

SAN DIEGO MARRIOTT, LA JOLLA, CA / AUGUST 5-9, 2015

UCSD/UCSF MUSCULOSKELETAL MRI 3-DAY INTENSIVE / 2-DAY OPTIONAL WORKSHOP



UCSD/UCSF MUSCULOSKELETAL MRI

SAN DIEGO MARRIOTT / LA JOLLA, CALIFORNIA

GENERAL SESSION / August 5–7, 2015

This three-day course will present a comprehensive state-of-the-art update on different aspects of musculoskeletal MR imaging, including a discussion of optimized protocols with 1.5T and 3T MR units. Attendees will better understand the ACR Appropriateness Criteria and how to apply them to the various clinical situations they encounter in everyday practice.

Course content will help attendees distinguish between when to utilize MRI (with or without contrast), MR arthrography, or a combination of both. The lectures on knee and shoulder imaging will address the various clinical scenarios (post-traumatic and post-operative) and help the attendee order the most appropriate imaging study that will produce maximum imaging quality while minimizing radiation exposure.

The course will also update attendees of emerging technologies -- such as 3T, ultra-short TE sequences, and 3D imaging -- and enable them to evaluate the pros & cons, and in turn make informed utilization and purchasing decisions when integrating new equipment into an existing practice.

This course will provide **3 Self-Assessment credits** (SA-CME) in Musculoskeletal. All SAMs are free with the registration fee (included at no additional charge). 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.

By the completion of the **general session**, attendees should be able to:

1. Be familiar with requirements for shoulder and knee MRI from the perspective of the orthopedic surgeon;
2. Use optimized protocols for imaging of the musculoskeletal system, including protocols used to suppress metal hardware in patients with joint replacements, evaluate neuromuscular disorders such as nerve entrapment, and understand the indications for MR arthrography;
3. Understand the MRI anatomy of the elbow, shoulder, hip, knee and ankle;
4. Identify abnormalities of the joints, muscles, bone marrow and cartilage on MRI and clinical correlations;
5. Understand the current concepts and staging of MR abnormalities in stress injury of bone;
6. Be familiar with image-guided diagnostic and therapeutic joint injections;
7. Correlate the imaging findings on MR with arthroscopic findings and understand the surgical approach to common injuries of the meniscus, knee ligaments and shoulder labrum.



Enrollment

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

Pre-register by June 5, 2015 and save \$75 on your enrollment fee.

General Session: \$1,200 for all medical professionals; **Workshop:** \$1,200.

Registration discounts are available for qualifying attendees, please review the registration form on page 11.

ON-SITE REGISTRATION

Wednesday, August 5, 2015 at 7:30 am
San Diego Marriott – La Jolla, California

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.

OPTIONAL WORKSHOP / August 8–9, 2015

Separate registration required, limited to 15 persons

This two-day optional session will highlight select cases emphasizing common conditions of the major joints. The corresponding MR imaging findings will in-turn illustrate the required protocols, imaging strategies, key findings, and points of differential diagnosis relevant to each case. Short didactic lectures will be intermixed with the case-oriented approach, allowing for a thorough review of image findings that lead to the final diagnosis.

Cases will be distributed to registrants prior to the start of the course, so they will have the opportunity to preview them to determine preferred diagnoses beforehand. These cases will then be analyzed by a faculty member in a “real-time” scenario, just as if the case had been submitted for interpretation in the reading room. Pertinent findings will be outlined and discussed, image by image. Each case discussion will include relevant arthroscopic and surgical data, and conclude with questions and discussion.

By the completion of the **workshop session**, attendees should be able to:

1. Implement a systematic approach to interpretation of MR of major joints utilizing a standardized format for evaluating MR imaging.
2. Outline the major anatomic structures that should be routinely assessed when reviewing MR of the injured knee, shoulder, hip and ankle.
3. Understand the rationale for the standard imaging protocols employed for assessment of joints in order to optimize their own imaging protocols.

COURSE CO-CHAIRS

Mini N. Pathria, MD

Professor of Radiology
UC San Diego School of Medicine

Lynne S. Steinbach, MD

Professor of Radiology and Orthopaedics
UC San Francisco School of Medicine

UC SAN DIEGO FACULTY

Suraj A. Achar, MD

Professor of Family and Preventive
Medicine

Eric Chang, MD

Assistant Professor of Radiology

Karen C. Chen, MD

Assistant Professor of Radiology

Christine B. Chung, MD

Professor of Radiology

Jerry R. Dwek, MD

Assistant Professor of Radiology

Evelyne Fliszar, MD

Associate Professor of Radiology

Brady K. Huang, MD

Assistant Professor of Radiology

Tudor H. Hughes, MD, MBBS, FRCR

Professor of Radiology

Donald L. Resnick, MD

Professor of Radiology
Chief, Musculoskeletal Imaging

Catherine M. Robertson, MD

Assistant Professor of Orthopaedics

Matthew J. Sharp, MD

Assistant Professor of Radiology

Edward Smitaman, MD

Assistant Professor of Radiology

Christopher J. Wahl, MD

Associate Professor of Orthopaedic Surgery
Chief, Sports Medicine

UC SAN FRANCISCO FACULTY

Matthew D. Bucknor, MD

Assistant Professor of Radiology

Daria Motamedi, MD

Assistant Professor of Radiology

Thomas M. Link, MD, PhD

Professor of Radiology
Chief, Musculoskeletal Imaging

Accreditation General Session

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 **21.25 AMA PRA Category 1 Credits.**[™] Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Total credits are inclusive of 21.25 in MRI

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

General Session Program

WEDNESDAY / AUGUST 5, 2015

Moderator: Mini N. Pathria, MD

7:30 am	Registration and Continental Breakfast	
7:55	Welcome and Introductions	Drs. M. Pathria, L. Steinbach
8:00	Ankle: Critical Tendons	Donald L. Resnick, MD
8:45	Ankle: Critical Ligaments	Donald L. Resnick, MD
9:30	Questions & Discussion	Faculty
9:45	Recess	
10:00	Physical Examination in Sports Medicine: What Do Those Tests Really Mean?	Suraj A. Achar, MD
11:00	<i>Hot Topic</i> Greater Trochanteric Pain Syndrome	Mini N. Pathria, MD
11:20	<i>Hot Topic</i> Femoroacetabular Impingement	Karen C. Chen, MD
11:40	<i>Hot Topic</i> Athletic Pubalgia	Mini N. Pathria, MD
12:00 pm	Recess	

Moderator: Lynne S. Steinbach, MD

1:30	Rotator Cuff	Donald L. Resnick, MD
2:15	Glenohumeral Joint: Instability	Donald L. Resnick, MD
3:00	<i>Hot Topic</i> MRI of the Shoulder: Adhesive Capsulitis	Lynne S. Steinbach, MD
3:20	Recess	
3:30	SAM MRI of the Postoperative Shoulder	Lynne S. Steinbach, MD
4:30	<i>Rapid Fire</i> Rotator Interval	Christine B. Chung, MD
4:40	<i>Rapid Fire</i> Pectoralis Major Lesions	Christine B. Chung, MD
4:50	Questions & Discussion	Faculty
5:00	Adjourn	

THURSDAY / AUGUST 6, 2015

Moderator: Mini N. Pathria, MD

6:30 am	Continental Breakfast	
7:00	Imaging Arthroscopy	Drs. C Wahl, C. Robertson, N. Pathria, B. Huang
8:30	Arthroscopy of Sports-Related Articular Injury: Correlation with MR Imaging	Christopher J. Wahl, MD Catherine M. Robertson, MD
9:30	Questions & Discussion	Faculty
9:45	Recess	
10:00	Cartilage Imaging	Thomas M. Link, MD, PhD
10:45	Pediatric Musculoskeletal Injuries	Jerry R. Dwek, MD
11:30	<i>Rapid Fire</i> Plica Syndromes	Edward Smitaman
11:40	<i>Rapid Fire</i> Sacroiliac Joint	Mini N. Pathria, MD
11:50	<i>Rapid Fire</i> Calcific Tendonitis	Edward Smitaman, MD
12:00 pm	Recess	

General Session Program

THURSDAY / AUGUST 6, 2015

Moderator: Mini N. Pathria, MD

1:30	SAM MRI of the Elbow	Christine B. Chung, MD
2:30	<i>Hot Topic</i> Insufficiency Fractures	Thomas M. Link, MD, PhD
2:50	<i>Hot Topic</i> Fatigue Fractures in the Athlete	Mini N. Pathria, MD
3:10	<i>Hot Topic</i> Avascular Necrosis Update	Evelyne Fliszar, MD
3:30	<i>Hot Topic</i> Interesting Cases	Evelyne Fliszar, MD
3:50	Questions & Discussion	Faculty
4:00	Adjourn	

FRIDAY / AUGUST 7, 2015

Moderator: Donald L. Resnick, MD

7:30 am	Continental Breakfast	
8:00	MRI of the Wrist: Tendons and Ligaments	Christine B. Chung, MD
8:45	MRI of the Thumb and Fingers	Christine B. Chung, MD
9:30	<i>Hot Topic</i> High Resolution MRI of TFCC Tears with Arthroscopic Correlation	Daria Motamedi, MD
9:45	Recess	
10:00	SAM MR of the Meniscus	Donald L. Resnick, MD
11:00	<i>Hot Topic</i> Patellar Tracking Dysfunction	Tudor H. Hughes, MD, MBBS
11:20	<i>Hot Topic</i> MRI of Postoperative ACL	Brady K. Huang, MD
11:40	<i>Hot Topic</i> MRI of Joint Arthroplasty	Matthew D. Bucknor, MD
12:00 pm	Recess	

Moderator: Matthew D. Bucknor, MD

1:30	Multimodality Imaging of Anterior Knee Pain	Daria Motamedi, MD
2:15	Arthroscopy Imaging Correlation	Matthew J. Sharp, MD
3:15	Questions & Discussion	Faculty
3:30	Recess	
3:45	MR Neurography for Peripheral Nerve Disease	Matthew D. Bucknor, MD
4:30	<i>Rapid Fire</i> Cubital Tunnel Syndrome	Tudor H. Hughes, MD, MBBS
4:40	<i>Rapid Fire</i> Posterior Interosseous Nerve Syndrome	Tudor H. Hughes, MD, MBBS
4:50	<i>Rapid Fire</i> Carpal Tunnel Syndrome	Mini N. Pathria, MD
5:00	Adjourn	

Workshop Program (Optional)

Limited to 15 participants, separate registration

SATURDAY / AUGUST 8, 2015

Moderator: Donald L. Resnick, MD

7:30 am	Registration and Continental Breakfast	
7:55	Welcome and Introductions	Donald L. Resnick, MD
8:00	Lower Extremity: MR Techniques and Protocols	Donald L. Resnick, MD
8:45	Case-based Learning	Brady K. Huang, MD
9:45	Recess	
10:00	Case-based Learning	Eric Chang, MD
11:00	Case-based Learning	Matthew J. Sharp, MD
12:00 pm	Recess	
1:30	Arthrography: Technique and Indications	Tudor H. Hughes, MD, MBBS
2:30	Case-based Learning	Brady K. Huang, MD
3:30	Case-based Learning	Eric Chang, MD
4:30	Summary and Review	Donald L. Resnick, MD
5:00	Adjourn	

SUNDAY / AUGUST 9, 2015

Moderator: Donald L. Resnick, MD

7:30	Continental Breakfast	
8:00	Upper Extremity: MR Techniques and Protocols	Donald L. Resnick, MD
8:45	Case-based Learning	Eric Chang, MD
9:45	Recess	
10:00	Case-based Learning	Brady K. Huang, MD
11:00	Case-based Learning	Edward Smitaman, MD
12:00 pm	Recess	
1:30	Superior Labrum: Variant or SLAP Lesion?	Donald L. Resnick, MD
2:00	Case-based Learning	Brady K. Huang, MD
3:00	Case-based Learning	Eric Chang, MD
4:00	Adjourn	

Accreditation Workshop (Optional)

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 **13.5 AMA PRA Category 1 Credits.**[™] Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Total credits are inclusive of 13.5 in MRI.

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



La Jolla Cove

La Jolla, California

With a dramatic coastline boasting spectacular views, it's no surprise that La Jolla is one of the most popular beach destinations in California. Surrounded on three sides by the sea and backed by the steep slopes of Mt. Soledad, La Jolla's coastal profile and quaint village lifestyle evokes a Mediterranean feel.

With a unique microclimate that rarely drops below 50 degrees or exceeds 90 degrees, combined with unmatched natural beauty, an upscale casual vibe and world-class attractions, La Jolla lives up to its nickname as "the jewel" of San Diego.

Home to the famous Torrey Pines Golf Course, the area also offers well-groomed hiking trails with spectacular views. Along the dramatic coastline lies Scripps Park, where families can picnic throughout the summer. There are plenty of cultural attractions to visit in La Jolla, with the Birch Aquarium at Scripps, La Jolla Playhouse and the Museum of Contemporary Art all situated in close proximity to the Village.

La Jolla's biggest draw for locals and tourists alike, are the beaches. During the summer and autumn months, the surf is relatively gentle, with warm waters in 70s. Swimmers, snorkelers, scuba divers and surfers can enjoy the local beaches at La Jolla Shores, the Cove and Windansea.



La Jolla Cove



Birch Aquarium



Museum of Contemporary Art



Accommodations

San Diego Marriott, La Jolla
4240 La Jolla Village Drive, La Jolla CA 92037

Book Online: www.marriott.com/hotels/travel/sanlj
with promo code: musmusa

US Toll-Free: 888-236-2427 or 858-587-1414

Run of House Deluxe Room: \$ 189 (no resort fee)

Reservation deadline: July 6, 2015

The conference room rates are offered from
August 3–12 (depending on availability).

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.

Room rate includes: in-room internet and use of the fitness center.

The Marriott La Jolla has reserved a limited block of rooms at special room rates for this conference. You may book online, or call the hotel and mention that you are attending the UCSF Radiology course to receive the discounted rates.

Conference rates for reservation requests made after the above deadline cannot be guaranteed and will be extended on a space and rate-available basis only. A credit card number is required to confirm your reservation.

Nightly self-park \$15 for conference registrants (nightly valet is \$28). Rates are subject to 12.5% occupancy tax and \$0.15 nightly Tourism fee. Maximum four adults per room. Check-in is 4 pm, check-out is 12 noon. Cancellation deadline is 24 hours prior to scheduled arrival to avoid penalties, after which a one-night stay will be charged. Early departures not notified at check-in will be charged for the full stay.



Air Travel

UCSF Radiology has negotiated special fares with United and Delta Airlines for radiology course attendees. The San Diego airport (SAN) is 15 miles south of the Marriott La Jolla. To ensure the group discount, please book with the airlines directly using the codes below:

United	www.united.com Code: ZSN9112526	800-426-1122 (\$25 booking fee via phone)
Delta	www.delta.com Code: NMJNW	800-328-1111



Coronado Bridge

Car Rental

Hertz www.hertz.com
800-654-2240 / CV# 01SY0259

Arrangements have been made with Hertz Car Rental for special rates from one week prior to after the meeting dates. Book online or by phone using the number and discount code listed above.



San Diego Zoo



SD Museum of Art



REGISTRATION

UCSD/UCSF MUSCULOSKELETAL MRI (RAD16 002)

August 5–9, 2015 / San Diego Marriott – La Jolla, California

Early Enrollment Deadline: Friday, June 5, 2015

Four easy ways to register:

1. **Online** at www.cme.ucsf.edu
2. **Mail** this form to UCSF Office of CME, PO Box 45368, San Francisco, CA 94145–0368
3. **Phone** using Visa, Amex or Mastercard. 415–476–5808, 8:30 am–4:00 pm (*Pacific Time*)
4. **Fax** this form to 415–502–1795

REGISTRANT INFORMATION (PLEASE PRINT)

Name _____
First Last Degree

Address _____

Tel _____ Fax _____
Area Code Area Code

E-mail _____

You must provide your email address to receive advance syllabus information.

Paper copies will not be provided on site.

Would you like to receive general UCSF Radiology CME email notices? ☐ Yes ☐ No

Month/Day of Birth for record verification: _____ / _____ / X X
month day

COURSE REGISTRATION

By 6/5/15 After 6/5/15 Loyalty Discount applies only to live courses attended (not home-study)

☐ \$1,125	☐ \$1,200	Standard Registration	no UCSF Rad paid course 2014 cal year
☐ \$1,005	☐ \$1,080	Silver Status 10% discount	1 UCSF Rad paid course 2014 cal year
☐ \$ 885	☐ \$ 960	Gold Status 20% discount	2 UCSF Rad paid courses 2014 cal year
☐ \$ 765	☐ \$ 840	Platinum Status 30% disc	3 UCSF Rad paid courses 2014 cal year

Daily Fee \$400 per: ☐ 8/5 Wed ☐ 8/6 Thr ☐ 8/7 Fri (*no discounts, cancellation policy applies*).

☐ Optional Workshop Aug. 8–9: \$ 1,200 (*both days, no single-day registration, no discounts, limited to 15 persons, cancellation policy applies*)

METHOD OF PAYMENT

☐ Visa ☐ Mastercard ☐ American Express ☐ Check, payable to **UC Regents**.

Card No. _____

Exp. Date _____ Signature _____

Payment may be made by credit card or by check or money order drawn on a U.S. bank in U.S. currency. We regret that we cannot accept checks drawn on foreign banks. Enrollment confirmation will be mailed to you within two weeks of receipt of the application. In the unlikely event that the program is cancelled, UCSF Radiology will refund the registration fee in full, but cannot be responsible for any hotel or travel costs.

Cancellation A refund of the enrollment fee, less \$75, will be made upon receipt of a written request only by Friday, July 17, 2015. No refunds will be made after this date.

RAD16 002

UPCOMING CME CONFERENCES

View, print brochures, and register online:

www.radiology.ucsf.edu/postgrad

*Program dates, topics, and locations are **subject to change** prior to brochure publication.*

Mar 13–15 2015	Breast Imaging Update	San Francisco, CA
May 17-22	Imaging on the California Coast	Santa Barbara, CA
May 28–30	Virtual Colonoscopy Workshop	San Francisco, CA
Jun 15–19	Imaging Down Under	Sydney, Australia
Aug 5–9	Musculoskeletal MRI & Workshop	San Diego, CA
Aug 24–28	UCSF Radiology Clinical Highlights	San Francisco, CA
Sep 14–18	Interventional Radiology Review	San Francisco, CA
Sep 17–19	Virtual Colonoscopy Workshop	San Francisco, CA
Nov 1–6	Imaging Update on the Valley Isle	Maui, HI
Nov 9–13	Breast and Women's Imaging	Palm Springs, CA
Dec 6–11	Imaging Warm-up in Costa Rica	Playa Herradura, CR
Jan 10–15 2016	Breast Imaging & Emerging Technologies	Kona, HI
Jan 17–22	Body Imaging Update	Kona, HI
TBD	Musculoskeletal MR Imaging	Palm Springs, CA
TBD	Abdominal & Pelvic Imaging	Palm Springs, CA
Feb 7–12	Neuro & Musculoskeletal Imaging	Kona, Hawaii
Feb 28–Mar 4	Annual Review: Comprehensive	San Francisco, CA
Mar 3–5	Breast Imaging Update	San Francisco, CA

ADDRESS CHANGES: To facilitate change-of-address, please return the full mailing panel and do not cross out the original address. Thank you.

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UCSF

UCSD/UCSF MUSCULOSKELETAL MRI

AUGUST 5–9, 2015 / San Diego, California

This course is self-supporting and receives no state funding.

