



Bones, Body and Brain MRI

Stanford Imaging Update 2018

A Continuing Medical Education Conference Presented by the Department of Radiology
Stanford University School of Medicine

May 21-25, 2018

Marriott Wailea Beach Resort – Maui, Hawaii

Faculty *All faculty members and conference planners are from Stanford University School of Medicine unless otherwise noted.*

Course Director:



Christopher Beaulieu, M.D., Ph.D.
*Professor of Radiology
Chief of Musculoskeletal Imaging
Associate Chair of Education*

Course Co-Director:



Geoffrey M. Riley, M.D.
*Clinical Associate Professor of
Radiology, Director of Radiology
Continuing Medical Education*

STANFORD FACULTY

Pejman Ghanouni, M.D., Ph.D.
Assistant Professor of Radiology

Michael Iv, M.D.
Clinical Assistant Professor of Radiology

Andreas Loening, M.D., Ph.D.
Assistant Professor of Radiology

Michelle M. Nguyen, M.D.
*Clinical Assistant Professor
(Affiliated) Musculoskeletal Imaging
Veterans Administration Palo Alto Health Care System*

Shreyas S. Vasanawala, M.D., Ph.D.
*Associate Professor of Radiology
Chief of Body MRI, Co-Director of MRI
Director of MRI, Lucile Salter Packard Children's Hospital*

Kristen Yeom, M.D.

*Associate Professor of Radiology
Lucile Salter Packard Children's Hospital*

Michael Zeineh, M.D., Ph.D.
Assistant Professor of Radiology

FACULTY DISCLOSURE

The Stanford University School of Medicine adheres to ACCME Criteria, Standards and Policies regarding industry support of continuing medical education. Disclosure of faculty and their commercial relationships will be made prior to the activity.

COMMERCIAL SUPPORT ACKNOWLEDGEMENT

This CME activity is supported in part by educational grants. A complete list of commercial supporters will be published in the course syllabus.

Sponsored by the Stanford University School of Medicine



Stanford | MEDICINE

Register online at cme.stanford.edu/bbbmri

Program (subject to change)

Monday May 21, 2018

7:00 – 7:30 AM	Registration and Continental Breakfast
	Bones – Musculoskeletal Imaging
7:30 – 7:40	Welcome Christopher F. Beaulieu, M.D., Ph.D. and Geoffrey M. Riley, M.D.
7:40 – 8:00	Bone Marrow – What is Normal? Geoffrey M. Riley, M.D.
8:00 – 8:30	Osseous Stress Injuries Christopher F. Beaulieu, M.D., Ph.D.
8:30 – 9:00	MSK Infections – Update on Diagnosis Michelle M. Nguyen, M.D.
9:00 – 9:30	Myotendinous Strain Injuries – The Radiologist’s Role Christopher F. Beaulieu, M.D., Ph.D.
9:30 – 10:00	Hamstring Injuries – Don’t Get Hamstrung! Geoffrey M. Riley, M.D.
10:00 – 10:15	Break
10:15 – 10:45	Important Upper and Lower Extremity Variants Geoffrey M. Riley, M.D.
10:45 – 11:15	Glenoid Labrum – Location Matters Michelle M. Nguyen, M.D.
11:15 – 11:45	Bone Marrow – Abnormal Patterns Geoffrey M. Riley, M.D.
11:45 – 12:15	Groin Pain in Athletes Christopher F. Beaulieu, M.D., Ph.D.
12:15 – 12:35	Point/Counterpoint: Do You Believe in FAI? Michelle M. Nguyen, M.D. and Geoffrey M. Riley, M.D. Moderated by Dr. Beaulieu
12:35 – 12:55	Questions and Answers MSK Faculty
6:30 – 8:00 PM	Opening Reception

Tuesday May 22, 2018

7:00 – 7:30 AM	Registration and Continental Breakfast
7:30 – 8:00	What Level is This? – Making Sense of Transitional Spinal Anatomy Geoffrey M. Riley, M.D.
8:00 – 8:30	Midfoot and Turf Toe Injuries Christopher F. Beaulieu, M.D., Ph.D.
8:30 – 9:00	Wrist Ligament and TFCC Injuries Michelle M. Nguyen, M.D.
9:00 – 9:30	Soft Tissue Masses – Critical Features to Report Geoffrey M. Riley, M.D.
9:30 – 10:00	Incidental Bone Lesions on Body MRI Michelle M. Nguyen, M.D.
10:00 – 10:15	Break
	Body – MRI of the Body
10:15 – 10:45	Prostate MRI – Intro and Rapid-Fire Cases Shreyas S. Vasanawala, M.D., Ph.D.
10:45 – 11:00	Making DWI Work for Body MRI Shreyas S. Vasanawala, M.D., Ph.D.
11:00 – 11:30	Liver MRI – Intro and Rapid-Fire Cases Andreas Loening, M.D., Ph.D.
11:30 – 11:45	Hepatic Iron and Fat Quantification Shreyas S. Vasanawala, M.D., Ph.D.
11:45 – 12:00	MR Elastography Andreas Loening, M.D., Ph.D.
12:00 – 12:15	How to Choose a Liver Contrast Agent Andreas Loening, M.D., Ph.D.
12:15 – 12:45	Questions and Answers MSK and Body MRI Faculty
12:45	Adjourn

Wednesday May 23, 2018

7:00 – 7:30 AM	Registration and Continental Breakfast
7:30 – 8:00	Gastrointestinal Tumors – Intro and Rapid-Fire Cases Pejman Ghanouni, M.D., Ph.D.
8:00 – 8:15	Peri-Anal Fistulas Andreas Loening, M.D., Ph.D.
8:15 – 8:30	Acute vs. Chronic Inflammatory Bowel Disease Shreyas S. Vasanawala, M.D., Ph.D.
8:30 – 8:45	MRI of Appendicitis Shreyas S. Vasanawala, M.D., Ph.D.
8:45 – 9:15	Gynecologic Tumors – Intro and Rapid-Fire Cases Pejman Ghanouni, M.D., Ph.D.

9:15 – 9:30	MRI of Endometriosis Pejman Ghanouni, M.D., Ph.D.
9:30 – 9:45	MRI of Solid Ovarian Masses Pejman Ghanouni, M.D., Ph.D.
9:45 – 10:00	Break
10:00 – 10:15	Cystic Pancreatic Masses Andreas Loening, M.D., Ph.D.
10:15 – 10:30	Renal Mass Characterization Andreas Loening, M.D., Ph.D.
10:30 – 10:45	New Vascular MRI Methods Shreyas S. Vasanawala, M.D., Ph.D.
10:45 – 11:00	Dynamic Contrast Enhancement and Pharmacokinetic Mapping Pejman Ghanouni, M.D., Ph.D.
11:00 – 11:15	Optimizing T2-Weighted Imaging on Body MR Andreas Loening, M.D., Ph.D.
11:15 – 11:30	MR Urography Shreyas S. Vasanawala, M.D., Ph.D.
11:30 – 11:45	MR of the Adrenal Glands Pejman Ghanouni, M.D., Ph.D.
11:45 – 12:15	Questions and Answers Body MRI Faculty
12:15	Adjourn

Thursday May 24, 2018

7:00 – 7:30 AM	Registration and Continental Breakfast
	Brain - Neuroradiology
7:30 – 8:00	The Nitty Gritty of Adult Brain Tumors Michael Iv, M.D.
8:00 – 8:30	Pediatric Posterior Fossa Brain Tumors Kristen Yeom, M.D.
8:30 – 9:00	How to Not Miss the Critical Lesion in Epilepsy Michael Zeineh, M.D., Ph.D.
9:00 – 9:30	Arteries, Veins, and Stains: A Tour of Vascular Malformations Michael Iv, M.D.
9:30 – 10:00	Pediatric Head and Neck Vascular Anomalies Kristen Yeom, M.D.
10:00 – 10:15	Break
10:15 – 10:45	Bugs in My Brain Michael Iv, M.D.
10:45 – 11:30	Peripheral Nerve Imaging – What You Need to Know Christopher F. Beaulieu, M.D., Ph.D.
11:30 – 12:00	MRI of the Brachial Plexus – Have No Fear Christopher F. Beaulieu, M.D., Ph.D.
12:00 – 12:30	Questions and Answers Neuro and MSK Faculty
12:30	Adjourn

Friday May 25, 2018

7:00 – 7:30 AM	Registration and Continental Breakfast
7:30 – 8:00	This is Your Brain on Trauma. Any Questions? Michael Zeineh, M.D., Ph.D.
8:00 – 8:30	Pediatric Neuro Trauma Kristen Yeom, M.D.
8:30 – 9:00	Stroke 9-1-1: Knowing the 4-1-1 Michael Iv, M.D.
9:00 – 9:30	Pediatric Stroke Kristen Yeom, M.D.
9:30 – 10:00	Where has the Myelin Gone? Adult Brain Demyelination Michael Zeineh, M.D., Ph.D.
10:00 – 10:15	Break
10:15 – 10:35	Pediatric Hydrocephalus/Shunt Malfunction Kristen Yeom, M.D.
10:35 – 11:15	Safe Pre-Surgical Advanced Imaging Michael Zeineh, M.D., Ph.D.
11:15 – 11:45	Orbit: Spaces and Beyond! Michael Iv, M.D.
11:45 – 12:15	Keeping Up with the Latest in Neurodegenerative Disorders Michael Zeineh, M.D., Ph.D.
12:15 – 12:45	Questions and Answers Neuro Faculty
12:45	Adjourn and End of Conference

Conference Information

STATEMENT OF NEED

This CME conference is designed to address the educational needs of radiologists and MRI technologists by improving their technical and interpretive skills to best serve patients who present with musculoskeletal, abdominal/pelvic, and neurological disorders. Through a comprehensive curriculum, participants will apply new knowledge, gain insights, and develop critical thinking skills in clinical practice. The conference content will enable them to gain new insights into how to optimize imaging and interpret imaging studies for a particular anatomic region, to promote a systematic analysis of all aspects of an imaging study, and to appraise and address controversial topics.

Through lectures, question-and-answer sessions, and engaging panel discussions and debates, participants will be better able to optimize image interpretation, discuss controversial topics, and enhance interactions with clinician colleagues.

TARGET AUDIENCE

This regional and national conference is designed to meet the educational needs of physicians, nurses, and MRI technicians with a focus in radiology.

LEARNING OBJECTIVES

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

- Apply current imaging advances in musculoskeletal disorders in order to make accurate diagnosis
- Implement the latest techniques for imaging the liver, prostate, and gastrointestinal system with MRI
- Utilize diffusion imaging and elastography to detect hepatic fibrosis
- Apply structured reporting to prostate MRI in order to assess suspicious lesions

- Discuss the pros and cons of diagnosing femoroacetabular impingement in patients presenting with hip pain and consider the importance of the clinical context in which this diagnosis should be considered
- Describe the current practices for imaging of stroke in the adult and pediatric populations
- Select appropriate imaging for the evaluation of brain trauma
- Develop critical thinking skills in order to apply a broad view of the images being reviewed
- Enhance knowledge base to enable more effective communication with referring physicians

ACCREDITATION

The Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION

The Stanford University School of Medicine designates this live activity for a maximum of **24.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California Board of Registered Nursing recognizes that Continuing Medical Education (CME) is acceptable for meeting RN continuing education requirements as long as the course is certified for **AMA PRA Category 1 Credit™ (rn.ca.gov)**. Nurses will receive a Certificate of Participation following this activity that may be used for license renewal.

Registration

REGISTRATION

Registration fee includes course materials, certificate of participation and breakfast.

ATTENDEE TYPE

ATTENDEE TYPE	FEES
Physicians	\$1,195
MRI Technologists and Nurses	\$825
Residents/Fellows (proof required)	\$825

Register online with Visa or Master Card by visiting cme.stanford.edu/bbbmri. If you prefer to pay by check or need assistance, please call (650) 497-8554 or email stanfordcme@stanford.edu. Be sure to register with an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate.

CANCELLATION POLICY

Cancellations received in writing no less than 30 days before the course will be refunded, less a 20% administrative fee. No refunds will be made on cancellations received after that date. Please send cancellation requests to stanfordcme@stanford.edu.

Stanford University School of Medicine reserves the right to cancel this program; in the event of cancellation, course fees will be fully refunded.

CONFERENCE LOCATION

Marriott Wailea Beach Resort – Maui
3700 Wailea Alanui Drive, Wailea, Hawaii 96753
Phone: 855-873-6560 • Fax: 831-375-3960

www.marriott.com/hotels/travel/hnmmc-wailea-beach-resort-marriott-maui/

After April 20, 2018 reservations will be accepted on a space available basis and at a regular resort rate.

ROOM TYPE

NIGHTLY RATE

Garden View	\$299.00*
Ocean View	\$339.00*
Premium Ocean View	\$399.00*
Deluxe Ocean Front	\$459.00*

*Plus Taxes and Hawaii Tourism Fee per night.

HOTEL ACCOMMODATIONS

Room reservations should be made directly with the Marriott Wailea Beach Resort – Maui and as early as possible.

Guests can book, modify, or cancel reservations online at:

<https://aws.passkey.com/e/49187130>

HOTEL CONFERENCE PARKING

Marriott Wailea Beach Resort – Maui offers valet parking for \$35.00/day and self-parking at \$25.00/day for guests.

DIRECTIONS

Transportation and directions may be found on hotel website:

<http://www.marriott.com/hotels/maps/travel/hnmmc-wailea-beach-resort-marriott-maui/>

VISITING Maui

To learn more about traveling to Maui, please browse

www.gohawaii.com/islands/maui



CONTACT INFORMATION

For questions about the symposium, please contact **Debbie Aube**, CME Conference Coordinator, (650) 724-5318 or email debbie.aube@stanford.edu.

Stanford Center for Continuing Medical Education

1520 Page Mill Road, Palo Alto, CA 94304

Phone: (650) 497-8554 • Email: stanfordcme@stanford.edu • Web: cme.stanford.edu



Stanford University School of Medicine is committed to ensuring that its programs, services, goods and facilities are accessible to individuals with disabilities as specified under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Amendments Act of 2008. If you have needs that require special accommodations, including dietary concerns, please contact the CME Conference Coordinator.

Register early, space is limited • Register online at cme.stanford.edu/bbbmri