

UNIVERSITY  
of VIRGINIA

SCHOOL OF MEDICINE

## A COMPREHENSIVE REVIEW OF MUSCULOSKELETAL MRI

Faculty:

**Clyde A. Helms, MD**

Professor of Radiology and Orthopaedic Surgery,  
Duke University Medical Center, Durham, NC

**Mark Anderson, MD - Course Director**

Professor of Radiology and Orthopaedic Surgery,  
Chief of Musculoskeletal Imaging, University of Virginia Health  
Sciences Center, Charlottesville, VA

**Course Description** – This course is an intensive review and update of musculoskeletal MR imaging techniques. The faculty will review the current status of imaging specialized anatomic areas such as the knee, wrist shoulder, spine, foot and ankle. They will discuss the design and implementation of musculoskeletal imaging protocols. This will provide an excellent opportunity for the practicing radiologist to review the current imaging procedures as well as expose them to the newest procedures and modalities being used.

**Target Audiences:** Radiologists performing musculoskeletal MRI

**Learning Objectives:** At the conclusion of this activity, participants should be able to:

- Discuss current musculoskeletal MR imaging techniques, including the role of MR arthrography;
- Design and implement appropriate musculoskeletal imaging protocols;
- Apply the current advances in musculoskeletal imaging to diagnosing disease processes in the elbow, knee, wrist, shoulder, spine, hip, foot and ankle;
- Describe the role of MR imaging in the workup of a patient with a suspected fracture and normal radiographs;
- Recognize the value of MRI in evaluating MSK tumors;
- List the MR imaging findings observed in the spectrum of tendon pathology from tendinosis to a complete tear.

#### **Accreditation and Designation Statement**

The University of Virginia School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

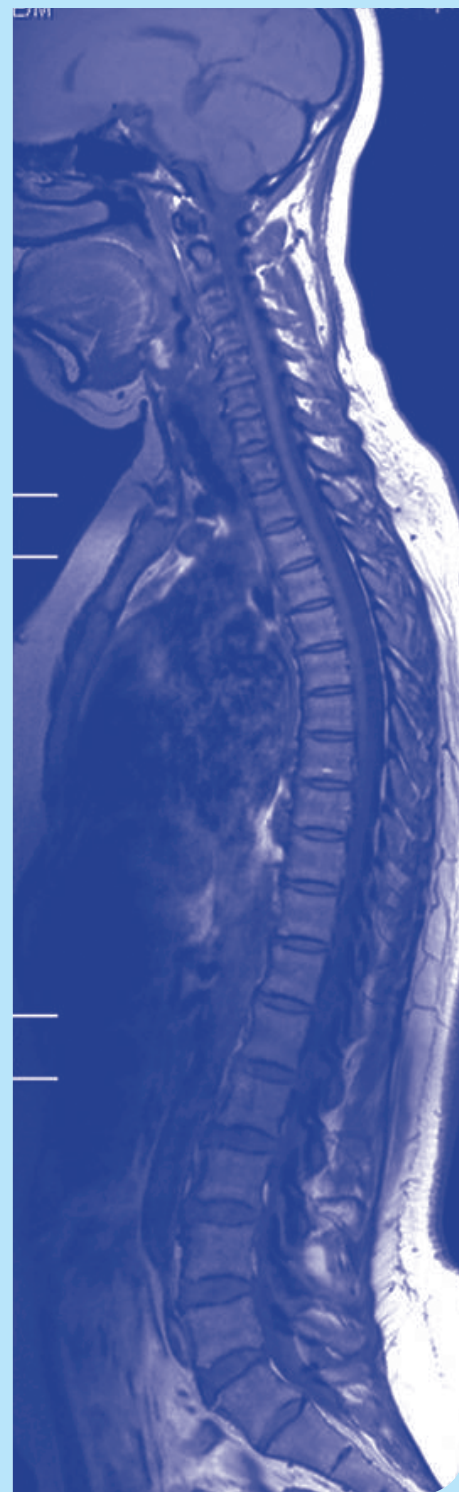
The University of Virginia School of Medicine designates this live activity for a maximum of **18 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity. The University of Virginia School of Medicine awards 18.0 hours of participation (equivalent to **AMA PRA Category 1 Credits™**) to each non-physician participant who successfully completes this educational activity.

#### **Confirmation & Cancellation Policy**

Upon receipt of registration and payment, you will receive an email confirmation.

Registration fees will be refunded (less a \$100 administrative fee) for written cancellations (emails and faxed requests are acceptable) received a minimum of 14 days prior to the activity date. No refunds will be granted for cancellations made within 13 days of the activity. Email cancellation requests to [uvaradcme@aladdintravel.com](mailto:uvaradcme@aladdintravel.com) or fax them to 336-499-6774.

The University of Virginia School of Medicine reserves the right to cancel CME activities if necessary. In this case, the entire registration fee will be refunded. All other expenses incurred in conjunction with this CME activity are the sole responsibility of the participant.



## **A COMPREHENSIVE REVIEW OF MUSCULOSKELETAL MRI**

### **Day 1**

7:00 a.m.	Registration
7:30 a.m.	Continental Breakfast / Meet the Professor
8:00 a.m.	MRI of the Knee - Anderson
10:15 a.m.	Coffee Break & Discussion
10:30 a.m.	MRI of the Knee - Anderson
11:30 a.m.	MRI of the Hip - Helms
12:30 p.m.	Panel Discussion Q&A – Helms & Anderson
12:45 p.m.	Adjourn

### **Day 2**

7:30 a.m.	Continental Breakfast / Meet the Professor
8:00 a.m.	MRI of the Shoulder - Helms
10:15 a.m.	Coffee Break & Discussion
10:30 a.m.	MRI of the Shoulder (Cont'd) - Helms
11:30 a.m.	MRI of the Wrist - Anderson
12:30 p.m.	Panel Discussion Q&A – Helms & Anderson
12:45 p.m.	Adjourn

### **Day 3**

7:30 a.m.	Continental Breakfast / Meet the Professor
8:00 a.m.	MRI of the Ankle - Anderson
10:15 a.m.	Coffee Break & Discussion
10:30 a.m.	MRI of the Ankle (Cont'd) - Anderson
11:30 a.m.	MRI of Tumors
12:30 p.m.	Panel Discussion Q&A – Helms & Anderson
12:45 p.m.	Adjourn

### **Day 4**

7:30 a.m.	Continental Breakfast / Meet the Professor
8:00 a.m.	MRI of the Spine - Helms
10:15 a.m.	Coffee Break & Discussion
10:30 a.m.	MRI of the Spine (Cont'd) - Helms
11:00 a.m.	MRI of the Elbow - Anderson
11:45 a.m.	Osseous Trauma - Anderson
12:30 p.m.	Panel Discussion Q&A – Helms & Anderson
12:45 p.m.	Adjourn



### **Disclosure of faculty financial affiliations**

The University of Virginia School of Medicine, as an ACCME accredited provider, endorses and strives to comply with the Accreditation Council for Continuing Medical Education (ACCME) Standards of Commercial Support, Commonwealth of Virginia statutes, University of Virginia policies and procedures, and associated federal and private regulations and guidelines on the need for disclosure and monitoring of proprietary and financial interests that may affect the scientific integrity and balance of content delivered in continuing medical education activities under our auspices.

The University of Virginia School of Medicine requires that all CME activities accredited through this institution be developed independently and be scientifically rigorous, balanced and objective in the presentation/discussion of its content, theories and practices.

All faculty presenters participating in an accredited CME activity are expected to disclose relevant financial relationships with commercial entities occurring within the past 12 months (such as grants or research support, employee, consultant, stock holder, member of speakers bureau, etc.). The University of Virginia School of Medicine will employ appropriate mechanisms to resolve potential conflicts of interest to maintain the standards of fair and balanced education to the participant. Questions about specific strategies can be directed to the Office of Continuing Medical Education, University of Virginia School of Medicine, Charlottesville, Virginia.

The faculty and staff of the University of Virginia Office of Continuing Medical Education have no financial affiliations to disclose.

### **Disclosure of Off-Label Use**

The University of Virginia School of Medicine, as an ACCME provider, requires that all faculty presenters identify and disclose any off-label uses for pharmaceutical and medical device products. The University of Virginia School of Medicine recommends that each physician fully review all the available data on new products or procedures prior to clinical use.

### **Special Needs**

The Americans with Disabilities Act of 1990 requires that all individuals, regardless of their disabilities, have equal access. The Office of Continuing Medical Education at the University of Virginia School of Medicine is pleased to assist participants with special needs. Written requests must be received 30 days prior to the conference date. These should be mailed to UVA Office of Continuing Medical Education, Box 800711, Charlottesville, VA 22908 or to [uvacme@virginia.edu](mailto:uvacme@virginia.edu). Some of the conference venues used by the University of Virginia Office of Continuing Medical Education are registered historic properties and may not be fully ADA accessible. Please feel free to contact the facility if you have specific questions.





### **January 27-30, 2014 – Ritz-Carlton St. Thomas • U.S. Virgin Islands**

Amble leisurely along miles of picturesque shoreline, as crystal-white sand intersects seamlessly with the sparkling turquoise waters of the Caribbean Sea. Here, you'll find the coastal paradise that is The Ritz-Carlton, St. Thomas – an exceptional U.S. Virgin Islands luxury resort. Cast as a tropical escape teeming with exotic marine life and endless opportunities to dine, relax and explore, the award-winning beachfront luxury resort features:

Group rates for this meeting: Resort View \$509 per night or Ocean View \$609 per night. These rates are in effect until Friday, December 27, 2013, or until room block is filled and are subject to applicable local taxes. Additional fees may apply depending on services requested.

**Airport: St. Thomas (STT) ■ Cut Off Date: Friday, December 27, 2013**

**Reservation: 1-340-775-3333 or 1-800-241-3333**

**Reservation Info: Reference UVA Radiology group**

**Register online: [www.cmevillage.com](http://www.cmevillage.com) and click "Conferences & Symposia"**

### **March 6-9, 2014 – Atlantis Resort • Paradise Island, Bahamas**

The Atlantis is a unique, ocean-themed destination located on Paradise Island, The Bahamas, and features a variety of accommodations, all built around a 141-acre waterscape comprised of over 20 million gallons of fresh and saltwater lagoons, pools and habitats. Home to the largest open-air marine habitat in the world, there are over 50,000 marine animals in lagoons and displays, including The Dig, a maze of underwater corridors and passageways providing a journey through ancient Atlantis. Atlantis is home to Aquaventure, a non-stop water experience consisting of thrilling water slides, a mile-long river ride with high intensity rapids and wave surges, and never-before-seen special effects. Dolphin Cay, the resort's interaction and education center, was created with the goal of enlightening visitors about the wonders of these remarkable ocean inhabitants. Atlantis is also known as THE culinary destination in The Caribbean with a collection of restaurants from world-renowned chefs including Nobu Matsuhisa, Jean-Georges Vongerichten and Bobby Flay. The resort boasts an impressive collection

### **September 4-7, 2014 – Ritz-Carlton Half Moon Bay • California**

Situated 23 miles southwest of the San Francisco International Airport, The Ritz-Carlton, Half Moon Bay provides a magnificent backdrop for the perfect vacation along the Northern California coast. Whether you're roasting marshmallows and making s'mores in your own terrace fire pit or relaxing on the bluff after a rejuvenating spa treatment, the resort offers a stunning destination for your next luxury getaway. Delight in delectable, innovative cuisine in ocean-view restaurants, tee off on two championship golf courses or explore miles of walking trails in one of the most romantic settings in Northern California. Some property features & amenities include:

Group rates for this meeting: \$325 per night. These rates are in effect until August 13, 2014 or until room block is filled and are subject to applicable local taxes. Additional fees may apply depending on services requested.

**Airport: San Francisco (SFO) ■ Cut Off Date: Tuesday, August 13, 2014**

**Reservation: 1-877-266-807**

**Reservation Info: Reference UVA Radiology group**

**Register online: [www.cmevillage.com](http://www.cmevillage.com) and click "Conferences & Symposia"**



of luxury boutiques and shops, casino, and the largest conference center, meeting and convention facilities in The Caribbean.

Group rates for this meeting: Coral Tower \$249, Royal Tower \$279 per night, Cove \$469 per night, Reef Studio \$309 per night, or Reef One Bedroom Suite \$850 per night. These rates are in effect until February 10, 2014 or until room block is filled and are subject to applicable local taxes. Additional fees may apply depending on services requested.

**Airport: Nassau (NAS) ■ Cut Off Date: Monday, February 10, 2014**

**Reservation: 800-386-4786**

**Reservation Info: Reference UVA Radiology group**

**Passport Required: YES! ALL persons, including US citizens, traveling by air between the US and the Bahamas are required to present a valid passport. Please note this regulation affects all individuals, regardless of age. The process to obtain or renew a passport can take 6-8 weeks, so please plan ahead. If you need more information on that process, please go to [www.travel.state.gov/passport](http://www.travel.state.gov/passport) for the most up to date applications and guidelines**  
**Register online: [www.cmevillage.com](http://www.cmevillage.com) and click "Conferences & Symposia"**



## November 2-5, 2014 – Grand Wailea Resort Hotel & Spa • Wailea-Makena, Hawaii

Grand Wailea Resort, A Waldorf-Astoria Resort. Feel the sands of Wailea Beach between your toes. Unwind in the whirlpools of Spa Grande. Indulge in the cuisine of Alan Wong's Amasia. Whether you're planning a Hawaii vacation for the whole family or a romantic Maui getaway, there's no shortage of unique activities to explore at the Grand Wailea.

Group rates for this meeting: Terrace View \$198 per night, Deluxe Garden View \$252 per night, Ocean View \$289 per night, or Deluxe Ocean View \$350 per night. These rates are in effect until October 2, 2014 or until room block is filled and are subject to applicable local taxes. Additional fees may apply depending on services requested.

Airport: Kahului Airport (OGG)

Reservation: 808-875-1234 or 1-888-887-1006.

Cut Off Date: Tuesday, October 2, 2014

Reservation Info: Reference UVA Radiology group

Register online: [www.cmevillage.com](http://www.cmevillage.com) and click "Conferences & Symposia"



### REGISTRATION FORM

A Comprehensive Review of Musculoskeletal MRI

Please PRINT legibly to ensure accuracy.

To register online, please visit our website, [www.cmevillage.com](http://www.cmevillage.com).

Or send registration to: Emily Dunn Verheyen

Aladdin Travel & Meeting Planners • 485 Shepherd Street • Winston-Salem, NC 27103

Telephone (336) 499-6705 • Fax (336) 499-6774 • Email: [uvaradcme@aladdintravel.com](mailto:uvaradcme@aladdintravel.com)

Pre-registration for this conference will close 30 days prior to the first day of the meeting.

Mr. Mrs. Ms. Dr. First Name: \_\_\_\_\_ M.I.: \_\_\_\_\_ Last Name: \_\_\_\_\_

Credentials: (MD, PhD, RN, etc.): \_\_\_\_\_ Specialty: \_\_\_\_\_

Name as you would like it to appear on your badge: \_\_\_\_\_

Affiliation/Business/Organization \_\_\_\_\_

Primary Address: This is: ☐ home ☐ work

Street: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_ Zip: \_\_\_\_\_

Country: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Please print clearly for successful email delivery of your confirmation letter.

Check the meeting you plan to attend:

☐ Ritz-Carlton, St. Thomas, U.S. Virgin Islands – January 27-30, 2014

☐ Atlantis, Paradise Island, Bahamas – March 6-9, 2014

☐ Ritz-Carlton Half Moon Bay, California – September 4-7, 2014

☐ Grand Wailea, Wailea-Makena, Hawaii – November 2-5, 2014

Do you require special assistance because of a disability, or have any dietary restrictions? If so, please describe: \_\_\_\_\_

Birth date (required for tracking CME credits/hours of participation): \_\_\_\_MM / \_\_\_\_DD / \_\_\_\_YY

### REGISTRATION FEES

#### Early-Bird Registration Fees:

Received 30 days prior to the first day of the meeting

with electronic syllabus emailed 1 week prior: .....\$900

Received 30 days prior to the first day of the meeting

with printed syllabus provided on-site at the meeting: .....\$950

#### Full Registration Fees:

Registrations received with-in 30 days of the first day of the meeting

with electronic syllabus emailed 1 week prior: .....\$975

Registrations received with-in 30 days of the first day of the meeting

with printed syllabus provided on-site at the meeting: .....\$1,025

*No refunds for cancellations made within 13 days of the activity.*

Email cancellation requests to [uvaradcme@aladdintravel.com](mailto:uvaradcme@aladdintravel.com) or fax them to 336-499-6774.

### PAYMENT INFORMATION

Check or money order made payable to "Aladdin Travel & Meeting Planners." Please indicate the name of the conference on your check.

Charge payment to:

☐ Visa ☐ MasterCard ☐ American Express ☐ Discover

Your credit card number: \_\_\_\_\_

3- or 4-digit code on the back of card \_\_\_\_\_

Expiration date: \_\_\_\_MM \_\_\_\_YY Billing Name: \_\_\_\_\_

Signature: \_\_\_\_\_

For further information regarding agenda/CME credits please contact:

**Sylvia Aziz**, Office of Continuing Medical Education, P.O. Box 800711

University of Virginia School of Medicine, McKim Hall, Charlottesville, VA 22908

Tel: (434) 982-3687, Fax: (434) 982-1415, [sylvia.aziz@virginia.edu](mailto:sylvia.aziz@virginia.edu)

For further information regarding registration, travel or hotel reservations please contact:

**Emily Dunn Verheyen, Aladdin Travel & Meeting Planners**

485 Shepherd Street, Winston-Salem, NC 27103

Tel: (336) 499-6705, Fax: (336) 499-6774, [emily.verheyen@aladdintravel.com](mailto:emily.verheyen@aladdintravel.com)