS (CONFIRMATION & COMMUNICATIONS SENT TO THIS EMAIL) ____________________

DEGREES (MD, PhD, etc.) ____________________

NAME(S) OF GUEST(S) ($99 per guest fee applies, includes Connection Quad admission, beverage breaks, and lunch Monday–Thursday)

EMERGENCY CONTACT NAME ____________________ TELEPHONE ____________________ EMAIL ADDRESS ____________________

GENERAL REGISTRATION

<table>
<thead>
<tr>
<th></th>
<th>EARLY-BIRD THROUGH 3/2/2020</th>
<th>REGULAR THROUGH 4/5/2020</th>
<th>LATE*/ONSITE</th>
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<tr>
<td>ARRS PHYSICIAN MEMBER</td>
<td>$599</td>
<td>$699</td>
<td>$799</td>
</tr>
<tr>
<td>ARRS EMERITUS MEMBER</td>
<td>$399</td>
<td>$499</td>
<td>$599</td>
</tr>
<tr>
<td>ARRS SENIOR RADIOLOGIST SECTION MEMBER</td>
<td>$499</td>
<td>$599</td>
<td>$699</td>
</tr>
<tr>
<td>ARRS IN-TRAINING MEMBER</td>
<td>$250</td>
<td>$350</td>
<td>$450</td>
</tr>
<tr>
<td>ARRS TECHNOLOGIST AND NURSE MEMBER</td>
<td>$250</td>
<td>$350</td>
<td>$450</td>
</tr>
<tr>
<td>NONMEMBER</td>
<td>$1,599</td>
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</tbody>
</table>

FEE-BASED COURSES

Check the course(s) for which you are registering.

<table>
<thead>
<tr>
<th></th>
<th>ARRS MEMBER</th>
<th>NONMEMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Sunday, May 3–Tuesday, May 5: Categorical Course: Common Misses in Clinical Practice</td>
<td>$200</td>
<td>$400</td>
</tr>
<tr>
<td>☐ Wednesday, May 6–Friday, May 8: Categorical Course: Multimodality Vascular Imaging: From Head to Toe</td>
<td>$200</td>
<td>$400</td>
</tr>
</tbody>
</table>

All other courses will be selected after you register for the meeting.

SELECT YOUR LUNCHES

ARRS provides lunch to meeting registrants Monday–Thursday. Please check the days you will be eating lunch provided by the Society.

☐ Monday ☐ Tuesday ☐ Wednesday ☐ Thursday

Registration Fees

Enter the dollar amount for your selections.

<table>
<thead>
<tr>
<th></th>
<th>USD $</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Registration Fee</td>
<td></td>
</tr>
<tr>
<td>Categorical Course: Common Misses Fee</td>
<td></td>
</tr>
<tr>
<td>Categorical Course: Vascular Fee</td>
<td></td>
</tr>
<tr>
<td>Guest Fee ($99 Per Guest)</td>
<td></td>
</tr>
<tr>
<td>TOTAL FEES (All fees are in USD):</td>
<td>USD $</td>
</tr>
</tbody>
</table>

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

Credit Card ☐ ☐ ☐ ☐

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<thead>
<tr>
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<tr>
<th></th>
<th>☐ MasterCard ☐ ☐ VISA ☐ ☐ American Express</th>
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<tbody>
<tr>
<td></td>
<td>Credit Card #</td>
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</tbody>
</table>

Registration Policies

By entering the event premises, meeting registrants consent to photography and video recording and its/their release, publication, or reproduction to be used by the ARRS.

Register by credit card 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.

Audio/Video Recording Policy

Copying any presentation by camera, audio, or video recording equipment is strictly prohibited. Meeting registrants are given access to all session recordings and credit on demand during the meeting. Access is available through May 2, 2021.

Cancellation Policy

Cancellation requests received in writing by Friday, April 3, to meeting@arrs.org will be processed and refunded by check after the meeting minus a 25% cancellation fee. After April 3, refunds will not be issued for any reason. Refund requests will not be considered regardless of the registration category, amount paid, or when requested. After April 3, 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 cancellations policies.

Transfer Policy

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 requests received by April 3 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 29 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 29, requests to transfer from the Annual Meeting to the Virtual Meeting cannot be processed.

*Late registrations will only be accepted online from April 4–May 8 or on site at the ARRS Welcome and Information Center in Chicago, IL, May 3-8.
ARRS 2020 VIRTUAL 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  COUNTRY & CITY CODE (IF APPLICABLE) FAX
EMAIL ADDRESS (CONFIRMATION & COMMUNICATIONS SENT TO THIS EMAIL)

DEGREES (MD, PhD, etc.)

GENERAL REGISTRATION

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CATEGORICAL COURSE: COMMON MISSES IN CLINICAL PRACTICE

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<tbody>
<tr>
<td>ARRS MEMBERS</td>
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CATEGORICAL COURSE: MULTIMODALITY VASCULAR IMAGING: FROM HEAD TO TOE

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Credit Card☐ | MasterCard ☐ | VISA ☐ | American Express ☐

Credit Card #
Exp. Date /
Card Holder’s Name
Signature

Registration Policies

Register by credit card 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 418663, Boston, MA 02125-8663. Registrations by telephone will not be accepted.

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*Late registrations will only be accepted online from April 4–May 8.

www.arrs.org/meeting

ARRS 2020 ANNUAL MEETING

www.arrs.org/meeting  |  ARRS 2020 ANNUAL MEETING
Register by **March 2** to receive the lowest rates!

**CAN’T COME TO CHICAGO?**
Participate online with the Virtual Meeting.