



Presidential Address



As we approach the end of 2018, I want to highlight some of the accomplishments and developments of the AOCR. The Annual Meeting held in May in Scottsdale, AZ attracted one of the largest groups ever to our CME events. This was, in part, due to the pioneering format of "Top 3 Differentials" developed by President-Elect Bill O'Brien, DO. We followed that with our triennial breast imaging course in October allowing our members to fulfill their breast imaging CME demands.

Following a lot of hard work by our staff, we have deployed our Learning Management System. This can be accessed on the AOCR website through the CME tab. Once there, you can find opportunities to obtain additional CME credits sponsored by us. The options available will continue to increase under the leadership of our Online CME committee. As 2018 is the end of the AOA 3 year CME cycle, this is a great opportunity to fulfill your requirements.

In October, the Radiology Resident of the Year award was presented to Heather Ivy, DO. Dr Ivy is a PGY3 resident at Oklahoma State University Medical Center in Tulsa, Oklahoma. She was presented the award by AOA Board of Trustees member and AOCR Past President Bruce Wolf, DO. I look forward to welcoming her at our 2019 Annual Meeting in San Antonio.

Finally, let me remind you about the important work of the AOCR Education Foundation. The Foundation sponsors several events for us. Their generosity helps to fund the Annual Meeting and the Mid-year Meeting. In the past, the Foundation has helped to fund the Botsford Oral Board Review as well as Long Distance Learning Lectures that we provide to our residents. Recently, the Foundation has offered scholarships to residents to help defray their cost of attending the Annual Meeting. The Foundation is also a sponsor of the Resident of the Year award. The Foundation does all of these and more, thanks to your generosity. Contributions to the Education Foundation are tax deductible and a great way to support our profession. Donations can be made online at www.aocr.org by selecting the Education Foundation tab.

I hope that each of you will consider a year end gift to allow them to continue their work.

In closing, I would like to wish each of you and your families a joyous holiday season.

Fraternally,

Michael W. Keleher, DO, FAOCR

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Upcoming Events

Merging Mind & Muscle: Radiology at its Best

April 8-12, 2019
Westin Riverwalk
San Antonio, TX
Offering 34.5 CME Credits
Includes General Membership Business Meeting
April 10, 2019

Advances in Cross Sectional Imaging: Emphasis on US & CT

September 19-22, 2019
Westin Denver Downtown
Denver, CO
Offering 20 CME Credits
Conference designed to allow time for attendees to enjoy Denver!

Don't forget that December 31, 2018 is the end of the current AOA CME Cycle.

The AOCR offers several avenues to earn last-minute CME online.

[Live Monthly Online Webinars](#)

[JAOCR Quizzes](#)

[On-Demand Webinars](#)



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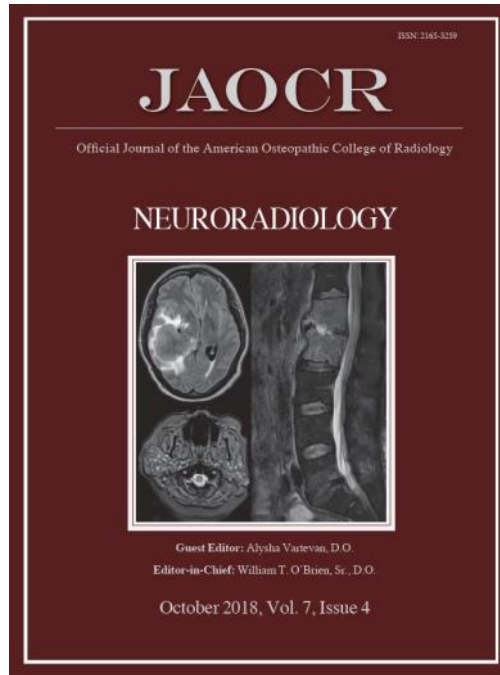
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Neuroradiology: From the Guest Editor

I would like to take the time to thank Dr. O'Brien and the JAOCR for the opportunity to serve as guest editor for this issue dedicated to neuroradiology. Editing and organizing this issue gave me the chance to work with many wonderful colleagues. I want to thank each of the authors for dedicating their time and energy to writing the articles to make this issue a success.

The articles included in this neuroradiology-focused issue were selected with the general practicing radiologist in mind. Both review articles were intended to help with everyday challenges radiologists face. The first review article focuses on a topic that most radiologists dread: head and neck. The "Overview of Parotid Gland Masses" article discusses the most common benign and malignant pathologies that you will encounter. Additionally, the article discusses patterns of disease spread and treatment recommendations to add value for our referring clinicians.

The second review article, which focuses on degenerative spine imaging, is "Magnetic Resonance Imaging of Degenerative Disease of the Lumbar Spine: A Review." It is a fantastic overview of lumbar spine anatomy and the accepted degenerative lumbar spinal nomenclature. Given the prevalence of back pain and spine imaging that is regularly performed, this article is intended to be a go-to reference for lumbar imaging.

Next, the two cases selected for the case review section are intended to help develop a differential diagnosis for common pathologies: the cystic neck mass and the intraventricular mass. Each case provides the top three (Dr. O'Brien's favorite number) differential diagnoses, the final diagnosis, and a discussion on each pathologic entity.

Lastly, the two cases selected for the Viewbox section are intended to show the classic imaging findings to establish a case as an "Aunt Minnie." Both the discitis/osteomyelitis and transient global amnesia Viewbox cases have helpful clinical and imaging findings to guide radiologists to the ultimate diagnosis.

I hope this dedicated neuroradiology issue will serve as a useful learning tool for the radiology trainee and a good review for the seasoned radiology veteran. I again want to thank each of the contributing authors; this issue could not have happened without their hard work and dedication. I also want to thank my former attending neuroradiologists at Barrow Neurological Institute for their guidance and input. Lastly, I want to thank my husband for always supporting my passion for radiology. Hopefully this issue will reignite all of our love for neuroradiology and introduce trainees to this wonderfully challenging subspecialty. I hope you all enjoy this neuroradiology-focused issue of the JAOCR.

Alysha Vartevan, DO
 Clinical Instructor in Neuroradiology
 University of Arizona College of Medicine
 Phoenix, AZ

[Click to read this issue](#)

Two-for-New Deal

Current members who refer a new paying member will be eligible to receive two (2) free online CME coupons!

[Click to view offer details](#)

Outstanding Resident of the Year in Radiology



The American Osteopathic Foundation (AOF) and the American Osteopathic College of Radiology (AOCR) are proud to recognize Heather N. Ivy, DO, MPT, as the 2018 AOF/AOCR Outstanding Resident of the Year in Radiology.

Dr. Ivy received her DO degree from the Oklahoma State University College of Osteopathic Medicine in 2016 and prior to that earned a Masters in Physical Therapy from the University of Oklahoma's Health Sciences Center. She is currently completing a residency in diagnostic radiology at the Oklahoma State University Medical Center.

Dr. Ivy's leadership experience includes terms as the resident representative on the AOA Board of Trustees and Bureau of Membership as well as the Oklahoma Osteopathic Association's (OOA) Executive Committee. "I have a strong desire to see osteopathic medicine flourish for centuries to come. Giving my time is a privilege and, I feel, my responsibility since the DOs before me paved the way for me to call this my career," she says.

She also finds time for volunteer projects, including medical mission trips through DOCARE, mentoring medical students and performing sports physicals for local high school students. In her words, "as long as I am able, I will continue pushing myself to be the best physician of my ability. My patients and osteopathic family deserve it."

Jeremy Fullingim, DO, Program Director of Dr. Ivy's residency, says "I truly believe this award was made for a resident like Heather...I have never encountered a resident so dedicated to improving the community around her."

Dr. Ivy was recognized at the AOA OMED Conference on October 5. She is pictured above with Bruce Wolf, DO, AOCR Past President, AOA Board Trustee. She will be recognized at the AOCR Annual Convention on April 10, 2019 in San Antonio, Texas. In addition, the AOCR Education Foundation will provide Dr. Ivy with a travel stipend for the AOCR Annual Convention.

RESIDENT LECTURE SERIES

As we strive to continually evolve and provide relevant CME for our members, the Resident Lecture Series is merging with our Online CME. Our Online CME offerings have recently been expanded to include on-demand webinars in addition to monthly live webinars, all of which are available to residents at no charge. As such, the AOCR will no longer offer a separate Resident Lecture Series, but encourage all residents to participate in the Online CME offerings. We would like to thank all of the speakers who volunteered their time and expertise to participate in the Resident Lecture Series.

Click below to view AOCR online CME

[Live Webinars](#)

[On-Demand Webinars](#)

[Journal Quizzes-JAOCR](#)

RESIDENT GRANTS

The AOCR Education Foundation is excited to continue providing Resident Grants! These grants support resident travel and attendance at the AOCR Annual Convention. For 2019, the Foundation will be offering up to ten (10) \$500 grants. More information regarding the deadline and application process will be available soon!

Merging Mind & Muscle

Radiology at its Best

Westin Riverwalk, San Antonio, TX

Offering 34.5 CME Credits

April 8-12, 2019

Course Description

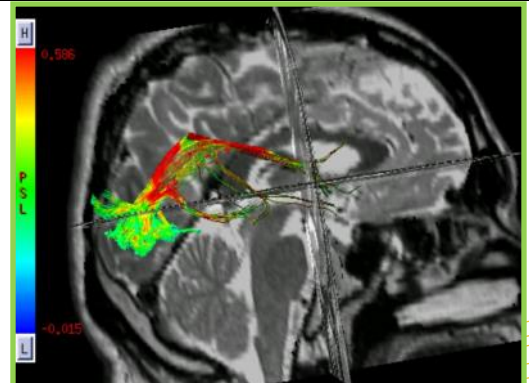
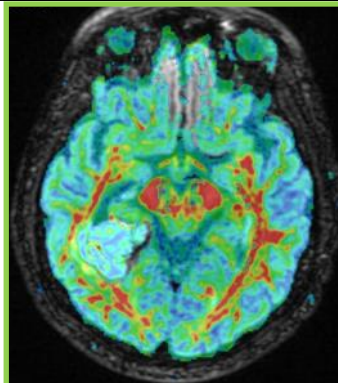
This course has been developed to reignite the passions of neuroradiology and musculoskeletal diagnostic and interventional radiologists, and to stir the fire within general radiologists striving to expand their neuro and MSK skills. The symposium brings together nationally and internationally renowned 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.

[Click to view detailed course information](#)



Breast Imaging Today

The Breast Imaging Today Conference was a huge success thanks to Program Chair, Susann Schetter, DO, Acting Program Chair, Alison Chetlen, DO, and all of the amazing faculty! We continue to hear overwhelmingly positive feedback from attendees on this conference. Thank you to all who attended and all who helped make this conference successful!



Brandon Behjatnia, DO & Rifat Wahab, DO



Monali Vasekar, MD, Alison Chetlen, DO, Acting Program Chair, Kristine Widders, MD & Rebecca Sivarajah, MD



Alison Chetlen, DO, Acting Program Chair & Michael Keleher, DO, President



Katherine Willer, DO & Clair McKay, DO



Alexis Smith, DO & Alison Chetlen, DO,



Attendees ask questions during a lecture on BI-RADS 3



Attendees refine their breast ultrasound skills during the Hands-On Workshop

Thank You 2018 Mid Year Conference CME Sponsor
AOCR Education Foundation

AOCR Education Foundation Donors

The AOCR is grateful to the following members who have contributed to the AOCR Education Foundation from July 1, 2018 through October 31, 2018. The listing reflects the donor's lifetime contributions. **A full listing of foundation contributors can be found on the [AOCR website](#).**

Trustee Level

Contribution of \$10,000 and above

Claire McKay, DO+
Frederick E White, DO+

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Contribution of \$5,000 and above

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Contribution of \$2,000 and above

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Edward Solomon, DO
Matthew Treinen, DO

Donation funds designated

+ Pamela Smith Scholarship Fund

2018 EDUCATION FOUNDATION SPONSORED ACTIVITIES

Resident Lecture Series

- ◆ January: GI/GU Review
Presented by Sharon Kreuer, DO
- ◆ February: Nuclear Medicine Review
Presented by Daniel Wale, DO
- ◆ March: Breast Imaging Review
Presented by Stacy Ries, DO
- ◆ May: Musculoskeletal Review
Presented by Matthew Tommack DO
- ◆ June: Pelvic Ultrasound Review
Presented by Katherine Willer DO
- ◆ August: Cardiac Review
Presented by Erin Opfer DO
- ◆ September: Neuro Review
Presented by William Zucconi, DO
- ◆ October: IR Review
Presented by Jonathon Kirkland DO
- ◆ November: Pediatrics Review
Presented by Neil Mardis, DO
- ◆ Special Lecture
Presented by Jill Wruble, DO

Botsford Board Review Course Educational Grant

AOCR Annual Convention: Educational Grant

JAOCR: Educational Grant

Resident Grant to Attend AOCR Annual Convention 7 Grants Awarded

AOCR Staff Professional Development

Radiology Resident of the Year Travel Stipend to Attend 2018 Annual Convention

The AOCR Education Foundation takes pride in supporting the educational efforts of the AOCR. Your contributions enable us to continue to support our projects and begin new endeavors. Donations can be made online at www.aocr.org.

[Click to Donate Now](#)

In Memoriam

David Humphrey, DO, 88, passed away September 15, 2018.

Dr. Humphrey graduated from Kirksville College of Osteopathic Medicine in Kirksville, MO in 1955. He completed his internship in 1956 at Bashline-Rossman Hospital in Grove City, PA. He completed his residency training at Grand Rapids Osteopathic Hospital in Grand Rapid, MI in 1963.

Dr. Humphrey became an Active Member of the AOCR in 1966 and a Life Member in 1993. He was certified by the AOBR in Roentgenology in 1966.

New Members

RESIDENT

Juan Carlo Avalon, DO
David Bitonte, DO
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Dev Cheti, MD
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Hooman Hamedani, DO
Preston Hood, DO
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Christine Chang
Abdelrahman Elsayid
Anass Hanouf

Nikolas Parisis
Avinash Pyla
Samantha Snyder
Kellen Stolze
Seth Stubblefield
Younus Syed
Hunter White

Elevating Members

1ST YEAR ACTIVE

Elevated from Resident Membership

Amenyedu Adovor, DO
Guirguis Eskandar, DO
Michelle Kress, DO
Ezemonye Madu, DO
Derek McAllister, DO
Maria Tucker, DO
Derrick Wagoner, DO

RESIDENT

Elevated from Student Membership

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Carl Collins, DO
George Demosthenes, DO
Charles Messerly, DO
Leslie Nelson, DO
Joe Ness, DO
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