

NEURO AND MUSCULOSKELETAL IMAGING

BRINGING VALUE TO THE RADIOLOGY REPORT: WHAT CLINICIANS NEED TO KNOW / FEBRUARY 7–12, 2016

This course will provide the clinician with an update on various fundamentals of Neuro and Musculoskeletal imaging. The program will emphasize CT and MR, as well as other methods to improve imaging quality. The latest information on recent updates in neuro CT/MRI protocols and advanced MRI techniques will be presented, in order to improve differential diagnosis of both the adult and pediatric brain, head & neck, spine and spinal cord lesions in the neurological system, and the major joints, nerves, ligaments and tendons of the musculoskeletal system.

Special emphasis will be placed on radiologic findings as relevant to fellow clinicians, such as identifying and clarifying certain conditions, appropriate wording for reports and referrals, and markers to look for in post-surgical scans. Specific imaging strategies for solving common and challenging clinical problems will be discussed. Each day will conclude with the opportunity for questions and discussion with the faculty.

This course will offer **19.25 Self-Assessment credits**: 8.0 in neuro and 11.25 in musculoskeletal. As of January 1, 2013, updated MOC Part 2 requirements: 75 CME credits every three years, at least 25 of which must be self-assessment activities (SA-CME, which includes SAMs). For more information: www.theabr.org/moc-dr-comp2.

At the completion of this course, the attendee should be able to:

1. Identify specific imaging features of adult and pediatric brain, spine and neck disorders, such as vascular malformations, infections, seizures, stroke and neck disease;
2. Understand adult spine pain management procedures and pediatric spine disorders;
3. Define imaging standards and recommendations for quality assurance and patient safety;
4. Recognize normal anatomy and pathology related to MRI of the major musculoskeletal joints;
5. Implement the newest cartilage imaging sequences and utilize metal suppression for orthopedic hardware;
6. Perform emerging MSK techniques including MR evaluation of peripheral neuropathies;
7. Differentiate between internal derangement and normal postoperative imaging appearances of the shoulder and knee;
8. Recognize benign processes that can appear malignant in the musculoskeletal system.





UCSF Faculty

Christine M. Glastonbury, MBBS
Course Co-Chair

Professor of Clinical Radiology, and of
Otolaryngology and Radiation Oncology

Daria Motamedi, MD
Course Co-Chair

Assistant Professor of Clinical Radiology

A. James Barkovich, MD

Professor and Vice-Chair of Radiology
Chief, Pediatric Neuroimaging

Christopher P. Hess, MD, PhD

Associate Professor of Radiology
Chief, Neuroimaging

Lynne S. Steinbach, MD

Professor of Radiology and Orthopaedics

Guest Faculty

Mini N. Pathria, MD

Professor of Radiology
UC School of Medicine at San Diego

Enrollment

Pre-registration is encouraged to ensure your space in this course.

Pre-register by December 11, 2015 and save \$75 on your enrollment fee.

TUITION \$1200 for all medical professionals; registration discounts are available for qualifying attendees, please review the registration form on page 15.

ON-SITE REGISTRATION

Sunday, February 7, 2016 at 7:00 am

The Fairmont Orchid, Hawaii – 1 North Kaniku Drive, Kohala Coast

SYLLABUS An electronic syllabus and paper notebook will be provided onsite. Printable PDFs of presentations will be available online one week prior to the course, so attendees can print out and bring pertinent presentations with them.

You must provide an email address with your registration to receive advance syllabus information. Paper copies of presentations will not be provided onsite.

FEBRUARY COURSE PROGRAM

* These lectures will include **SAM** content and questions.

SUNDAY, FEBRUARY 7, 2016

7:00 am	Registration and Continental Breakfast	
7:30	The Perfect Radiologist: Avoiding Errors *	Christine M. Glastonbury, MBBS
8:15	Lessons Learned in Quality & Safety *	Christopher P. Hess, MD, PhD
9:00	Head & Neck: Top 5 Diagnoses Not-to-Miss *	Christine M. Glastonbury, MBBS
9:40	Questions & Discussion	
9:45	Recess	
10:00	What to Do with the Post-Treatment Neck *	Christine M. Glastonbury, MBBS
10:40	How to Report on a Post-Operative Spine	Christopher P. Hess, MD, PhD
11:20	Key Concepts in the Pediatric Spine *	A. James Barkovich, MD
12:00	Myelopathy: Diagnosis & Differentials	Christopher P. Hess, MD, PhD
12:40 pm	Questions & Discussion	
12:45	Adjourn	

MONDAY, FEBRUARY 8, 2016

7:00 am	Continental Breakfast	
7:30	Trigeminal Neuralgia & Trigeminal Neuropathy	Christine M. Glastonbury, MBBS
7:50	Secrets to CNS Infections *	Christopher P. Hess, MD, PhD
8:30	The ABCs of Neck Infection	Christine M. Glastonbury, MBBS
9:00	How to Handle Hydrocephalus Cases	A. James Barkovich, MD
9:40	Questions & Discussion	
9:45	Recess	
10:00	Birthmarks & Vascular Anomalies *	Christopher P. Hess, MD, PhD
10:45	Imaging of Stroke in Children *	A. James Barkovich, MD
11:30	Update on Stroke in Adults *	Christopher P. Hess, MD, PhD
12:15 pm	Questions & Discussion	
12:30	Adjourn	

TUESDAY, FEBRUARY 9, 2016

7:00 am	Continental Breakfast	
7:30	What-to-Do with Parotid Masses	Christine M. Glastonbury, MBBS
8:00	Imaging of Pediatric Epilepsy *	A. James Barkovich, MD
8:40	HPV Head & Neck Cancer Epidemic *	Christine M. Glastonbury, MBBS
9:00	Imaging of Developmental Delay *	A. James Barkovich, MD
9:40	Questions & Discussion	
9:45	Recess	
10:00	MRI of Spine Trauma *	Mini N. Pathria, MD
10:45	MRI of the Wrist: What the Surgeon Sees *	Daria Motamedi, MD
11:30	Bursae Around Joints *	Lynne S. Steinbach, MD
12:15 pm	Questions & Discussion	
12:30	Adjourn	

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WEDNESDAY, FEBRUARY 10, 2016

No formal program

THURSDAY, FEBRUARY 11, 2016

7:00 am	Continental Breakfast	
7:30	MRI of the Shoulder: Rotator Cuff *	Lynne S. Steinbach, MD
8:15	MRI of the Shoulder: Postoperative Evaluation *	Lynne S. Steinbach, MD
9:00	Pitfalls in Shoulder Imaging *	Daria Motamedi, MD
9:45	Recess	
10:00	Nerve Entrapment Syndromes *	Mini N. Pathria, MD
10:45	MRI of the Hip: Labrum, FAI and Beyond *	Daria Motamedi, MD
11:30	MRI of the Pelvis: Tendons *	Mini N. Pathria, MD
12:15 pm	Questions & Discussion	
12:30	Adjourn	

FRIDAY, FEBRUARY 12, 2016

7:00 am	Continental Breakfast	
7:30	MRI of the Elbow: Ligaments & Tendons *	Lynne S. Steinbach, MD
8:15	MRI of Ankle Tendon Disorders *	Mini N. Pathria, MD
9:00	MRI of Bone Marrow Disorders *	Mini N. Pathria, MD
9:45	Recess	
10:00	MRI of the Knee: What the Surgeon Wants to Know *	Daria Motamedi, MD
10:45	Pitfalls in Knee Imaging *	Lynne S. Steinbach, MD
11:30	MRI of Muscle Injuries *	Mini N. Pathria, MD
12:15 pm	Questions & Discussion	
12:30	Adjourn	

Accreditation Neuro & Musculoskeletal Imaging

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

UCSF designates this live activity for a maximum of **24 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The total credits are inclusive of 2.75 in CT and 19.5 in MRI.

This live activity also qualifies for credit for physician assistants (PA) and registered nurses (RN). Please check with your state licensing board to ensure compliance.

This educational activity meets the requirement under California State Assembly Bill 1195, continuing education and cultural and linguistic competency.



*Caldera Crater, Kilauea
Volcanoes National Park*



The Big Island of Hawaii

The Big Island is the birthplace of King Kamehameha 1, the leader who united all of the Hawaiian islands by 1810. The Big Island is the anchor of the island chain and home of Madame Pele, the fire goddess of volcanoes; therefore the color ascribed to the Big Island is red. The Island of Hawaii is the largest and youngest island in the Hawaiian chain, and with the current volcanic activity, the Big Island is still growing.

The sunny and dry west side of the island is referred to as Kona, and the transformation of its shoreline by volcanic eruptions just two-hundred years ago is still evident.

The misty east side of the island is referred to as Hilo -- which is a prime growing area for flowers, plants and vegetation, includes many waterfalls, and is home to Hawaii Volcanoes National Park.

The Big Island has one of the world's most active volcanoes (Kilauea), the tallest sea mountain in the world at more than 33,000 feet (Mauna Kea), and the most massive mountain in the world (Mauna Loa). Hawaii's varying and dramatic climate zones generate a world of environments on one island, including lush rain forests, volcanic deserts, snow-capped mountaintops and beautiful black sand beaches.



*Rainbow Falls
Wailuku River, Hilo*



*King Kamehameha I
original statue in Kapa'au*

Activities and Tours

www.gohawaii.com/big-island

- Helicopter Tours
- Whale Watch
- Jeep / ATV Tours
- Circle the Big Island Tour
- Volcanoes National Park (Kilauea)
- Puuhonua O Honaunau National Park (Place of Refuge)
- Mauna Kea Summit and Observatory
- Snorkel and Scuba Excursions
- Manta Ray Snorkel (nighttime)
- Catamarans and Sunset Sailing
- Luau Dinner Buffet and Hula/Fire-knife Show
- Waterfall, Valley and Beach Tours
- Kayak "Flumin' the Ditch" excursion
- Horse Back Riding
- Submarine Tours
- Coffee Plantations



The Fairmont Orchid

Tel: **800-845-9905** / 808-885-2000

www.fairmont.com/orchid

1 N. Kaniku Drive, Kohala Coast, Hawaii

At the Orchid, an ambience of comfort and luxury has been adapted to the natural surroundings and beauty of the island. Among the many resort features that guests can enjoy are plexipave tennis courts (including a stadium court); a ten-thousand square-foot freshwater swimming pool and surrounding whirlpools; and a protected white sand lagoon. Activities include creative wellness programs, basketball, poolside ping-pong, beach volleyball, and other water activities including outrigger canoes.

Guests may start off their mornings with a tennis clinic, power walk and stretch, low-impact aerobic conditioning, or even a snorkel cruise. The 36-hole Francis H. I'i Brown Golf Course is both challenging and spectacular, as it runs along ancient lava flows, native landmarks and the ocean coastline. The Spa Without Walls offers a variety of spa and massage treatments in private, ocean-side cabanas. The Fitness Center is accessible 24/7.

The Orchid's Keiki Aloha (children's program) utilizes the hotel's oceanside location and enables its young guests to learn more about Hawaii and share in the aloha spirit.

Children ages five through twelve (who are staying with their parents at the hotel) can participate in a wide range of complimentary activities, including Hawaiian storytelling, hula lessons, coconut-leaf weaving and other island arts & crafts. Prices vary with half-day or full-day programs. The resort also offers a children's menu (ages twelve and under) in all dining rooms.



Hotel Reservations

Call Toll Free: 800-845-9905

To ensure the conference rates on the next page, you must make your reservation with the hotel directly, using the phone number above or weblink listed below.

When making your accommodation decisions, please take into consideration that staying at the host hotel helps UCSF meet its contractual obligations and keeps registration fees reasonable.

Join the Fairmont President's Club (free) *prior to arrival* to **receive complimentary in-room internet** during your stay (\$15 per day). Log onto: www.fairmont.com/fpc

BODY IMAGING: JAN 17-22

Reservation deadline: Wed. Dec. 16, 2015

Or reserve online [https://](https://resweb.passkey.com/go/ucsfbody0116)

resweb.passkey.com/go/ucsfbody0116

NEURO & SKELETAL: FEB 7-11

Reservation deadline: Thr., Jan. 6, 2016

Or reserve online [https://](https://resweb.passkey.com/go/ucsfneuro0216)

resweb.passkey.com/go/ucsfneuro0216

<i>January Rates</i>	<i>No additional resort fee!</i>	<i>February Rates</i>
\$326	Single/Double Fairmont Room	\$334
\$371	Partial Ocean View	\$380
\$394	Guaranteed Ocean View	\$404
\$630	Garden View Executive Suite	\$645
\$732	Ocean View Executive Suite	\$750
\$890	Ocean Front Suite	\$912



Make your reservation early as rooms will likely sell-out before the cut-off date, you must mention the UCSF meeting to receive the group rates listed above. Reservation requests made after these deadlines will be extended at the conference rates on a space-available basis only. A credit card number is required to guarantee your reservation.

Rates exclude state hotel room tax of 13.416% (subject to change). Reservations cancelled at least 30 days prior to arrival will incur no cancellation charges; between 29 and 3 days prior to arrival will be charged a two-nights stay (plus taxes); less than 72 hours prior to arrival and no-shows will be charged five-nights stay (plus taxes).

There is no additional charge for children under the age of 18 who share with their parents. The maximum number of persons per room is 3 adults or 2 adults with 2 children. Third adult charge is \$75 per night. Daily parking rates for 2015 are \$17 for self parking, \$22 for valet (rates subject to change for 2016).



Michael Linver, MD

Air Travel

UCSF Radiology has negotiated fare discounts of up to 5% off coach fare and 10% off first class with United, Delta and Hawaiian Airlines for radiology course attendees. Please book online or call the meetings desk directly, using the codes below (Delta and United both charge a fee for phone bookings):

Airport code = KOA. Website = <http://hawaii.gov/koa>

<i>Airline</i>	<i>Contact</i>	<i>Code</i>
Delta	www.delta.com 800-328-1111	NMLQD
United	www.united.com 800-426-1122	ZVGJ386709
Hawaiian	800-367-5320	AMUCSFRPE

Book your flight with Hawaiian Airlines online using the UCSF Radiology Preferred Affiliate weblink: www.hawaiianair.com/affiliate/affiliate.aspx?affcode=AMUCSFRPE

When you book online using the full Preferred Affiliate weblink, Hawaiian will waive the fee for a second checked bag *in addition* to the fare discount.

Rental Cars

Hertz 800-654-2240 or www.hertz.com

CV# 01SY0262 Body Imaging / Neuro & Skeletal

Arrangements have been made with Hertz Car Rental for special rates during these UCSF meetings, as well as one week before and after this meeting, on all of the Hawaiian Islands. Advance reservations are recommended. Call the Hertz Convention Desk; be sure to tell the agent the meeting name and CV# listed above.



Luau
Fireknife



