

### Course Description

This course has been developed to reignite the passions of neuroradiology and musculoskeletal diagnostic and interventional radiologists, and to stir the fire within general radiologists striving to expand their neuro and MSK skills. The symposium brings together nationally and internationally renowned speakers who are experts in the fields of neuroradiology, musculoskeletal radiology, and interventional pain medicine. The course will revalidate some established concepts and imaging parameters but overturn others by presenting new up-to-date information. Through this course the attendees will review normal neuro and MSK anatomy and the imaging of pathophysiology affecting adults and children. Complex metabolic bone and neuro pathology will be dissected into more easily recognizable patterns. The attendees will be exposed to panel discussions, where imaging of spine and MSK diseases will be presented side by side with treatment options. Neoplastic and inflammatory neuro and MSK processes will be reviewed. Time will be dedicated to currently-pressing topics such as dementia, regenerative medicine, and both the diagnosis and treatment of acute stroke. All imaging modalities, ranging from plain films to nuclear medicine studies, will be included. A two-hour hands-on MSK/US workshop will be an interactive part of the course.

### Course Objectives

At the completion of this course, attendees will be able to:

- Identify the complex anatomy of the sella, temporal bone and sinuses and the pathologies affecting them.
- Discuss the various imaging modalities used in the evaluation of trauma, phacomatoses, epilepsy, dementia and stroke. Discuss advances in imaging and therapy as they apply to both disease processes.
- Explain the complex anatomy of head and neck cancers and the intricacies of pre and post-operative imaging.
- Expand the recognition and differential for difficult white matter diseases, CNS infections as well as metabolic brain disorders.
- Describe the anatomy of the musculoskeletal system as it applies to the joints, spine and soft tissues.
- Recognize the imaging findings in musculoskeletal disease that affect the patients function and quality of life.
- Integrate available treatment options into the understanding and reporting of musculoskeletal diseases and pathology. Recognize important findings for the interventionalist.
- Identify the complexities of metabolic bone diseases, tumors and synovial disease and their imaging manifestations.
- Hone US imaging skills of the musculoskeletal system by participating in a hands-on US workshop.

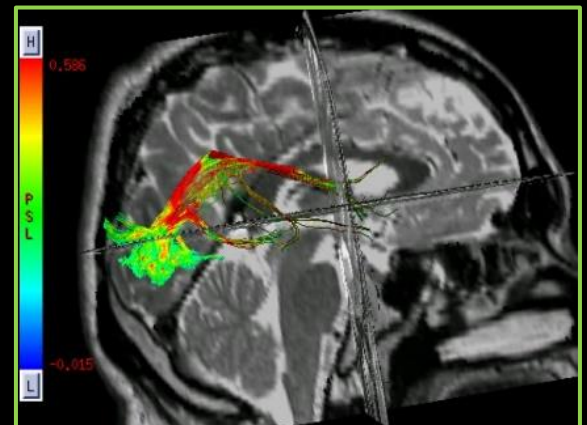
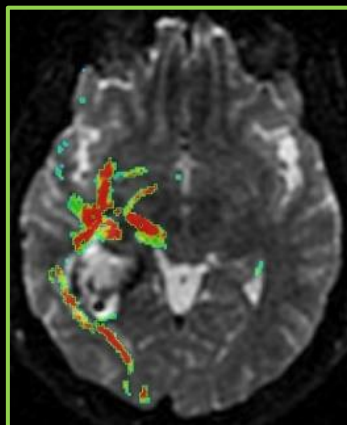
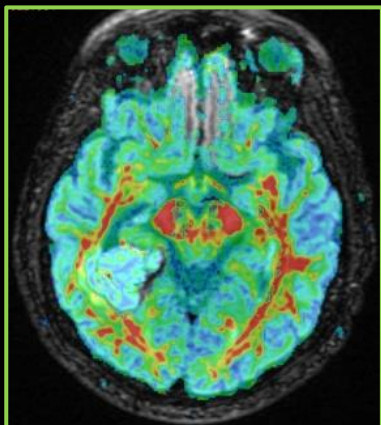
### ACCME & AOA Accreditation

The AOCR is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The AOCR designates this live activity for a maximum of 34.5 AMA PRA Category 1 credits™.

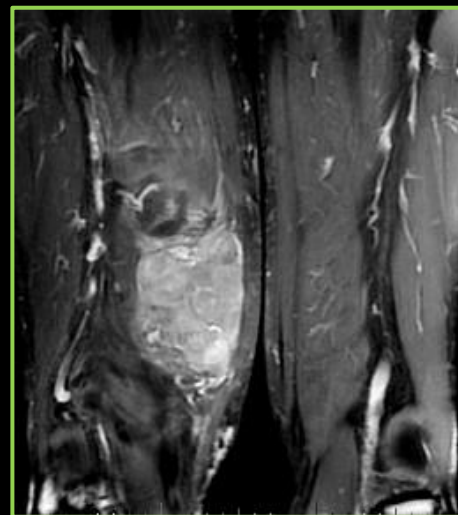
The AOCR is accredited by the American Osteopathic Association (AOA). The AOA has approved this CME Activity for a maximum of 34.5 Category 1-A credits.

### Disclosure

It is the policy of the AOCR to comply with the ACCME Standards for commercial support of CME Activities. All faculty participants in AOCR programs are required to disclose to the program audience any real or apparent conflict(s) of interest related to this meeting or its content. Faculty disclosure information is included in the course syllabus information and will be disclosed by faculty as they present.



## Program Schedule



### Monday, April 8

- 7:30 am Opening Remarks/AOA Updates
- 8:00 am MRI Shoulder Instability - *Laura Bancroft, MD*
- 9:00 am Imaging of Pediatric Head Trauma - *William O'Brien, DO*
- 10:00 am Break
- 10:15 am MRI Shoulder: Rotator Cuff Alphabet - *Laura Bancroft, MD*
- 11:15 am Head and Neck PET - *Terence Wong, MD*
- 12:15 pm Lunch on Your Own
- 1:15 pm MRI Hip - *Laura Bancroft, MD*
- 2:15 pm Nuclear Imaging of Dementia - *Terence Wong, MD*
- 3:15 pm Break
- 3:30 pm Knee MRI Part 1 - *Christine Chung, MD*

### Tuesday, April 9

- 7:30 am Brain Infections - *Patricia Roche, DO*
- 8:30 am MRI of Hand and Wrist - *Sheri Albers, DO*
- 9:30 am General Membership Business Meeting
- 10:00 am Knee MRI Part 2 - *Christine Chung, MD*
- 11:00 am MRI Imaging of Dementia - *Valerie Jewells, DO*
- 12:00 pm Lunch on Your Own
- 1:00 pm Synovitis and Arthritis - *Christine Chung, MD*
- 2:45 pm Break
- 3:00 pm Metabolic Bone Disease - *Christine Chung, MD*
- 4:00 pm Temporal Bone Imaging - *Benjamin Huang, MD*



### Wednesday, April 10

- 7:30 am Head and Neck Cancer Staging Update - *Benjamin Huang, MD*
- 8:30 am MRI of Pediatric Sports Injuries - *John Reeder, MD*
- 9:30 am Break
- 9:45 am MRI of the Elbow - *John Reeder, MD*
- 10:45 am Sinus Imaging - *Patricia Roche, DO*
- 11:45 am Lunch on Your Own
- 12:45 pm MRI of Osseous Neoplasms - *John Reeder, MD*
- 1:45 pm Metabolic and Toxic Abnormalities of the CNS - *Richard Latchaw, MD*
- 2:45 pm MRI of Soft Tissue Neoplasms - *John Reeder, MD*

### Thursday, April 11

- 7:30 am Sellar/Parasellar Lesions - *Carlos Zamora, MD*
- 8:30 am Break
- 8:45 am Panel Discussion: Spine Imaging and Intervention - *Aaron Calodney, MD & Richard Latchaw, MD*
- 10:45 am Neuroimaging of Major Phakomatoses - *Carlos Zamora, MD*
- 11:45 am Lunch
- 12:45 pm Panel Discussion: Upper Extremity US Imaging & Regenerative Medicine Intervention - *Steve Aydin, DO & Sheri Albers, DO*
- 1:45 pm Break
- 2:00 pm Panel Discussion: Lower Extremity US: Imaging & Regenerative Medicine Intervention  
*George Chien, DO & Sheri Albers, DO*
- 3-5 pm Hands On Ultrasound MSK Workshop - *Steve Aydin, DO, George Chien, DO & Sheri Albers, DO*

### Friday, April 12

- 8:00 am Imaging of Seizure and Epilepsy - *Michael Zapadka, DO*
- 9:00 am Stroke: Imaging and Treatment in 2019 - *Richard Latchaw, MD*
- 10:00 am Break
- 10:15 am Practical Approach to Hypoxic Ischemic Brain Injury in Children - *Michael Zapadka, DO*
- 11:00 am Foot and Ankle MRI - *Sheri Albers, DO*

## Faculty

**Sheri L. Albers, DO, FAOCR**  
**Co-Program Chair**

Radiology Research and Consultation  
Sacramento, CA

**Valerie L. Jewells, DO, FAOCR, FOCR**  
**Co-Program Chair**

Clinical Professor, Department of Radiology, Division  
of Neuroradiology  
Associate Professor, Neurology  
Director of Quality and Safety, Radiology  
University of North Carolina Hospital  
Chapel Hill, NC

**Steve M. Aydin, DO**

Chief of Physical Medicine & Rehabilitation and  
Interventional Pain Management  
Kayal Orthopaedic Center, PC  
Clinical Assistant Professor  
Hofstra-Northwell Health School of Medicine  
Franklin Lakes, NJ

**Laura W. Bancroft, MD, FOCR**

Chief of Musculoskeletal Radiology  
Florida Hospital  
Radiology Chair of Education  
Adjunct Professor of Radiology  
UCF College of Medicine  
Orlando, FL  
Clinical Professor of Radiology  
Florida State University College of Medicine  
Tallahassee, FL

**Aaron K. Calodney, MD**

Anesthesiologist & Interventional Pain Specialist  
Precision Spine Care  
Tyler, TX

**George C. Chang Chien, DO**

Director for the Center of Regenerative Medicine  
Southern California University  
Director of Pain Management  
Ventura County Medical Center  
Ventura, CA

**Christine B. Chung, MD**

Professor in Residence, Department of Radiology  
University of California San Diego  
La Jolla, CA

**Benjamin Y. Huang, MD**

Associate Professor, Department of Radiology,  
Division of Neuroradiology  
Neuroradiology Program Director  
University of North Carolina Hospital  
Chapel Hill, NC

**Richard E. Latchaw, MD**

Professor of Radiology  
Department of Radiology  
UC Davis Medical Center  
Sacramento, CA

**William T. O'Brien, Sr. DO, FAOCR**

Fellowship Program Director, Pediatric Neuroradiology  
Cincinnati Children's Hospital Medical Center  
Associate Professor of Radiology  
University of Cincinnati College of Medicine  
Cincinnati, OH

**John D. Reeder MD, FOCR**

Director of Imaging  
Proscan Imaging  
Columbia, MD

**Patricia E. Roche, DO**

ProHealth Care Associates, LLP  
Lake Success, NY

**Terence Wong, MD**

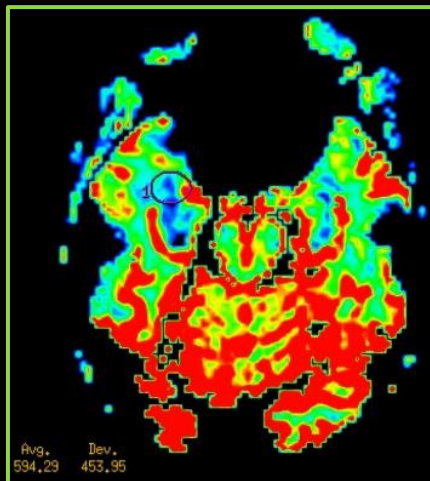
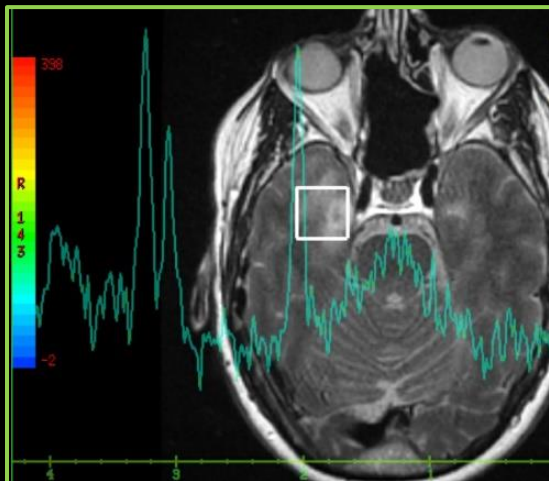
Professor of Radiology  
Division Chief, Nuclear Medicine  
Duke University School of Medicine  
Durham, NC

**Carlos Zamora, MD**

Assistant Professor, Department of Radiology,  
Division of Neuroradiology  
University of North Carolina Hospital  
Chapel Hill, NC

**Michael E. Zapadka, DO**

Associate Professor, Department of Radiology  
Wake Forest School of Medicine  
Winston Salem, NC





## Meeting Location & Reservation Information

The Westin Riverwalk  
420 W Markey Street  
San Antonio, TX 78205  
**Reservations: (210) 224-6500**  
**Group Room Rate: \$199**

Rooms at the discounted group rate have been reserved for attendees on a first-come, first-serve basis and may sell out before the cut-off date of March 12, 2019. Be sure to identify that you are with the American Osteopathic College of Radiology group to receive the discounted rate. If you have any problems making your reservation or need to cancel a reservation, please contact Mary Lentz at (800) 258-2627.

## **Course Registration Information**

<b>MEMBER RATES</b>	<b>Early Bird Ends 3/5/19</b>	<b>Regular Ends 4/4/19</b>	<b>On-Site</b>
<b>Practicing Physician</b>	\$895	\$995	\$1,095
<b>Retired (Non-Practicing Physician)</b>	\$695	\$795	\$895
<b>Resident/Fellow</b>	Complimentary	Complimentary	Complimentary
<b>NON-MEMBER RATES</b>	<b>Early Bird Ends 3/5/19</b>	<b>Regular Ends 4/4/19</b>	<b>On-Site</b>
<b>Practicing Physician</b>	\$1,195	\$1,295	\$1,395
<b>Resident/Fellow</b>	\$600	\$700	\$800
<b>Physician's Assistant</b>	\$600	\$700	\$800
<b>Interns &amp; Students receive complimentary registration if a letter from the DME is provided</b>			
<b>CANCELLATION POLICY</b>			
30 Days Prior – Full Refund			
29-7 Days Prior – Refund less \$100 cancellation fee or transfer to either of the next two (2) AOCR Sponsored CME Activities			
Less Than 7 Days Prior – No Refund			

## **Registrant Contact Information**

<b>Name:</b>	<b>Address:</b>		
<b>Telephone #:</b>	<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Email Address:</b>			

## **Payment Information**

Make check payable to the AOCR or Credit Card Payment:

<input type="checkbox"/> Visa	<input type="checkbox"/> MasterCard	<input type="checkbox"/> American Express	<input type="checkbox"/> Discover
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<b>Card #:</b>	<b>Expiration Date:</b>
<b>Name on Credit Card:</b>	
<b>Card Billing Address (if different from above):</b>	

## **Registration Options**

Online <a href="http://www.aocr.org">www.aocr.org</a>	Mail 119 E. 2 <sup>nd</sup> St. Milan, MO 63556	Fax (660) 265-3494	Phone (660) 265-4011
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## **Program Contact**

Mary Lentz  
(800) 258-AOCR (2627)  
[mary@aocr.org](mailto:mary@aocr.org)

