

UCSF Radiology Annual Review: Comprehensive Imaging

April 1-5, 2019

Holiday Inn Golden Gateway / San Francisco, California

CME Credits: 34.5

SAM Credits: 27.5

includes Rapid-Fire, High-Yield Cases Sessions



UCSF Radiology Annual Review

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UCSF Department of Radiology
and Biomedical Imaging
<https://radiology.ucsf.edu/cme>

Outline

The Department of Radiology at the University of California San Francisco is proud to present its Annual Review course. This comprehensive radiology overview is appropriate for residents, clinical fellows and practicing radiologists interested in updating their working knowledge, by covering all the major radiology subspecialties. The course is designed to represent the breadth and depth of experience from each of UCSF Radiology's subspecialty sections, with presentations by faculty who are recognized for their clinical knowledge and dedication to teaching.

This course will review the fundamentals of the major organ systems and corresponding imaging modalities. Emphasis will be placed on providing a step-by-step process for reaching a differential diagnosis. Lecture content will focus on comparative analysis and key factors that promote accurate diagnosis by the radiologist in clinical practice. Formal didactic lectures will be combined with unknown case sessions, in order to give the attendee a thorough review of radiology fundamentals and terminology, as well as exposure to a cross-section of topical and clinically relevant interesting cases.

The course will include the following "non-Interpretive" lectures that are essential to general clinical radiology practice: CT/MR Safety, Ultrasound Technical Tips & Artifacts, IV Contrast, Practical CT/MR Physics.



Objectives

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

1. Identify imaging fundamentals of each of the radiology sub-specialties (organ systems);
2. Prescribe the appropriate utilization of imaging modalities (CT, MR, US, Mammography, Nuc Med) for different medical conditions;
3. Implement the appropriate imaging protocols for routine clinical presentations;
4. Recognize indications and markers for interventional procedures, as well as assessment of outcomes;
5. Apply classifications of pathophysiological mechanisms underlying human disease to facilitate differential diagnosis;
6. Refine imaging criteria to optimize image quality/findings and improve diagnostic interpretation.

Schedule at-a-Glance

	<u>Morning</u>	<u>Afternoon</u>
<i>Monday</i>	Gastrointestinal	Genitourinary
<i>Tuesday</i>	Thoracic	Breast
<i>Wednesday</i>	Pediatrics	Nuc Med / Interventional
<i>Thursday</i>	Ultrasound	Cardiac / Physics / Safety
<i>Friday</i>	Neuro	Musculoskeletal

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Registration

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

Save \$75 when pre-registering by February 1, 2019.

TUITION \$1,395 for all medical professionals. Registration discounts are available for qualifying attendees, the registration form on the last page.

Save \$50 per person when three or more residents from the same medical institution pre-register for this course! Group discount requests must be mailed or faxed (form on last page). Applications must be received simultaneously to qualify; discounts will not be offered retroactively.

You must provide an email address to receive advance course and syllabus information.



Accreditation

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 **34.5 AMA PRA Category 1 Credits™**.

Physicians should claim only the credits commensurate with the extent of their participation in the activity.

The total credits are inclusive of 12.25 in CT, 10.25 in MR, 5.75 in Ultrasound, 3.0 in Breast Imaging, and 2.0 in Nuclear Medicine (PET).

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

ABR Self-Assessment (SAM) Credits ^{SA}

A total of **27.5** Self-Assessment Activities (SAM) will be offered for each of the subspecialties listed below (pending approval and subject to change). Quiz questions will be included in the lectures indicated with "SA" on the schedule.

2.00 in Breast	3.25 in Gastrointestinal	2.50 in Neuro
3.00 in Ultrasound	2.50 in Genitourinary	1.00 in Nuc Med
4.50 in Thoracic	2.25 in Musculoskeletal	2.50 in Pediatrics
2.00 in Interventional	2.00 in Non-Interpretive Skills	

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. For further information: www.theabr.org.

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Faculty are affiliated with UCSF Medical Center unless indicated otherwise.

David M. Naeger, MD

Course Co-Chair

Associate Professor of Clinical Radiology
Associate Chair for Education

Elissa R. Price, MD

Course Co-Chair

Associate Professor of Clinical Radiology

Arthur H. Baghdanian, MD

Assistant Professor of Radiology

Armonde A. Baghdanian, MD

Assistant Professor of Radiology

Robert D. Boutin, MD

Professor of Clinical Radiology
UC Davis School of Medicine

Matthew D. Bucknor, MD

Assistant Professor of Radiology

Soonmee Cha, MD

Professor of Radiology
Vice-Chair of Education
Director, Radiology Residency Program
Director, Spine Intervention

Jesse Courtier, MD

Associate Clinical Professor of Radiology

Vickie A. Feldstein, MD

Professor of Clinical Radiology,
and of Obstetrics, Gynecology and
Reproductive Sciences

Robert R. Flavell, MD, PhD

Assistant Professor of Radiology

Heather I. Greenwood, MD

Assistant Professor of Radiology

Jessica H. Hayward, MD

Assistant Professor of Radiology

Travis S. Henry, MD

Associate Professor of Radiology

Michael D. Hope, MD

Associate Professor of Radiology
Chief, Radiology Services
Veterans Affairs Medical Center

Thomas A. Hope, MD

Associate Professor of Radiology

Eugene J. Huo, MD

Assistant Professor of Radiology

Priyanka Jha, MBBS

Assistant Professor of Radiology

Kimberly G. Kallianos, MD

Assistant Professor of Radiology

Tatiana Kelil, MD

Assistant Professor of Clinical Radiology

Ryan M. Kohlbrenner, MD

Assistant Professor of Radiology

K. Pallav Kolli, MD

Assistant Professor of Radiology

Amie Y. Lee, MD

Assistant Professor of Radiology

Evan D. Lehrman, MD

Assistant Professor of Clinical Radiology

Thomas M. Link, MD, PhD

Professor of Radiology
Chief, Musculoskeletal Imaging

R. Peter Lokken, MD

Assistant Professor of Radiology

John D. MacKenzie, MD

Associate Professor of Radiology
Chief, Pediatric Imaging

John T. Mongan, MD, PhD

Assistant Professor of Radiology

Tara A. Morgan, MD

Assistant Professor of Radiology

Daria Motamedi, MD

Assistant Professor of Radiology

Michael A. Ohliger, MD, PhD

Associate Professor of Radiology

Rina P. Patel, MD

Assistant Professor of Radiology

Andrew S. Phelps, MD

Associate Professor of Radiology

Liina Poder, MD

Professor of Clinical Radiology, and of
Obstetrics, Gynecology and Reproductive
Sciences
Director, Ultrasound

Vinil N. Shah MD

Assistant Professor of Radiology

Dorothy J. Shum, MD

Associate Professor of Radiology

Ramya Srinivasan, MD

Assistant Professor of Radiology

Lori M. Strachowski, MD

Professor of Radiology, and of Obstetrics,
Gynecology and Reproductive Sciences
Chief, Ultrasound
Zuckerberg SF General Hospital

Derek Sun, MD

Assistant Professor of Radiology

Jason F. Talbott, MD, PhD

Assistant Professor of Radiology

Alina Uzelac, DO

Associate Clinical Professor of Radiology

Javier Villanueva-Meyer, MD

Assistant Professor of Radiology

Emily M. Webb, MD

Professor of Clinical Radiology

Esther L. Yuh, MD, PhD

Associate Professor of Radiology

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Course Program

Monday, April 1, 2019

7:15 am Registration and Continental Breakfast

Gastrointestinal

8:00 am	Pancreatic Tumors and Mimics ^{SA}	Emily M. Webb, MD
8:45	CT/MR of the Acute Abdomen ^{SA}	Derek Sun, MD
9:30	Splenic Masses ^{SA}	Emily M. Webb, MD
9:55	Recess	
10:15	Biliary Tract ^{SA}	Arthur H. Baghdanian, MD
10:45	Liver Disease ^{SA}	Thomas A. Hope, MD
11:15	Fluoroscopy ^{SA}	Arthur H. Baghdanian, MD
11:45	Adjourn	

Genitourinary

1:00 pm	Benign Gynecologic Disease ^{SA}	Liina Poder, MD
1:25	Malignant Gynecologic Disease ^{SA}	Michael A. Ohliger, MD, PhD
1:55	Non-Tumorous Renal Disease ^{SA}	Priyanka Jha, MBBS
2:35	Recess	
2:55	Renal & Adrenal Masses ^{SA}	Armonde A. Baghdanian, MD
3:35	Bladder, Prostate, Urethra ^{SA}	Derek Sun, MD
4:00	Rapid-Fire Cases: GI/GU	Eugene Huo, MD
5:00	Adjourn	

^{SA} Lecture includes Self-Assessment (SA-CME).

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Course Program

Tuesday, April 2, 2019

7:15 am Continental Breakfast

Thoracic, Pulmonary

8:00 am	Idiopathic Interstitial Pneumonias ^{SA}	Travis S. Henry, MD
8:30	Diffuse Nodular Disease ^{SA}	Travis S. Henry, MD
8:50	Small Airways Disease ^{SA}	Travis S. Henry, MD
9:10	Mediastinal Masses ^{SA}	David M. Naeger, MD
9:30	CT/PET of Pulmonary Nodules ^{SA}	David M. Naeger, MD
10:00	Recess	
10:20	Pleura ^{SA}	Travis S. Henry, MD
10:40	Lung Cancer Staging ^{SA}	David M. Naeger, MD
11:00	Rapid-Fire Cases: Thoracic	David M. Naeger, MD
11:45	Adjourn	

Breast

1:00 pm	Non-Calcified Manifestations of Breast Cancer ^{SA}	Elissa R. Price, MD
1:25	Calcifications ^{SA}	Heather I. Greenwood, MD
1:55	Breast MRI ^{SA}	Tatiana Kelil, MD
2:20	Radiology-Pathology Concordance ^{SA}	Amie Y. Lee, MD
2:45	Recess	
3:05	Breast Ultrasound ^{SA}	Jessica H. Hayward, MD
3:30	Rapid-Fire Cases: Ultrasound / ObGyn	Lori M. Strachowski, MD
4:15	Rapid-Fire Cases: Breast.....	Lori M. Strachowski, MD
5:00	Adjourn	

^{SA} Lecture includes Self-Assessment (SA-CME).

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Course Program

Wednesday, April 3, 2019

7:15 am Continental Breakfast

Pediatrics

8:00 am	Building Blocks of Pediatric Musculoskeletal Imaging ^{SA}	John D. MacKenzie, MD
8:30	Pediatric Chest Imaging: What Not-to-Miss ^{SA}	John D. MacKenzie, MD
8:50	Pediatric Appendix: Non-radiation Evaluation ^{SA}	Jesse Courtier, MD
9:20	Pediatric Scrotal Imaging: The "Ts" ^{SA}	Jesse Courtier, MD
9:40	Recess	
10:00	Updates in Non-Accidental Trauma ^{SA}	Andrew S. Phelps, MD
10:30	Important Pediatric Abdominal Masses ^{SA}	Andrew S. Phelps, MD
11:00	Rapid-Fire Cases: Pediatrics	Andrew S. Phelps, MD
11:30	Adjourn	

Nuclear Medicine, Interventional

1:00 pm	PET Artifacts and Incidentalomas ^{SA}	Robert R. Flavell, MD, PhD
1:30	Rapid-Fire Cases: General Nuc Med	Robert R. Flavell, MD, PhD
1:50	When PET Has Low Sensitivity ^{SA}	David M. Naeger, MD
2:20	Rapid-Fire Cases: General Nuc Med	David M. Naeger, MD
2:40	Recess	
3:00	Vascular Diagnosis and Interventions ^{SA}	Ryan M. Kohlbrenner, MD
3:20	GI/GU Interventions ^{SA}	Ryan M. Kohlbrenner, MD
3:40	Percutaneous Biopsies ^{SA}	R. Peter Lokken, MD
4:00	Portal and Biliary Interventions ^{SA}	R. Peter Lokken, MD
4:20	Interventional Oncology ^{SA}	Evan D. Lehrman, MD
4:40	Interventions in Women's Imaging ^{SA}	Evan D. Lehrman, MD
5:00	Adjourn	

^{SA} Lecture includes Self-Assessment (SA-CME).

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Course Program

Thursday, April 4, 2019

7:15 am Continental Breakfast

Ultrasound / ObGyn

8:00 am	Abdominal Ultrasound ^{SA}	Tara A. Morgan, MD
8:20	Key Points for Thyroid Imaging and Biopsy ^{SA}	Tara A. Morgan, MD
8:40	Female Pelvis: Uterus/Adnexa ^{SA}	Liina Poder, MD
9:00	Key Points in the First Trimester ^{SA}	Liina Poder, MD
9:20	Recess	
9:40	Key Points in the Second Trimester ^{SA}	Vickie A. Feldstein, MD
10:10	Most Relevant Fetal Anomalies ^{SA}	Vickie A. Feldstein, MD
10:40	Vascular Ultrasound ^{SA}	Dorothy J. Shum, MD
11:00	Genitourinary Ultrasound ^{SA}	Priyanka Jha, MBBS
11:30	Adjourn	

Cardiac, Physics, Safety

1:00 pm	Imaging of the Heart: Top 10 Diagnoses ^{SA}	Kimberly G. Kallianos, MD
1:45	Vascular Diseases of the Thorax ^{SA}	Michael D. Hope, MD
2:15	IV Contrast Use Update ^{SA}	K. Pallav Kolli, MD
2:45	Recess	
3:05	Practical Physics for the Radiologist: CT ^{SA}	Michael A. Ohliger, MD, PhD
3:30	Ultrasound Technical Tips/Artifacts ^{SA}	John T. Mongan, MD, PhD
3:50	Practical Physics for the Radiologist: MR ^{SA}	Michael A. Ohliger, MD, PhD
4:25	Playing it Safe: What You Need to Know ^{SA}	John T. Mongan, MD, PhD
	About CT/MR Safety	
4:45	Adjourn	

^{SA} Lecture includes Self-Assessment (SA-CME).

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Course Program

Friday, April 5, 2019

7:15 am Continental Breakfast

Neuro

8:00 am	Brain Tumors ^{SA}	Soonmee Cha, MD
8:40	Intracranial Hemorrhage ^{SA}	Esther L. Yuh, MD, PhD
9:10	Brain Infections ^{SA}	Jason F. Talbott, MD, PhD
9:40	Recess	
10:00	Spine Masses ^{SA}	Vinil N. Shah, MD
10:30	Head & Neck Masses ^{SA}	Alina Uzelac, DO
11:00	Rapid-Fire Cases: Neuro	Javier Villanueva-Meyer, MD
11:45	Adjourn	

Musculoskeletal

1:00 pm	Shoulder MRI ^{SA}	Rina P. Patel, MD
1:25	Knee MRI ^{SA}	Ramya Srinivasan, MD
1:50	Arthritis and Infection ^{SA}	Thomas M. Link, MD, PhD
2:20	Metabolic ^{SA}	Robert D. Boutin, MD
2:45	Recess	
3:00	Tumors and Tumor-like Conditions ^{SA}	Robert D. Boutin, MD
3:30	Rapid-Fire Cases: Shoulder and Hip	Matthew D. Bucknor, MD
4:15	Rapid-Fire Cases: Knee.....	Daria Motamedi, MD
4:45	Adjourn	

^{SA} Lecture includes Self-Assessment (SA-CME).

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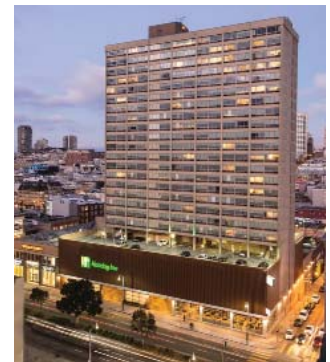
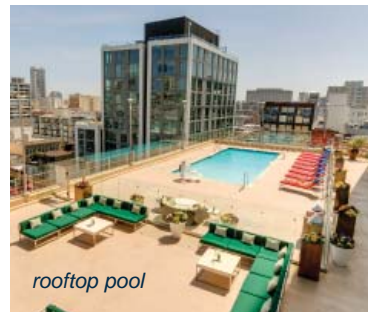
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Holiday Inn Golden Gateway

1500 Van Ness Avenue (at Pine), San Francisco, CA 94109
Toll-free: 866-272-7098 or 415-441-4000

Note that the group room block is sold out, and there is a citywide event this week and hotel rooms are at a premium. You may stay at the Holiday Inn at the going rate, or search for alternate accommodations. The Holiday Inn Golden Gateway is about a 10-15 minute bus ride west of the Union Square area between Montgomery and Powell Streets.

Registrants staying at the hotel will be automatically included in a drawing onsite for four attendees to receive **one complimentary room-night!** (minimum five-nights stay required).



Air Travel

https://radiology.ucsf.edu/cme/sf_travel

UCSF Radiology has negotiated discounted fares with Delta and United Airlines for radiology course attendees. You may use the following tour codes to book online or by phone:

Delta <http://tinyurl.com/www-delta-com-book>
code: KMS6F tel 800-328-1111

United <http://tinyurl.com/www-united-com-book>
code: ZKFT721044 tel 800-426-1122

Flights can be arranged to either San Francisco (SFO) or Oakland (OAK) airports. BART subway service (the least expensive transit option), shuttle vans and taxis are available from both airports to downtown San Francisco.

For more information on transit options to/from both SFO and OAK airports, visit:

SFO: www.flysfo.com OAK: www.oaklandairport.com

Hertz Car Rental

www.hertz.com / 800-654-2240 / code: CV# 01SY0265

A rental car is not necessary for your stay; however, there are several downtown Hertz locations for arranging day- or side-trips outside the city. Book online or call the Hertz Convention Desk using the phone number and meeting code listed above.

Daily Hotel Parking

The Holiday Inn Golden Gateway will charge a daily flat rate of \$30 for local UCSF course attendees (no in-&-out privileges, garage clearance is 5" 11").

Bay Area Rapid Transit (BART)

www.bart.gov

BART trains connect the cities surrounding San Francisco within the Bay Area, including SFO and OAK airports. BART travels to/from both SFO and OAK to the downtown SF underground transit stations along Market Street, and is the least expensive transit option.

Bay Area Trip Planner <http://transit.511.org>

Enter your origin and destination points to get public transit options (BART/MUNI), travel times and fare costs to/from both SFO and OAK.

City of SF Transportation

www.sfmta.com San Francisco Municipal Railway (MUNI)

SF MUNI operates buses, streetcars and the subway within the city. Weeklong passes, coupon booklets, and one-, three- and seven- day passports make getting around SF much easier and less expensive. For information on the types of services offered, passes, costs and ticket purchase locations, visit the website listed above. Note: always ask for a free transfer/fare receipt as proof of payment, in order to avoid fines/tickets. MUNI does *not* connect to either airport.

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REGISTRATION

UCSF RADIOLOGY ANNUAL REVIEW (RAD19 024)

April 1-5, 2019 / Holiday Inn Golden Gateway, San Francisco

Early Enrollment Deadline: Friday, February 1, 2019

Four easy ways to register:

1. Mail this form to UCSF Office of CME, 3333 California St - Suite 450, SF CA 94118
2. Phone using Visa, Amex or Mastercard. 415-476-5808, 8:30 am-4:00 pm (Pacific Time)
3. Online at <https://meded.ucsf.edu/cme/calendar>
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 2/1/19 After 2/2/19 Loyalty Discount applies only to live courses attended (not home-study)

- | | | | |
|-------------------------------|-------------------------------|-----------------------------|--|
| <input type="radio"/> \$1,325 | <input type="radio"/> \$1,395 | Standard Registration | no UCSF Rad paid course 2018 cal year |
| <input type="radio"/> \$1,185 | <input type="radio"/> \$1,260 | Silver Status 10% discount | 1 UCSF Rad paid course 2018 cal year |
| <input type="radio"/> \$1,045 | <input type="radio"/> \$1,120 | Gold Status 20% discount | 2 UCSF Rad paid courses 2018 cal year |
| <input type="radio"/> \$ 905 | <input type="radio"/> \$ 980 | Platinum Status 30% disc | 3 UCSF Rad paid courses 2018 cal year |
| <input type="radio"/> \$1,000 | <input type="radio"/> \$1,075 | Resident Single discount | verification of resident status required |
| <input type="radio"/> \$ 950 | <input type="radio"/> \$1,025 | Resident Group discount, 3+ | must be submitted simultaneously |

Daily Fee: \$560 for 1 day, \$840 for 2 days (session 8:00 am to 5:00 pm)

(no discounts on daily rate, cancellation policy applies)

- | | | | | |
|-------------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|
| <input type="radio"/> 4/1 Mon | <input type="radio"/> 4/2 Tues | <input type="radio"/> 4/3 Wed | <input type="radio"/> 4/4 Thur | <input type="radio"/> 4/5 Fri |
| GI & GU | Chest/Breast | Peds/NucMed/IR | US/Physics/Safety | Neuro/Skel |

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 \$100, will be made upon receipt of a written request only by Friday, March 1, 2019. No refunds will be made after this date.