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2014 ACR/ARHP ANNUAL MEETING

Pre-Meeting Courses November 14 - 15, 2014
Scientific Sessions November 15 - 19, 2014

Important Dates

Member housing and registration Opens June 4, 2014
Non-member housing and registration Opens June 18, 2014
General Abstract Submission Opens May 5, 2014
Deadline: June 24, 2014
Late-Breaking Abstract Submission Opens September 22, 2014
Deadline: October 31, 2014





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“We believe our programs this year will have a broad appeal to the pure academician as well as clinical practitioners,”

Chester V. Oddis, MD, Chair of the Annual Meeting Planning Committee

Boost your knowledge, forge your career path, expand your network

and join the exciting ride to rheumatology's future. The ACR/ARHP Annual Meeting has something for everyone — offering a wide range of programs to educate professionals in every segment of the field. Whether you're a clinician in private practice, a researcher, academician, educator, practice manager, pediatric rheumatologist, fellow-in-training, advance practice nurse, physician assistant, physical or occupational therapist, you will find a variety of topics to meet your educational needs and interests. From bench to bedside and business administration, we've got you covered!

Clinicians

Today's rheumatology clinician treats patients with a wide array of conditions each day. To keep up with the latest research data on the many rheumatic diseases and potential complications that rheumatologists encounter, this year's Annual Meeting offers comprehensive, engaging Clinical Practice and Clinical Science Tracks.

In these exciting sessions, you'll encounter top experts from rheumatology and other key specialties discussing cutting-edge findings and their practical applications in the patient-care setting. In lively debates or stimulating case-sharing sessions, you will find useful information to take home to your practice. This year's Great Debate “Belimumab for Lupus, Yea or Nay?” brings top experts together to argue the pros and cons of treating SLE with belimumab, a currently controversial topic facing rheumatology clinicians.

Researchers and Academicians

Both professionals engaged in pure rheumatology research and clinicians curious about potential future applications for today's cutting-edge science will appreciate the Annual Meeting's Basic Science Track. Whether or not you work in a research setting, you'll enjoy hearing leading investigators share their latest findings that will shape our understanding of autoimmunity and other processes.

Health Professionals

Inspired by the host city's powerful “Boston Strong!” slogan, this year's Health Professionals Track focuses on wellness and resilience, as well as important clinical updates. Keynote speaker Cindy Coney, who has lived with lupus for 30 years, and speaker Monique Gignac, PhD will both offer inspiring ideas for rheumatology practitioners on how to help patients thrive despite their conditions. They'll also share tips on how health-care workers in all clinical settings can achieve work/life balance and cope with stress in their own lives.

Clinical updates will give busy professionals working in every area of rheumatology care a deeper understanding of the science behind new treatments.

Practice Managers

Practice managers face many new challenges including office compliance, increased audit scrutiny, and changes to the reimbursement landscape. Get the latest practical information that will help your rheumatology practice thrive and avoid costly, frustrating delays. Sessions will include how to avoid a practice audit, useful tips for new codes, great ideas for creating patient experience surveys, payment reform issues, and HIPAA updates that will offer practice and clinical managers the targeted, useful information they need to help their organizations thrive.

If you cannot attend the entire meeting, take advantage of the condensed Practice Managers' program on Sunday, November 16. We have special package rates available for you.

Pediatric Rheumatologists

Understanding and treating rheumatic diseases in children has long been a challenge for rheumatologists, but pediatric rheumatology has seen many breakthroughs in recent years. At this year's Annual Meeting, pediatric-focused sessions include exciting new research and innovative approaches to treating kids with rheumatic disease. Pain management in kids is one example. “When Pills Are Not Enough” is one planned educational session that will explore the complex challenges associating with managing arthritis pain in young, growing patients. You will also find information on how to maintain good bone health in children with rheumatic diseases despite taking steroids, and discover cutting-edge research looking at different phenotypes regulating juvenile dermatomyositis (JDMS).

Fellows-in-Training

For rheumatology fellows-in-training, the ACR/ARHP Annual Meeting is a unique, treasured opportunity to gain knowledge about the latest disease research and clinical issues. It's also a time to network, learn more about the future arc their careers may take, and to get advice from leading rheumatologists about working in the field.

To ensure that fellows get most of their time at the meeting, the Committee has planned a variety of programs and fellows will find much more than practice and research education opportunities. Leading rheumatologists will provide information and guidance on the more practical issues of entering the field like career planning, contract negotiation, working with industry, pediatrics and work/life balance.





CONNECT

Become part of the meeting! Boston is the destination, but your experience extends well beyond the walls of the convention center into your home or office.

- It starts in September with the launch of the new **Annual Meeting Event APP** – mobile, tablet and desktop friendly, use it to browse the program, view abstracts and build your itinerary. Access syllabi throughout the meeting via the APP as speakers upload their slides on-site.
- During the meeting, stay up-to-date on the latest rheumatology conversations, hot topics and events by connecting with your colleagues on **Twitter, Facebook, YouTube** or visit the **Social Networking Kiosk** onsite.
- Network and build connections through ACR Study Groups, ARHP Networking Events and the ACR Career Connection service
- Over 150 organizations from around the world will be exhibiting, so take advantage of this networking opportunity by visiting the exhibit hall.

After the meeting, use **SessionSelect** to catch-up on those sessions you missed. It is free for a full year with your registration!



ENGAGE

Stimulate your mind through an array of educational formats and tracks:

- **High-impact educational sessions** that address the latest science and best practices presented through peer-reviewed and selected clinical and scientific abstracts and invited speakers providing clinical, evidence-based and quality focused content.
- **Diverse learning formats** of educational delivery, including: didactic lectures, debates, and interactive sessions, such as poster tours, Meet the Professor, and workshop sessions designed to maximize your learning experience.
- **Specialty formatted sessions** designed to engage learners in new and interactive ways, including the Thieves' Market – Show Me Your Best Cases, Curbside Consults – Ask the Professors, the ACR Knowledge Bowl, themed boot camp series and poster tours.
- **Educational tracks** to help identify content targeted to your area of specialty and interest. Primary tracks include: Basic Science, Business/Administration, Clinical Practice and Clinical Science, but look also for pediatric, educators, practice managers and fellows-in-training designated sessions.



Boston is a vibrant, thriving city renowned for its cultural facilities, world-class educational institutions, champion sports franchises, as well as its place at the very forefront of American history.



SEE



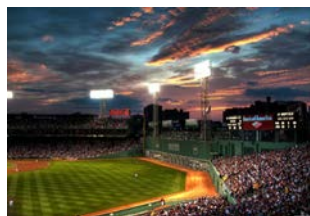
About Boston

This year's ACR/ARHP Annual Meeting is in exciting Boston!

This cosmopolitan city pulses with charm and culture. In addition to being the home of many leading academic and research institutions, Boston is a welcoming city that buzzes with energy day and night. Boston's walkability and transportation options make it easy to enjoy all the sites. Explore Boston's 23 distinctive neighborhoods, including chic shopping in Beacon Hill and Back Bay, gourmet seafood and Italian restaurants in the North End, and inspiring art at the Museum of Fine Arts and the Isabella Stewart Gardner Museum. Hop on the Beantown Trolley for a guided tour of Boston's history and architecture. Soak up live jazz at the Boston Center for the Arts, or enjoy the Boston Children's Museum with your family. Walk the Freedom Trail, taste a hot bowl of clam chowder, and savor the crisp, fall air in the magical capital of New England.



GET THERE



Meeting Venue

Boston Convention & Exhibition Center (BCEC)
415 Summer Street
Boston, MA 02116
www.massconvention.com

Important Dates:

Member housing and registration.	Opens June 4, 2014
Non-member housing and registration	Opens June 18, 2014
General Abstract Submission.	Opens May 5, 2014 Deadline: June 24, 2014
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For registration and housing details
visit us online at ACRannualmeeting.org.



**AMERICAN COLLEGE
OF RHEUMATOLOGY**
EDUCATION • TREATMENT • RESEARCH

(404) 633-3777 | info@rheumatology.org | www.rheumatology.org



2014 PRELIMINARY PROGRAM BROCHURE



Brochure contains:

- **Pre-Meeting Courses:** including course overviews, learning objectives, educational tracks, date and time.
- **Meeting-at-a-Glance by Track:** including sessions listed by educational track, date and time.
- **Meet the Professor and Workshop Sessions:** including topics, speakers, date and time.

Note: This is a preliminary program and the sessions listed in this brochure are subject to change.

EDUCATIONAL TRACK DESIGNATIONS

Educational tracks to help identify content targeted to your area of specialty and interest.

Tracks include:

B Basic Science

This track is designed for **researchers** and **academicians** pursuing cutting-edge science.

B/A Business/Administration

This track will assist **practice managers**, **clinicians** and **health professionals** searching for information or guidance on issues impacting the business side of rheumatology practice.



NEW THIS YEAR!

PM Practice Management

This sub-track provides **practice managers** with in-depth training that focuses on practical skills needed to keep rheumatology practices current with medical coding updates, compliance rules and Federal regulations.

CP Clinical Practice

This track is geared towards **clinicians** and **health professionals** seeking practical applications in the patient-care setting.

C Clinical Science

This track is intended for **researchers**, **clinicians** and **health professionals** looking for the latest research findings and their practical treatment applications.



PRE-MEETING COURSES

Pre-meeting courses require a separate registration fee.



AAMC MEDICAL EDUCATION RESEARCH CERTIFICATE (MERC) WORKSHOP: FORMULATING RESEARCH QUESTIONS AND DESIGNING STUDIES ^B

Saturday, November 15

9:00 AM – Noon

Course Overview:

In this workshop, participants will brainstorm research ideas, write, and refine a measurable research question. Participants will discuss when Institutional Review Board approval is required for their study. The basics of research design will be discussed and applied to their selected research question.

This session is not eligible for CME credit.

Upon completion of this session, participants should be able to:

- write a FINER (feasible, interesting, novel, ethical, relevant) educational research question
- specify an educational research area of interest
- evaluate whether they need Institutional Review Board approval for their study
- select the correct design for their research question

AAMC MEDICAL EDUCATION RESEARCH CERTIFICATE (MERC) WORKSHOP: MEASURING EDUCATIONAL OUTCOMES WITH RELIABILITY AND VALIDITY ^B

Saturday, November 15

1:00 – 4:00 PM

Course Overview:

This workshop introduces participants to the principles of score reliability and validity, using a combination of didactics and review of medical education research projects. The workshop is divided into two parts with group exercises designed to reinforce understanding of the main principles.

This session is not eligible for CME credit.

Upon completion of this session, participants should be able to:

- identify three types of reliability (inter-rater, test-retest, and internal consistency)
- match types of reliability with appropriate statistical measures
- describe the relationship between reliability and validity
- describe multiple forms of evidence for validity
- select an approach to reliability and validity assessment for a particular study

ACR/ABIM MAINTENANCE OF CERTIFICATION LEARNING SESSION – 2014 UPDATE IN RHEUMATOLOGY ^{CP}

Friday, November 14

1:00 – 6:00 PM

Session Overview:

The American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program requires all physicians to earn 100 points

every five years. ACR/ABIM Maintenance of Certification Learning Session – 2014 Update in Rheumatology is both a live and online activity that supports physicians in completing 10 MOC points in Medical Knowledge. The ABIM's Update in Rheumatology for 2014 will be covered by clinical experts while you test your understanding through case-based questions.

Upon completion of this session, participants should be able to:

- assess strengths and weaknesses in rheumatology medical base knowledge
- state major developments in rheumatology over the past ten years
- satisfy a self-evaluation requirement for the American Board of Internal Medicine Maintenance of Certification program

ACR BASIC RESEARCH CONFERENCE: EMERGING PERSPECTIVES ON THE MICROBIOME IN THE RHEUMATIC DISEASES – 1.5-DAY COURSE ^B

Friday, November 14

1:00 PM – 6:00 PM

Course Overview:

This conference will focus on understanding how susceptibility for rheumatic diseases can arise from alterations in composition of the microbiome at different anatomic sites. These presentations will embrace evolving concepts of the composition of the microbiome, the interactions between commensal microbiomes, and the adaptive and innate immune system, as well as the range of associated molecular mechanisms. Major emphasis will be on the development of rheumatic diseases, such as rheumatoid arthritis and the spondyloarthropathies, and how these inherited changes affect cartilage, bone and periarticular tissues, as well as disease-characteristic innate and adaptive immune abnormalities.

Upon completion of this session, participants should be able to:

- describe underlying principles and evidence demonstrating how the microbiome can affect immune development and thresholds of immune responsiveness
- examine the technologic and bioinformatics tools that are used to provide quantitative data that enable correlations with host phenotypes and alterations (or dysbioses) within the microbiome
- describe disease states that may be affected by microbial dysbioses

Keynote Lecture: Microbiome and Host Immune Defenses

Session I: Overview of General Principles

Culture Independent Surveys of Microbiomes

Surveys of Human Populations and Families

Analysis and Models of Microbiomes

Multi-omics

Session II: The Microbiome and Regional Immunity

Microbial Molding of Mucosal Immunity

Microbiome and Lung

Microbial Regulation of Responses in the Skin

Immunity at the Barriers



Saturday, November 15

8:00 AM- 4:30 PM

Session III: Mechanisms of Immune Activation and Regulation

Mechanisms of Immune Activation and Regulation

Microbiome and Gut T cell Signaling

Microbiota and Tumor Immunity

Microbiome-Immune System Interactions

Session IV: Microbiome and Rheumatic Disease

Microbiome and Psoriatic Arthritis

Microbiome and Rheumatoid Arthritis

Microbiome and Inflammatory Bowel Disease

GALT Mediated Regulation of Immunologic Tolerance and Systemic Lupus Erythematosus

Session V: Prospects for Manipulating Disease Through the Microbiome

Consequences for Disease and Health of Shifting the Microbiome: Antibiotics, Probiotics and Nutraceuticals

Treatment of Inflammatory Bowel Disease With Nematodes

Manipulating the Urogenital Microbiome of Women

Fecal Transplants

ACR CLINICAL RESEARCH CONFERENCE: PATIENT-CENTERED OUTCOMES IN RHEUMATOLOGY – 1.5-DAY COURSE

Friday, November 14

1:00 – 6:00 PM

Course Overview:

Patient-centered outcomes are increasingly recognized as a valuable measure of the impact of arthritis therapy that includes a comprehensive approach not just limited to medication. By measuring patient-centered, rather than disease-centered outcomes, and having a broader understanding of the role of research, clinical care, and quality measurements and improvements, patient care and outcome may be improved. Rheumatologists, patients, researchers and other stakeholders have a vested interest in selecting measures that accurately reflect the desired outcome. This course will allow participants to identify critical elements when using a measure, interpreting scores/measurements and using outcomes data to improve clinical practice.

There is an expressed need for enhancing provider and patient interaction around patient-reported outcomes as a means to improve shared decision making. This session will feature patients presenting their perspectives and research as partners in improving patient outcomes.

Upon completion of this session, participants should be able to:

- define the role of patient-centered outcomes from the perspectives of clinical researchers, patients, caregivers and other stakeholders
- define the contribution of patient-centered outcomes in a learning health care system
- describe use case for patient-reported outcomes in clinical care and identify strategies to overcome barriers to use
- identify and select key variables to consider in selection of patient reported outcomes measures
- review ways to incorporate patient-reported outcomes results into shared decision making in their respective clinical settings

Session I: Methodology and Development

Patient-Centered Outcome Research: Why Methods Matter (include history of PCORI)

Modern Methods in Patient-Reported Outcomes Measure Development

Advances in Comparative Effectiveness Research Methods in Rheumatology

Patient-Centered Outcomes Research Institute (PCORI) and Patients as Partners in Research

“Nothing About Me Without Me”: Including the Patient in Outcomes Research

Session II: Translating Patient-Centered Outcomes to the Real World Setting

The Role of Patient-Centered Outcomes in a Learning Health System

How New Treatments Show They Are Working

Learning Health System and Patient-Centered Outcomes in Pediatric Rheumatology

Saturday, November 15

7:45 AM – 4:30 PM

Session III: Research Perspective

Patient-Centered Outcome Research in ANCA-Associated Vasculitis

Patient-Centered Outcome Research in Pediatrics

Patient-Centered Outcome Research in Scleroderma

Session IV: Clinical Care Perspective: Practical Tools for Using PROs

Use of Patient-Reported Outcomes in Rheumatology Clinical Practice

Passive Patient-Reported Outcomes: Biosensors and Social Media to Track Patient Outcomes

Shared Decision Making: Incorporating Patient-centered Outcomes Family Communication – The Next Frontier for Improving Patient Satisfaction

Big Data From Patients Themselves: The Value of Crowd Sourcing

Session V: Patient Perspective

Importance of Patient-Centered Outcomes From the Patient's Viewpoint

Gaming, Resilience and Improved Outcomes

Parent Engagement in Care and Research



Session VI: Patient-Reported Outcome Measures in Research and Clinical Trials

The Patient-Reported Outcomes Measurement Information System in Rheumatology

Incorporating Patient-Centered Outcomes in Product Development: Industry Perspective

Upon completion of this session, participants should be able to:

- review the key clinical issues related to pregnancy in the lupus patient
- discuss some of the more common clinical challenges facing the rheumatologist and obstetrician
- formulate some recommendations regarding the management of pregnancy and the role of the rheumatologist

The Diagnosis and Management of Macrophage Activation Syndrome

Session Overview:

Macrophage activation syndrome (MAS) is a syndrome of excessive inflammation and tissue destruction due to abnormal immune activation. In general, the excessive inflammation is thought to be caused by a lack of normal down regulation of activated macrophages and lymphocytes. This lecture will review the presentations of MAS in the rheumatology population. The differential diagnosis will be reviewed, and the appropriate lab workup will be discussed. Management of MAS will be highlighted.

Upon completion of this session, participants should be able to:

- identify the clinical features of macrophage activation syndrome
- review the steps required to establish the diagnosis, using lab and clinical criteria
- discuss treatment options for macrophage activation syndrome

Interstitial Lung Disease in Rheumatic Disease: A Focused Review

Session Overview:

This review lecture will focus on the intersection between interstitial lung disease and the rheumatic diseases. How these patients present to the rheumatologist and aspects of this patient's work-up will be discussed. The appropriate diagnostic testing and treatment options for these patients will be reviewed.

Upon completion of this session, participants should be able to:

- evaluate patterns of interstitial lung disease (ILD) and the clinical landscape of ILD disease in rheumatic diseases
- review the evaluation of rheumatic patients with ILD, and the evaluation for occult rheumatic diseases in those presenting with presumed idiopathic ILD
- outline the management of ILD in patients with rheumatic disease

Genomics for the Clinician

Session Overview:

There is emerging evidence that the rheumatology practice of tomorrow will incorporate genomics to assist the clinician in identifying disease subtypes and deciding appropriate therapeutics. This talk will offer a review of genomics for the clinician. The speaker will describe how this emerging field has already changed our understanding of specific diseases, including rheumatoid arthritis and systemic lupus erythematosus. The future directions of the field will also be reviewed with an emphasis on how this may affect future rheumatology practice.

ACR MUSCULOSKELETAL ULTRASOUND COURSE FOR RHEUMATOLOGISTS – 2-DAY COURSE

Friday, November 14 – Saturday, November 15

8:00 AM – 4:00 PM

Course Overview:

Musculoskeletal ultrasound has been an imaging modality of continuously growing importance over the last 15 years. Of all imaging modalities in rheumatology, ultrasound receives the greatest attention by rheumatologist researchers. More papers on musculoskeletal ultrasound are being published by rheumatologists than by any other specialty.

Trained rheumatologists can agree more readily on ultrasound findings than musculoskeletal radiologists can on magnetic resonance imaging findings, based on available literature. This suggests that operator dependency is less of a concern for rheumatologists, if they are adequately trained. However, such training opportunities continue to be scarce in the United States. This course is designed to help address the need for additional education.

Upon completion of this session, participants should be able to:

- demonstrate proper ultrasound exam technique and procedure guidance applying standardized protocols
- identify and describe normal sonographic anatomy and fundamental pathology for rheumatology indications
- explain the requirements for documentation related to musculoskeletal ultrasound

ACR REVIEW COURSE

Saturday, November 15

8:00 AM – 4:00 PM

Maintenance of Certification (MOC) are not available for this session. To earn MOC points, refer to three designated CARE: MOC sessions under the Clinical Practice track section.

Pregnancy Management and Outcome in Systemic Lupus Erythematosus

Session Overview:

As our patients with lupus live longer and healthier lives, the frequency of pregnancy in women with lupus has been increasing steadily. This review will focus on the issues pertinent to the pregnant patient with lupus. Questions to be addressed include: When should patients consider bearing a child? What are some of the critical clinical issues to address in each trimester? Which drug therapies must be stopped or changed, and which can be continued? What is the risk for antiphospholipid syndrome, and how would it be managed in low-to-medium and high-risk patients?



Upon completion of this session, participants should be able to:

- review how genomics affects the clinician's understanding of specific rheumatic diseases such as rheumatoid arthritis
- discuss the future role of genomics and how it may fit into the rheumatology practice of tomorrow

Management of Salivary Gland Involvement in Sjögren's Syndrome

Session Overview:

Xerostomia is one of the most distressing symptoms of Sjögren's syndrome (SS). Understanding salivary gland anatomy and assessing glandular function can lead to rational symptomatic management for both patient comfort and prevention of dental caries. Patients with primary SS have a high risk of developing B-cell lymphoma, usually of the mucosa-associated lymphoid tissue type. Recognition of prognostic factors is crucial to assessing the development of malignancy and may lead to prompt referral for diagnosis and treatment, which in turn may improve prognosis for these affected patients.

Upon completion of this session, participants should be able to:

- describe salivary gland anatomy and methods to assess function and structure
- recognize symptoms and signs of salivary gland disease and mucosa-associated lymphoid tissue (MALT) lymphoma in Sjögren's syndrome
- recommend management of salivary hypofunction and MALT lymphoma in Sjögren's syndrome

Management of Pseudogout: Insights for Clinicians

Session Overview:

Chondrocalcinosis can be an incidental radiographic finding and is strongly age-associated. Calcium pyrophosphate dihydrate arthropathy occurs as pseudogout (the most common cause of acute monoarthritis in elderly patients) and chronic pyrophosphate arthropathy. Large and medium-sized joints are its principal targets, but the chronic form needs to be differentiated from rheumatoid arthritis or osteoarthritis. Certain presentations warrant screening for rare predisposing metabolic disease. Current management focuses on reducing symptoms.

Upon completion of this session, participants should be able to:

- describe the clinical features of calcium pyrophosphate dihydrate (CPPD) crystal-associated arthropathy
- formulate a diagnostic approach to CPPD arthropathy and screening for predisposing metabolic disease
- manage CPPD arthropathy

Assessing Disease and Managing Large Vessel Vasculitis

Session Overview:

Large vessel vasculitis includes Takayasu arteritis (TA) and giant cell arteritis (GCA). Occurring most commonly in women of childbearing age, the inflammatory granulomatous vasculopathy of TA affects primarily the aorta, its main branches and the pulmonary arteries. Complications include cerebrovascular events, limb claudication, renovascular hypertension and aneurysm formation. Panarteritis of GCA typically involves the external and common carotid, aorta, subclavian and vertebral arteries in older patients. Aortic vessel damage can lead to aneurysms and dissection. Pharmacologic therapy

is expanding. Recognition of flares and vigilant screening for long-term complications are important to decrease mortality.

Upon completion of this session, participants should be able to:

- recognize the presentations of Takayasu arteritis and giant cell arteritis
- describe vascular involvement in large vessel vasculitis
- recommend short- and long-term management of large vessel vasculitis

Rheumatoid Arthritis Therapy After Diagnosis of Malignancy

Session Overview:

Epidemiologic studies confirm a positive association between rheumatoid arthritis (RA) and malignancies. More recently, the focus is on long-term safety of biologic therapy and the incidence of malignancies. The more difficult question is how to treat RA in the settings of ongoing cancer chemotherapy and post-cancer chemotherapy. Communicating the risks and benefits to patients with RA requires an understanding of medication interactions, and the current knowledge of risks and benefits of RA therapy.

Upon completion of this session, participants should be able to:

- discuss interactions of medications used to treat rheumatoid arthritis and malignancy
- discuss the risks and benefits of rheumatoid arthritis treatment in the setting of malignancy
- modify RA treatment in the setting of malignancy

ARHP CLINICAL FOCUS COURSE: DIAGNOSTIC IMAGING USE IN DIFFERENTIAL DIAGNOSIS FOR COMMON RHEUMATIC AND MUSCULOSKELETAL CONDITIONS

Saturday, November 15

8:00 AM – 4:30 PM

Course Overview:

Our evolving healthcare system continues to challenge the ARHP provider with limited healthcare resources and clinical time constraints. Like many health care professionals ARHP require the skills to perform a differential diagnosis quickly in the clinical setting. This workshop will discuss differential diagnosis and the proper utilization of diagnostic imaging to assist the ARHP professional in making the correct diagnostic choice(s). Using diagnostic imaging to assist with diagnosis in rheumatic disease can be a challenge in busy clinical settings. There is often an inconsistency in education and clinical experience related to choosing the appropriate imaging modalities. Plain film, magnetic resonance imaging (MRI) and Ultrasound are commonly used to assist the clinician in making clinical decisions. It is the goal of this workshop to educate ARHP members in selecting the most cost effective and appropriate diagnostic imaging based on the differential diagnosis.

Upon completion of this session, participants should be able to:

- review the concepts of common, patient specific rheumatologic differential diagnosis
- develop basic knowledge of diagnostic imaging focusing on plain film, MRI and ultrasound
- define the role, utilization and limitations of diagnostic imaging in plain film, MRI and ultrasound in the clinical setting
- identify the appropriate imaging modality to apply in the clinical setting



Diagnostic Imaging a Tool for Differential Diagnosis

Outlining the Value of Plain Film

Case Presentations

Outlining the Value of Ultrasound

Case Presentations

Outlining the Value of MRI

Case Presentations

CERTIFIED RHEUMATOLOGY CODING COURSE: DEVELOPING EXPERTS IN RHEUMATOLOGY

Friday, November 14, 2014

9:00 AM – 5:00 PM

Course Overview:

This dynamic hands-on coding workshop teaches rheumatologist and rheumatology coding professionals how to become proficient in the procedural and diagnosis coding system. The time for in-depth coding education is necessary to achieve coding compliance and attain optimal reimbursement while preventing fraud and abuse. In this course, attendees will learn about the history, structure, and format of CPT, ICD-9-CM and ICD-10-CM. Individuals will identify the difference between ICD-10-CM and ICD-9-CM as well as how to apply the new coding hierarchy, conventions and guidelines to rheumatology diagnostic code assignment.

This session is not eligible for CME credit.

Upon completion of this session, participants should be able to:

- exhibit proficiency in adjudicating claims for accurate medical coding for diagnoses, procedures and services in physician-based settings
- display proficiency across a wide range of services, which include evaluation and management, surgical services, radiology, pathology and medicine
- demonstrate knowledge of medical coding rules and regulations including compliance and reimbursement

PRACTICE MANAGEMENT PRE-MEETING COURSE: OFFICE EFFICIENCY

Saturday, November 15, 2014

9:00 AM – 5:00 PM

Course Overview:

Like in any small business, skilled management of a medical practice is often the difference between staggering and thriving. The practice management model was created to solidify the roles of personnel who are responsible for making key business and management decisions. The symbiotic relationship between a physician and a practice manager creates a practice that is fiscally sound and efficient in its operations.

Customer Service That Rocks: Boost Patient Satisfaction

Upon completion of this session, participants should be able to:

- identify steps to achieve outstanding patient satisfaction results and discover reliable methods for dealing with demanding patients
- outline breaking through ordinary communication, outdated work habits and improve overall customer service from check-in to check-out
- discuss specific techniques to implement for over the phone or in person to calm upset patients

Improve Time-of-Service Collections From the Front-End

Upon completion of this session, participants should be able to:

- discuss why it is important to move from a back-end collections strategy to a front-end strategy
- identify all that should be collected at the time of service and the difference it will make in collections (e.g., co-insurance, copay, self-pay)
- define the practice collection process and what it means to the practice bottom line
- identify tactics, tools and technologies to optimize collections from self-pay patients and reduce days in accounts receivable

Managing Denials in a Complex Reimbursement Environment

Upon completion of this session, participants should be able to:

- identify how to set up a tracking mechanism to collect data on denials
- improve front and back office processes to prevent future denials
- determine root causes, patterns and process breakdowns responsible for denials and establishing corrective steps can reduce the volume of denied claims and write-offs

Ins and Out of an Effective Compliance Plan

Upon completion of this session, participants should be able to:

- discuss how to structure an “effective” anti-corruption compliance program.
- identify the vital elements of an effective compliance program
- discuss the role of a compliance office in fighting fraud and implementing a compliance program

Increase Team Performance and Productivity

Upon completion of this session, participants should be able to:

- discuss how to reduce staff conflict and build a team with a common purpose and shared vision
- identify the elements of building a high performance team
- discuss the key principles of team dynamics such as balance, conflict management, and team alignment to provide practical insight into productivity and team success

Take Your Appeals to the Next Level

Upon completion of this session, participants should be able to:

- identify how to customize appeal letters for Level II appeals – ensure that no higher level appeals are rejected
- identify the steps to appeal for all carriers, which forms to use, and proven strategies for successful appeals
- discuss how to craft effective appeals letters and get your claims paid

MEETING-AT-A-GLANCE

BY TRACK



TRACK ONE

B Basic Science

PRE-MEETING COURSES

Pre-meeting courses require a separate registration fee.

FRIDAY, NOVEMBER 14

1:00 – 6:00 PM	ACR Basic Research Conference: Emerging Perspectives on the Microbiome in the Rheumatic Diseases – Day 1 of 2
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SATURDAY, NOVEMBER 15

8:00 AM – 4:30 PM	ACR Basic Research Conference: Emerging Perspectives on the Microbiome in the Rheumatic Diseases – Day 1 of 2
9:00 AM – Noon	AAMC Medical Education Research Certificate (MERC) Workshop: Formulating Research Questions and Designing Studies <i>This workshop is not eligible for CME credit.</i>
1:00 – 4:00 PM	AAMC Medical Education Research Certificate (MERC) Workshop: Measuring Educational Outcomes with Reliability and Validity <i>This workshop is not eligible for CME credit.</i>

SCIENTIFIC SESSIONS

SUNDAY, NOVEMBER 16

7:30 – 8:30 AM	Age Before Beauty; Colchicine, Aspirin, Methotrexate and Their Mechanisms of Action
8:30 – 10:00 AM	The Microbiome in Health and Disease
8:30 AM – 4:00 PM	ACR Poster Session A and Poster Tours <i>Although there is no fee to participate in guided poster tours, pre-registration is required.</i> 9:00 – 11:00 AM Poster Presentations 9:00 – 9:45 AM and 10:15 – 11:00 AM Guided Poster Tours
9:00 – 10:00 AM	Immunology Update: New Immunology of the Spondyloarthropathies

SUNDAY, NOVEMBER 16 (continued)

10:00 AM – 5:00 PM	Exhibits <i>Exhibits and Innovation Theater are not eligible for CME credit.</i> 10:30 – 11:15 AM, 12:30 – 1:15 PM and 2:30 – 3:15 PM Innovation Theater
11:00 AM – NOON	Bone Biology
11:00 AM – 12:30 PM	ACR Plenary Session I: Discovery 2014
1:00 – 2:00 PM	How the Gut Primes the Immune System
2:30 – 4:00 PM	Autoimmunity in Immunodeficiency ACR and ARHP Concurrent Abstract Sessions
4:30 – 6:00 PM	Therapeutic Targeting of the Innate Immune System ACR and ARHP Concurrent Abstract Sessions

MONDAY, NOVEMBER 17

7:30 – 8:30 AM	Meniscus Biology in Osteoarthritis <i>Rheumatology Research Foundation Paul Klemperer, MD Memorial Lectureship</i>
8:30 – 10:00 AM	Systems Biology of Lupus Nephritis
8:30 AM – 4:00 PM	ACR/ARHP Poster Session B and Poster Tours <i>Although there is no fee to participate in guided poster tours, pre-registration is required.</i> 9:00 – 11:00 AM Poster Presentations 9:00 – 9:45 AM and 10:15 – 11:00 AM Guided Poster Tours
9:00 – 10:00 AM	Functional Genomics of Rheumatoid Arthritis: From Genes to Function to Therapy
10:00 AM – 5:00 PM	Exhibits <i>Exhibits and Innovation Theater are not eligible for CME credit.</i> 10:30 – 11:15 AM, 12:30 – 1:15 PM and 2:30 – 3:15 PM Innovation Theater

**MONDAY, NOVEMBER 17** *(continued)*

11:00 AM – NOON	Immunology Update: Innate Lymphoid Cells
11:00 AM – 12:30 PM	ACR Plenary Session II: Discovery 2014
1:00 – 2:00 PM	Telomeres, Telomerase and the Aging Immune System
2:30 – 4:00 PM	Insight Into Lung Fibrosis ACR and ARHP Concurrent Abstract Sessions
4:30 – 6:00 PM	The Role of Bone in the Pathogenesis of Osteoarthritis ACR and ARHP Concurrent Abstract Sessions

TUESDAY, NOVEMBER 18

7:30 – 8:30 AM	Glycosylation and Glycan Binding Proteins in Immune Function
8:30 – 10:00 AM	Bioenergetics and Energy Regulation
8:30 AM – 4:00 PM	ACR/ARHP Poster Session C and Poster Tours <i>Although there is no fee to participate in guided poster tours, pre-registration is required.</i> 9:00 – 11:00 AM Poster Presentations 9:00 – 9:45 AM and 10:15 – 11:00 AM Guided Poster Tours
9:00 – 10:00 AM	Metainflammation <i>Rheumatology Research Foundation Oscar S. Gluck, MD Memorial Lectureship: Emerging Therapies in Bone Diseases: Cellular Basis and Challenges</i>
10:00 AM – 2:30 PM	Exhibits <i>Exhibits and Innovation Theater are not eligible for CME credit.</i> 10:30 – 11:15 AM and 12:30 – 1:15 PM Innovation Theater
11:00 AM – Noon	Mesenchymal Stem Cells — Biology and Use in Rheumatic Diseases
11:00 AM – 12:30 PM	ACR/ARHP Plenary Session III: Discovery 2014
1:00 – 2:00 PM	New Regulatory T cells

TUESDAY, NOVEMBER 18 *(continued)*

2:30 – 4:00 PM	Novel Regulatory Cell Subsets ACR Late-breaking Abstract Session ACR and ARHP Concurrent Abstract Sessions
4:30 – 6:00 PM	Autophagy in Rheumatic Diseases ACR and ARHP Concurrent Abstract Sessions
WEDNESDAY, NOVEMBER 19	
7:30 – 8:30 AM	Co-stimulation Pathways: Therapeutic Opportunities for the Rheumatic Diseases
9:00 – 10:30 AM	Nothing About Us Without Us: Engaging Patients in Rheumatology Research Complement in Rheumatic Disease ACR and ARHP Concurrent Abstract Sessions
11:00 AM – 12:30 PM	Advances in Molecular Profiling and Relevance to Autoimmune Disease ACR and ARHP Concurrent Abstract Sessions

TRACK TWO **Business/Administration****PRE-MEETING COURSES***Pre-meeting courses require a separate registration fee.***FRIDAY, NOVEMBER 14**

9:00 AM – 5:00 PM	Certified Rheumatology Coding Course <i>This course is not eligible for CME credit.</i>
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SATURDAY, NOVEMBER 15

8:00 AM – 4:00 PM	Practice Management Pre-meeting Course: Office Efficiency
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SCIENTIFIC SESSIONS**SUNDAY, NOVEMBER 16**

8:30 – 10:00 AM	Ethics and Rheumatology Practice Issues: Healthcare Bounty Hunters: A Closer Look at Recovery Audit Contractors, Audits and Medical Documentation
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Business/Administration (continued)

SUNDAY, NOVEMBER 16 (continued)

9:00 – 10:00 AM	Legislative Update Social Media Boot Camp: Twitter Basics
11:00 AM – Noon	Affordable Care Act
1:00 – 2:00 PM	Practice Regulations: Life After Implementation: An ICD-10 Case Study
2:30 – 4:00 PM	Google Minefield: Empowering Patients to Evaluate Online Resources Practice Regulations: Improve Quality and Efficiency
4:30 – 6:00 PM	Practice Regulations: Navigate HIPAA and Prevent Audits

MONDAY, NOVEMBER 17

8:30 – 10:00 AM	Practice Issues: Practice Success in an Environment of Transition
9:00 – 10:00 AM	Advocacy: Meet the Expert Social Media Boot Camp: Blogging for Beginners

TUESDAY, NOVEMBER 18

11:00 AM – Noon	Providing Evidence for Mid-Level Providers in Rheumatology Practice
1:30 – 2:00 PM	ACR Business Meeting <i>This session is not eligible for CME credit.</i>

TRACK THREE

Clinical Practice

PRE-MEETING COURSES

Pre-meeting courses require a separate registration fee.

FRIDAY, NOVEMBER 14

1:00 – 6:00 PM	ACR/ABIM Maintenance of Certification Learning Session <i>This session is not eligible for CME credit.</i>
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SATURDAY, NOVEMBER 15

8:00 AM – 4:30 PM	ARHP Clinical Focus Course: Diagnostic Imaging Use in Differential Diagnosis for Common Rheumatic and Musculoskeletal Conditions
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SCIENTIFIC SESSIONS

SATURDAY, NOVEMBER 15

4:30 – 6:15 PM	Opening Lecture and Awards Opening Lecture: P4 Medicine Is Transforming Healthcare: A Longitudinal, Framingham-like Study of 100,000 Well Patients Over 20 to 25 Years Lecturer: Leroy Hood, MD, PhD
6:15 – 9:00 PM	Opening Reception Join us in the Grand Ballroom after the Opening Lecture as we toast the opening of the 2014 ACR/ARHP Annual Meeting and salute you, our guests on Saturday, November 15.

SUNDAY, NOVEMBER 16

7:15 – 8:15 AM	Pediatric Rheumatology Town Hall <i>This session is not eligible for CME credit.</i> Year in Review
7:45 – 9:15 AM	ACR Meet the Professor Sessions <i>For more information see the Meet the Professor Listing on page 19.</i>
7:45 – 9:45 AM	ACR/ARHP Workshops <i>For more information see the Workshop Listing on page 21.</i>
8:30 – 10:00 AM	CARE: Maintenance of Certification Session 1 of 3 Osteoporosis: Current Concepts for the Clinician
9:00 – 10:00 AM	ARHP Keynote Address: Happiness From the Inside Out
10:00 AM – 5:00 PM	Exhibits <i>Exhibits and Innovation Theater are not eligible for CME credit.</i> 10:30 – 11:15 AM, 12:30 – 1:15 PM and 2:30 – 3:15 PM Innovation Theater
10:30 AM – 12:30 PM	ACR/ARHP Workshops <i>For more information see the Workshop Listing on page 21.</i>
12:30 – 2:15 PM	ACR Meet the Professor Sessions <i>For more information see the Meet the Professor Listing on page 19.</i>



Practice Management



Session designed for health professionals



Clinical Practice (continued)

SUNDAY, NOVEMBER 16 (continued)

1:00 – 2:00 PM	Avoiding Electronic Health Record Errors and Their (Sometimes) Critical Consequences Axial Spondyloarthritis Guidelines Gout Management in 2014 The Butterfly Effect: Lupus Rashes and Their Mimics
1:15 – 3:15 PM	ACR/ARHP Workshops <i>For more information see the Workshop Listing on page 21.</i>
2:30 – 4:00 PM	New Frontiers in Osteoarthritis treatment: The Role of Weight Loss, Surgery and Current Treatment Guidelines Sports Medicine for the Rheumatology Provider The Patient Perspective
4:00 – 6:00 PM	ACR/ARHP Workshops <i>For more information see the Workshop Listing on page 21.</i>
4:30 – 6:00 PM	Thieves' Market: Show Me Your Best Cases Current Trends in Self-Management and Rheumatologic Care: mHealth, eHealth, Digital Technology and Emerging Ethical Considerations Multidisciplinary Management of Scleroderma Say What?: Implications of Adolescent Development and Behavior in Communicating With Healthcare Providers ACR Meet the Professor Sessions <i>For more information see the Meet the Professor Listing on page 19.</i>

MONDAY, NOVEMBER 17

7:30 – 8:30 AM	Update on Findings from Large Registries: Emphasis on Health Disparities in Rheumatic Arthritis
8:30 – 10:00 AM	CARE: Maintenance of Certification Session 2 of 3 Hot Topics in Rheumatoid Arthritis: Comparative Effectiveness and Harms of Biologics and Management of DMARDs and Biologics in the Perioperative Period The ACR Gout Management Guidelines: Have They Gotten Us to Where We Want to Go?

MONDAY, NOVEMBER 17 (continued)

9:00 – 10:00 AM	Prosthetic Device Infections or Infection as a Threat to the Bionic Man
10:00 AM – 5:00 PM	Exhibits <i>Exhibits and Innovation Theater are not eligible for CME credit.</i> 10:30 – 11:15 AM, 12:30 – 1:15 PM and 2:30 – 3:15 PM Innovation Theater
11:00 AM – NOON	Evidence of the Benefits and Risks of Cannabis and Cannabinoids for Treating Chronic Pain
1:00 – 2:00 PM	Neonatal Lupus: From Bench to Bedside Rheumatology on the Street
2:30 – 4:00 PM	Clinical Challenges in Sjögren's Syndrome: Neurological Complications and Lymphoma Risk Curbside Consults – Ask the Experts Practical Use of Registries A Call to Arms for Researchers! An Interactive Session to Obtain Feedback on Your Specific Aims Section Alternative Medicine: Presenting the Evidence for Rheumatic Conditions Biomarkers in Rheumatic Care Thriving With Rheumatic Disease: Cultivating Resilience
4:00 – 6:00 PM	ACR/ARHP Workshops <i>For more information see the Workshop Listing on page 21.</i>
4:30 – 5:30 PM	Clinicopathologic Conference
4:30 – 6:00 PM	Career Opportunities in Rheumatology: Making a Choice Treating Pain Doesn't Have to be a Pain: Practical Approaches to Pain Management Best Practice of Total Knee Arthroplasty – From Surgery to Rehabilitation From Inflammation to Atherosclerosis: The Case of Inflammatory Rheumatic Diseases The Emerging Demand for Medicinal Cannabis by Young Adults and Beyond



Clinical Practice (continued)

TUESDAY, NOVEMBER 18	
7:30 – 8:30 AM	ARHP Clinical Features of Central Nervous System Lupus and Diagnosis of Cognitive Deficits and Psychiatric Disorders
8:30 – 10:00 AM	CARE: Maintenance of Certification Session 3 of 3 Myositis Mimics: Clinical and Molecular Diagnosis
9:00 – 10:00 AM	ACR-EULAR Polymyalgia Rheumatica Guidelines
9:00 – 10:00 AM	ARHP Mycobacterium Infections in Immunocompromised Patients
10:00 AM – 2:30 PM	Exhibits <i>Exhibits and Innovation Theater are not eligible for CME credit.</i> 10:30 – 11:15 AM and 12:30 – 1:15 PM Innovation Theater
1:00 – 2:00 PM	Uncovering the Role of Connective Tissues in Chronic Low Back Pain: From Bedside to Bench to Bedside ARHP Etiology and Management of Peripheral Neuropathy in Patients With Rheumatic Disease ARHP Pharmacotherapy: What's New in Rheumatology
2:30 – 4:00 PM	ARHP Brief Action Planning: A Motivational Interviewing Technique to Enhance Patient Self-management and Improve Outcomes ARHP Osteoporosis: Emerging Treatments Both Pharmacological and Non-pharmacological ARHP The Psychosocial Impact and Treatment Options for Patients With Neuropsychiatric Lupus and their Caregivers ARHP Treatment Considerations in Chronic Pain

TUESDAY, NOVEMBER 18 (continued)	
4:30 – 6:00 PM	ACR Meet the Professor Sessions <i>For more information see the Meet the Professor Listing on page 19.</i> Beyond analgesics: State of the Evidence for Nutrition, Vitamins and Exercise Prescriptions in Osteoarthritis Management Update on Safety Issues in the Treatment of Rheumatic Diseases – From the FDA and Beyond ARHP Multidisciplinary Management of the Juvenile Idiopathic Arthritis Patient ARHP Patient Reported Outcomes Data for Comparative Effectiveness Research in Arthritis Care ARHP State of the Art Interventional Recommendations for Chronic Low Back Pain ARHP Successful Aging in Rheumatic Disease

WEDNESDAY, NOVEMBER 19	
7:30 – 8:30 AM	ARHP Physical and Occupational Therapy for Juvenile Dermatomyositis: Treatment Planning and Case Presentations
9:00 – 10:30 AM	Moving Towards Personalized Medicine for Systemic Lupus Erythematosus Management: From Bench to Bedside ARHP Exercise Adherence in Arthritis: The Role of Technology
11:00 AM – 12:30 PM	ARHP Work and Worker Health: Easy Accommodations Keep People Arthritis Employed

TRACK FOUR

Clinical Science

PRE-MEETING COURSES

Pre-meeting courses require a separate registration fee.

FRIDAY, NOVEMBER 14	
1:00 – 6:00 PM	ACR Clinical Research Conference: Patient-Centered Outcomes in Rheumatology – Day 1 of 2



The ACR/ARHP Annual Scientific Meeting is the premier educational event for physicians, health professionals and scientists, who treat those with or at risk for arthritis and rheumatic and musculoskeletal diseases.



Clinical Science (continued)

SATURDAY, NOVEMBER 15

7:45 AM – 4:30 PM	ACR Clinical Research Conference: Patient-Centered Outcomes in Rheumatology – Day 2 of 2
8:00 AM – 4:00 PM	ACR Review Course

SCIENTIFIC SESSIONS

SUNDAY, NOVEMBER 16

8:30 – 10:00 AM	Current Understanding of Malignancies in Connective Tissue Diseases Informative and Critical Peer Review for the ACR Journals: A Guide to Providing Excellent Peer Review of Manuscripts When Pills Are Not Enough: Multidisciplinary Approaches to Pediatric Pain and Hypermobility
8:30 AM – 4:00 PM	ACR Poster Session A and Poster Tours <i>Although there is no fee to participate in guided poster tours, pre-registration is required.</i> 9:00 – 11:00 AM Poster Presentations 9:00 – 9:45 AM and 10:15 – 11:00 AM Guided Poster Tours
9:00 – 10:00 AM	Sarcoidosis 2014
10:00 AM – 5:00 PM	Exhibits <i>Exhibits and Innovation Theater are not eligible for CME credit.</i> 10:30 – 11:15 AM, 12:30 – 1:15 PM and 2:30 – 3:15 PM Innovation Theater
11:00 AM – NOON	New ACR Recommendations for the Management of Rheumatoid Arthritis Immunology Boot Camp Session I: The Basics of Targeted Therapies What Can Brain Imaging Tell Us About Pharmacologic and Non-pharmacologic Treatment of Chronic Pain?
11:00 AM – 12:30 PM	ACR Plenary Session I: Discovery 2014

SUNDAY, NOVEMBER 16 (continued)

12:45 – 2:15 PM	ACR Knowledge Bowl: Preliminary Round
1:00 – 2:00 PM	<i>Rheumatology Research Foundation</i> Memorial Lectureship to Honor Stephen E. Malawista, MD: Innate Immunity at the Core of Rheumatic Disease
2:30 – 4:00 PM	Medical Education: The Year in Review The Great Debate: Belimumab for the Treatment of Systemic Lupus Erythematosus ACR Late-breaking Abstract Session ACR and ARHP Concurrent Abstract Sessions
4:30 – 6:00 PM	ACR and ARHP Concurrent Abstract Sessions

MONDAY, NOVEMBER 17

7:30 – 8:30 AM	Cultivating the Competent Medical Educator: A Growing Concern Stats Boot Camp: The Effect Size: What Is It and How Can You Use It? What Are Biosimilars?
8:30 – 10:00 AM	Juvenile Dermatomyositis: Clinical, Pathogenic and Therapeutic State of the Art Strategies for Academic Success: The Roadmap From Mentee to Mentor
8:30 AM – 4:00 PM	ACR/ARHP Poster Session B and Poster Tours <i>Although there is no fee to participate in guided poster tours, pre-registration is required.</i> 9:00 – 11:00 AM Poster Presentations 9:00 – 9:45 AM and 10:15 – 11:00 AM Guided Poster Tours
9:00 – 10:00 AM	Maintaining Health and Well-Being Despite Living With a Rheumatic Disease
10:00 AM – 5:00 PM	Exhibits <i>Exhibits and Innovation Theater are not eligible for CME credit.</i> 10:30 – 11:15 AM, 12:30 – 1:15 PM and 2:30 – 3:15 PM Innovation Theater



Clinical Science (continued)

MONDAY, NOVEMBER 17 (continued)

11:00 AM – NOON	ACR Knowledge Bowl: Final Round Classification Criteria for Myositis Immunology II: The Basics of Autoimmunity and Immunodeficiency Stats Boot Camp: Statistical Analysis of Ordinal Data
11:00 AM – 12:30 PM	ACR/ARHP Plenary Session II: Discovery 2014
2:30 – 4:00 PM	ACR and ARHP Concurrent Abstract Sessions
4:30 – 6:00 PM	Fibrotic Complications of the Scleroderma Role of Nutrition in Rheumatic Diseases ACR and ARHP Concurrent Abstract Sessions

TUESDAY, NOVEMBER 18

7:30 – 8:30 AM	Direct Observation of Clinical Skills: Educationally Indicated, Therapeutically Required Hepatitis C in 2014 Muscle and Adipose Tissue in Rheumatic Diseases “Location is Everything”
8:30 – 10:00 AM	Macrophages Gone Wild <i>Rheumatology Research Foundation: Disease Targeted Research</i> Risk and Risk Management of Cardiovascular Disease in Patients With Rheumatoid Arthritis and Other Systemic Rheumatic Diseases
8:30 AM – 4:00 PM	ACR/ARHP Poster Session C and Poster Tours <i>Although there is no fee to participate in guided poster tours, pre-registration is required.</i> 9:00 – 11:00 AM Poster Presentations 9:00 – 9:45 AM and 10:15 – 11:00 AM Guided Poster Tours
9:00 – 10:00 AM	RheumChat The Prevalence Ratio as an Alternative to the Odds Ratio for Cross-sectional Studies

TUESDAY, NOVEMBER 18 (continued)

10:00 AM – 2:30 PM	Exhibits <i>Exhibits and Innovation Theater are not eligible for CME credit.</i> 10:30 – 11:15 AM and 12:30 – 1:15 PM Innovation Theater
11:00 AM – NOON	Protecting Bone Health in Pediatric Rheumatic Diseases Ethical Pitfalls in Clinical Research in the Age of Emerging Technology Immunology Bootcamp III: Applying Principles of Immunology to Treatment Decisions
11:00 AM – 12:30 PM	ACR Plenary Session III: Discovery 2014
1:00 – 2:00 PM	Clinical Issues Associated With the Use of Methotrexate Hench Lecture: Why Steroids Work in Some Inflammatory Diseases But Not in Others Patient Access to Biologics Across the Globe
2:30 – 4:00 PM	Psoriatic Arthritis: Skin, Entheses and Joints <i>Rheumatology Research Foundation: Innovative Educators, Novel Techniques</i> ACR and ARHP Concurrent Abstract Sessions
4:30 – 6:00 PM	Forefronts in Lupus Nephritis ACR and ARHP Concurrent Abstract Sessions

WEDNESDAY, NOVEMBER 19

7:30 – 8:30 AM	Rheumatology Roundup Rheumatic Manifestations of Malignancy
9:00 – 10:30 AM	Primary Angiitis of the Central Nervous System and Its Mimics ACR and ARHP Concurrent Abstract Sessions
11:00 AM – 12:30 PM	Inflammation and Atherothrombosis Nonradiographic Axial Spondyloarthritis: The Controversy of Diagnosis and Optimal Treatment ACR and ARHP Concurrent Abstract Sessions

MEET THE PROFESSOR AND WORKSHOP SESSIONS



Meet the Professor and Workshop sessions require a separate registration fee.

MEET THE PROFESSOR LISTING

Adult Inflammatory Myopathy

Robert L. Wortmann, MD
Mon., 12:45 - 2:15 PM (041)
Tues., 4:30 - 6:00 PM (081)

Ankylosing Spondylitis: 2014 Update

Lianne S. Gensler, MD
Sun., 12:45 - 2:15 PM (011)
Mon., 7:45 - 9:15 AM (031)

Ankylosing Spondylitis: Disease Modification

Joachim Sieper, MD
Sun., 12:45 - 2:15 PM (012)

Antiphospholipid Syndrome

Doruk Erkan, MD
Mon., 4:30 - 6:00 PM (051)
Tues., 12:45 - 2:15 PM (071)

Antiphospholipid Syndrome

Alana B. Levine, MD
Tues., 7:45 - 9:15 AM (061)

Basic Immunology for Clinical Rheumatologists

John Atkinson, MD
Sun., 7:45 - 9:15 AM (001)
Mon., 7:45 - 9:15 AM (032)

Behçet's Disease

Yusuf Yazici, MD
Mon., 4:30 - 6:00 PM (052)
Tues., 4:30 - 6:00 PM (082)

Calcium Crystal Arthritis

Ann K. Rosenthal, MD
Tues., 4:30 - 6:00 PM (083)

Challenging Cases in Osteoporosis Management

Kenneth G. Saag, MD, MSc
Tues., 12:45 - 2:15 PM (072)

Controversies in Sjögren's Syndrome

Frederick Vinino, MD
Mon., 7:45 - 9:15 AM (033)
Tues., 7:45 - 9:15 AM (062)

Crystal: Diagnosis and Management of Gout

Theodore R. Fields, MD
Sun., 7:45 - 9:15 AM (002)

Crystal: Diagnosis and Management of Gout

Saima Chohan, MD
Sun., 4:30 - 6:00 PM (021)

Crystal: Diagnosis and Management of Gout

John S. Sundry, MD, PhD
Tues., 12:45 - 2:15 PM (073)

Cutaneous Vasculitis

Ruth Ann Vleugels, MD, MPH
Sun., 7:45 - 9:15 AM (003)

Dermatological Manifestations of Rheumatic Diseases

Ruth Ann Vleugels, MD, MPH
Sun., 12:45 - 2:15 PM (013)
Mon., 7:45 - 9:15 AM (034)

Fibromyalgia 2014: Update on Management

Daniel J. Clauw, MD
Sun., 7:45 - 9:15 AM (004)

Footwear in Orthoarthritis

Najia Shakoor, MD
Tues., 7:45 - 9:15 AM (063)

Hereditary Angioedema Update

Peter Deane, MD
Sun., 12:45 - 2:15 PM (014)

Immunodeficiency Syndromes

Troy R. Torgerson, MD, PhD
Mon., 4:30 - 6:00 PM (053)

Infections With Biologics

Kathryn H. Dao, MD
Sun., 4:30 - 6:00 PM (022)
Mon., 4:30 - 6:00 PM (054)

Inflammatory Eye Disease/Uveitis

Sergio Schwartzman, MD
Sun., 4:30 - 6:00 PM (023)

Juvenile Dermatomyositis

Susan Kim, MD, MPH
Tues., 4:30 - 6:00 PM (084)

Macrophage Activation Syndrome

Alexei A. Grom, MD
Sun., 7:45 - 9:15 AM (005)

Myopathy: Issues in Diagnosis and Treatment

Rohit Aggarwal, MD, MS
Mon., 4:30 - 6:00 PM (055)
Tues., 4:30 - 6:00 PM (085)

Nonsurgical Treatments for Osteoarthritis

David T. Felson, MD, MPH
Tues., 12:45 - 2:15 PM (074)

Osteoarthritis: Update 2014

Joanne M. Jordan, MD, MPH
Mon., 7:45 - 9:15 AM (035)
Tues., 12:45 - 2:15 PM (075)

Osteoporosis: Novel Treatments

Linda Russell, MD
Tues., 7:45 - 9:15 AM (064)

Pain: Evaluation and Treatment of Back Pain

Rajiv Dixit, MD
Sun., 7:45 - 9:15 AM (006)

Pediatric Rheumatology for Adult Rheumatologists

Daniel Lovell, MD, MPH
Mon., 12:45 - 2:15 PM (042)

Pediatric Systemic Lupus Erythematosus

Kelly A. Rouster-Stevens, MD, MSc
Sun., 12:45 - 2:15 PM (015)

Pediatrics: Difficult to Treat Juvenile Idiopathic Arthritis

Thomas J. A. Lehman, MD
Sun., 4:30 - 6:00 PM (024)

Pediatrics: Periodic Fevers in Children

Daniel L. Kastner, MD, PhD
Tues., 7:45 - 9:15 AM (065)

Polymyalgia Rheumatica

Antoine G. Sreih, MD
Sun., 4:30 - 6:00 PM (025)

Pregnancy and Rheumatic Diseases

Eliza Chakravarty, MD
Mon., 7:45 - 9:15 AM (036)
Tues., 4:30 - 6:00 PM (086)

Meet the Professor Listings (continued)

Psoriatic Arthritis

Dafna D. Gladman, MD
Sun., 7:45 - 9:15 AM (007)
Mon., 12:45 - 2:15 PM (043)

Psoriatic Arthritis

Philip Mease, MD
Tues., 12:45 - 2:15 PM (076)

Pulmonary Hypertension in the Rheumatic Diseases

James R. Seibold, MD
Sun., 4:30 - 6:00 PM (026)

Pulmonary Manifestations of Rheumatic Disease

Aryeh Fischer, MD
Mon., 4:30 - 6:00 PM (056)
Tues., 4:30 - 6:00 PM (087)

Raynaud's and Digital Ischemia

Fredrick M. Wigley, MD
Mon., 4:30 - 6:00 PM (057)
Tues., 4:30 - 6:00 PM (088)

Reactive Arthritis: An Update

John D. Reveille, MD
Sun., 7:45 - 9:15 AM (008)
Mon., 7:45 - 9:15 AM (037)

Rheumatoid Arthritis: Biological Agents

Edward C. Keystone, MD
Sun., 12:45 - 2:15 PM (016)
Mon., 12:45 - 2:15 PM (044)

Rheumatoid Arthritis: Biological Agents

Josef Smolen, MD
Sun., 4:30 - 6:00 PM (027)

Rheumatoid Arthritis: Challenging Cases

Daniel Furst, MD, MPH
Sun., 7:45 - 9:15 AM (009)
Mon., 7:45 - 9:15 AM (038)

Rheumatoid Arthritis: Challenging Cases

Stephen A. Paget, MD
Mon., 12:45 - 2:15 PM (045)
Tues., 4:30 - 6:00 PM (089)

Rheumatoid Arthritis: Outcome Measures in Clinical Practice

J. Timothy Harrington, MD
Tues., 7:45 - 9:15 AM (066)

Rheumatology Practice 101: Starting Out in Practice for the Graduating Fellow

Alexandru F. Kimel, MD
Sun., 4:30 - 6:00 PM (028)

Safety of Drugs Used to Treat Rheumatoid Arthritis

Lee S. Simon, MD
Mon., 4:30 - 6:00 PM (058)
Tues., 7:45 - 9:15 AM (067)

Scleroderma Mimics

Faye N. Hant, DO, MSCR
Mon., 12:45 - 2:15 PM (046)

Spondylarthropathy: An Update

Robert Inman,
Tues., 12:45 - 2:15 PM (078)

Still's Disease and Autoinflammatory Syndromes

John J. Cush, MD
Mon., 12:45 - 2:15 PM (047)

Systemic Lupus Erythematosus: Central Nervous System

Cynthia Aranow, MD
Mon., 12:45 - 2:15 PM (048)

Systemic Lupus Erythematosus: Central Nervous System

Meggan Mackey, MD, MS
Tues., 7:45 - 9:15 AM (068)

Systemic Lupus Erythematosus: Difficult to Treat Systemic Lupus Erythematosus

Maria Dall'era, MD
Sun., 7:45 - 9:15 AM (010)
Mon., 7:45 - 9:15 AM (039)

Systemic Lupus Erythematosus: Lupus Nephritis

Brad H. Rovin, MD
Mon., 4:30 - 6:00 PM (059)
Tues., 12:45 - 2:15 PM (079)

Systemic Lupus Erythematosus: Novel Treatments

Susan Manzi, MD, MPH
Sun., 12:45 - 2:15 PM (017)

Systemic Lupus Erythematosus: Novel Treatments

Liz Lightstone, MD, PhD
Sun., 4:30 - 6:00 PM (029)

Systemic Sclerosis: Disease Staging and Subsetting in Clinical Practice

Robyn T. Domsic, MD, MPH
Mon., 12:45 - 2:15 PM (049)
Tues., 7:45 - 9:15 AM (069)

Temporal Arteritis

Robert F. Spiera, MD
Tues., 12:45 - 2:15 PM (079)
Tues., 4:30 - 6:00 PM (090)

Understanding of Approach to the Care of Patients With Vasculitis

Gary S. Hoffman, MD, MS
Mon., 4:30 - 6:00 PM (060)
Tues., 7:45 - 9:15 AM (070)

Vaccinations for Patients on Biologic Therapies

Jeffrey R. Curtis, MD, MPH, MS
Sun., 12:45 - 2:15 PM (018)

Vaccinations for Patients on Biologic Therapies

Kevin L. Winthrop, MD, MPH
Tues., 12:45 - 2:15 PM (080)

Vasculitis Mimics

Peter A. Merkel, MD, MPH
Mon., 12:45 - 2:15 PM (050)

Vasculitis: Update

Raashid A. Luqmani, DM
Sun., 12:45 - 2:15 PM (019)
Mon., 7:45 - 9:15 AM (040)

Vitamin D and Bone Health

Nancy E. Lane, MD
Sun., 4:30 - 6:00 PM (030)

What is Not Central Nervous Angiitis: Making the Right Diagnosis

Leonard H. Calabrese, DO
Sun., 12:45 - 2:15 PM (020)

WORKSHOP LISTING

Advanced Musculoskeletal Ultrasound

Jay B. Higgs, MD
Sun., 1:15 - 3:15 PM (208)
Mon., 7:45 - 9:45 AM (214)

Advanced Musculoskeletal Ultrasound: Image Optimization and Pathology Recognition

Jay B. Higgs, MD
Tues., 7:45 - 9:45 AM (229)

Basic Statistical Concepts for the Medical Researcher

Dorothy D. Dunlop, PhD and
Jungwha Lee, PhD, MPH
Tues., 7:45 - 9:45 AM (230)

Beyond Musculoskeletal Ultrasound for Rheumatologists

Mina Kohler, MD
Sun., 10:30 AM - 12:30 PM (204)

Clinical Anatomy and Physical Exam: Essential Tools in Lower Extremity Regional Pain Syndromes

Robert A. Kalish, MD and
Pablo Villaseñor Ovies, MD
Sun., 1:15 - 3:15 PM (209)

Clinical Anatomy and Physical Exam: Essential Tools in Upper Extremity Regional Pain Syndromes

Robert A. Kalish, MD and
Pablo Villaseñor Ovies, MD
Sun., 10:30 AM - 12:30 PM (205)

Complementary and Alternative Therapies in Rheumatic Disease

Don Marcus, MD
Mon., 7:45 - 9:45 AM (215)

Dermatopathology of Rheumatic Diseases

Daniel Miller, MD
Mon., 4:00 - 6:00 PM (225)
Tues., 1:15 - 3:15 PM (236)

Getting Electronic Health Records Right

Salahuddin Kazi, MD
Tues., 4:00 - 6:00 PM (240)

Histopathology of Rheumatic Lung Disease

Allen Burke, MD and
Fabio Tavora, MD
Sun., 10:30 AM - 12:30 PM (206)

Histopathology of Vasculitis

Allen Burke, MD and
Fabio Tavora, MD
Mon., 10:30 AM - 12:30 PM (218)

Joint Injection Techniques

Atul A. Deodhar, MD and
Kenneth S. O'Rourke, MD
Sun., 7:45 - 9:45 AM (201)
Mon., 1:15 - 3:15 PM (222)

Joint Injections (Knee, Ankle, Shoulder and Wrist)

Speaker TBD and
Kenneth R. Margules, MD
Mon., 4:00 - 6:00 PM (226)
Tues., 7:45 - 9:45 AM (231)

Knee Braces, Foot Orthoses, and Shoe Gear for Managing Knee Osteoarthritis

Howard J. Hillstrom, PhD and
Kelly D. Krohn, MD
Mon., 10:30 AM - 12:30 PM (219)

Magnetic Resonance Imaging in the Diagnosis and Management of Spondyloarthritis: A Clinician's Guide

Walter P. Maksymowych, MD
Sun., 4:00 - 6:00 PM (210)
Mon., 1:15 - 3:15 PM (223)

Magnetic Resonance Imaging of Peripheral Joints in Rheumatology Practice

Philip G. Conaghan, MD, PhD and
Mikkel Ostergaard, DMSc, MD, PhD
Tues., 7:45 - 9:45 AM (232)
Tues., 1:15 - 3:15 PM (237)

MDHAQ/RAPID3 and RHEUMDOC: Quantitative, Standard, Scientific Summaries of Patient History and Physical Exam Toward Better Clinical Decisions and Outcomes

Theodore Pincus, MD
Mon., 4:00 - 6:00 PM (227)

Muscle Involvement in Rheumatic Diseases

Sakir Humayun Gultekin, MD
Sun., 4:00 - 6:00 PM (211)

Musculoskeletal Ultrasonography: Basic

Janak R. Goyal, MD and
Gurjit S. Kaeley, MBBS, MRCP
Mon., 4:00 - 6:00 PM (228)
Tues., 1:15 - 3:15 PM (238)

Musculoskeletal Ultrasound

Amy M. Evangelisto, MD and
Eugene Y. Kissin, MD
Mon., 10:30 AM - 12:30 PM (220)
Tues., 10:30 AM - 12:30 PM (233)

Nail Calicoscopy

Maurizio Catolli, MD
Sun., 7:45 - 9:45 AM (202)

Osteoporosis: Interpreting Dual Energy X-ray Absorptiometry and Clinical Risk Factors: The New Fracture Risk Assessment Algorithm

Stuart L. Silverman, MD
Sun., 4:00 - 6:00 PM (212)
Mon., 7:45 - 9:45 AM (216)

Physical Examination Skills for Improved Detection of Synovitis and Cervical Thoracolumbar Disorders

Edward Keystone, MD
Sun., 4:00 - 6:00 PM (213)

Renal Histopathology in Systemic Lupus Erythematosus and Vasculitis

Anthony Chang, MD
Mon., 10:30 AM - 12:30 PM (221)
Tues., 10:30 AM - 12:30 PM (234)

Synovial Fluid Analysis and Crystal Identification

Brian F. Mandell, MD, PhD;
Lan Chen, MD, PhD and
Gilda M. Clayburne, MLT
Sun., 10:30 AM - 12:30 PM (207)
Mon., 1:15 - 3:15 PM (224)

Systemic Sclerosis: How to Perform Skin Scores

Daniel Furst, MD, MPH
Tues., 4:00 - 6:00 PM (241)

Tai Chi in Rheumatic Disease

Mary Jurisson, MD
Sun., 7:45 - 9:45 AM (203)

The Rheumatologic Musculoskeletal Screening Exam, With Emphasis on Objective Disease-specific Measurements

Mon., 7:45 AM - 9:45 PM (217)
Arthur M. Mandelin II, MD, PhD
Tues., 1:15 - 3:15 PM (239)

Ultrasound Injection Guidance

Gurjit Kaeley, MD
Tues., 4:00 - 6:00 PM (242)

X-ray Challenges in Rheumatic Diseases

Donald J. Flemming, MD
Tues., 10:30 AM - 12:30 PM (235)

NETWORKING OPPORTUNITIES

Networking Opportunities are not eligible for CME credit.

The ACR/ARHP Annual Meeting offers a **wide array of networking opportunities** that will help extend your experience beyond the walls of the convention center. Network and build connections by taking advantage of the various networking events available during the meeting.

OPENING RECEPTION

Saturday, November 15

6:15 – 9:00 PM

Join us in the Grand Ballroom after the Opening Lecture as we toast the opening of the 2014 ACR/ARHP Annual Meeting and salute you, our guests on Saturday, November 15.

ACR STUDY GROUPS

Monday, November 17

6:30 – 7:45 PM

Tuesday, November 18

1:00 – 2:00 PM

Take advantage of these unique social forums, designed to bring together attendees with a common interest in a single disease, a group of related disorders or a specialized field of study. These sessions are offered during two convenient lunch time and evening time slots.

ARHP FIRST-TIME ATTENDEE ORIENTATION

Sunday, November 16

7:45 – 9:00 AM

First-time ARHP annual meeting attendees are invited to an orientation to learn the 'ins and outs' of the annual meeting. The ARHP Membership and Nominations Committee will assist you in planning how to get the most out of your first annual meeting.

ARHP NETWORKING FORUM

Sunday, November 16

12:30 – 2:15 PM

All ARHP attendees are invited to this kick-off forum for the annual meeting. You will have the opportunity to network over a complimentary lunch at discipline tables.

ARHP NETWORKING AT NOON

Monday, November 17

NOON – 2:00 PM

Sit down with your colleagues over a complimentary lunch, and participate in open discussion on various research, practice and clinical topics. Each roundtable discussion will be facilitated by a rheumatology expert. All ARHP attendees are welcome to participate in this event.

EXHIBIT HALL

Sunday and Monday, November 16-17

10:00 AM – 5:00 PM

Tuesday, November 18

10:00 AM – 2:30 PM

Visit the exhibit hall and discover the latest technology of over 150 exhibitors from around the world and take advantage of this networking opportunity by:

- Engaging with new exhibitors.
- Attending the Innovation Theater.
- Speaking with ACR representatives at the Discovery Center.
- Connecting with employers at the CareerConnection.
- Meeting for lunch in the food court.

