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

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

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<thead>
<tr>
<th></th>
<th>Morning</th>
<th>Afternoon</th>
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<tbody>
<tr>
<td>Monday</td>
<td>Gastrointestinal</td>
<td>Genitourinary</td>
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<tr>
<td>Tuesday</td>
<td>Thoracic</td>
<td>Breast</td>
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<tr>
<td>Wednesday</td>
<td>Pediatrics</td>
<td>Nuc Med / Interventional</td>
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<tr>
<td>Thursday</td>
<td>Ultrasound</td>
<td>Cardiac / Physics / Safety</td>
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<tr>
<td>Friday</td>
<td>Neuro</td>
<td>Musculoskeletal</td>
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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.
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 Keil, 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
### Course Program

#### Monday, April 1, 2019

7:15 am  Registration and Continental Breakfast

**Gastrointestinal**

<table>
<thead>
<tr>
<th>Time</th>
<th>Lecture Topic</th>
<th>Instructor(s)</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>Pancreatic Tumors and Mimics \textsuperscript{SA}</td>
<td>Emily M. Webb, MD</td>
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<tr>
<td>8:45</td>
<td>CT/MR of the Acute Abdomen \textsuperscript{SA}</td>
<td>Derek Sun, MD</td>
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<tr>
<td>9:30</td>
<td>Splenic Masses \textsuperscript{SA}</td>
<td>Emily M. Webb, MD</td>
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<tr>
<td>9:55</td>
<td>Recess</td>
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<tr>
<td>10:15</td>
<td>Biliary Tract \textsuperscript{SA}</td>
<td>Arthur H. Baghdarian, MD</td>
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<tr>
<td>10:45</td>
<td>Liver Disease \textsuperscript{SA}</td>
<td>Thomas A. Hope, MD</td>
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<tr>
<td>11:15</td>
<td>Fluoroscopy \textsuperscript{SA}</td>
<td>Arthur H. Baghdarian, MD</td>
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<tr>
<td>11:45</td>
<td>Adjourn</td>
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**Genitourinary**

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<thead>
<tr>
<th>Time</th>
<th>Lecture Topic</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00 pm</td>
<td>Benign Gynecologic Disease \textsuperscript{SA}</td>
<td>Liina Poder, MD</td>
</tr>
<tr>
<td>1:25</td>
<td>Malignant Gynecologic Disease \textsuperscript{SA}</td>
<td>Michael A. Ohliger, MD, PhD</td>
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<tr>
<td>1:55</td>
<td>Non-Tumorous Renal Disease \textsuperscript{SA}</td>
<td>Priyanka Jha, MBBS</td>
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<tr>
<td>2:35</td>
<td>Recess</td>
<td></td>
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<tr>
<td>2:55</td>
<td>Renal &amp; Adrenal Masses \textsuperscript{SA}</td>
<td>Armonde A. Baghdarian, MD</td>
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<tr>
<td>3:35</td>
<td>Bladder, Prostate, Urethra \textsuperscript{SA}</td>
<td>Derek Sun, MD</td>
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<tr>
<td>4:00</td>
<td>Rapid-Fire Cases: GI/GU</td>
<td>Eugene Huo, MD</td>
</tr>
<tr>
<td>5:00</td>
<td>Adjourn</td>
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\textsuperscript{SA} Lecture includes Self-Assessment (SA-CME).
Tuesday, April 2, 2019

7:15 am  Continental Breakfast

Thoracic, Pulmonary

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

Breast

1:00 pm  Non-Calcified Manifestations of Breast Cancer  
          Elissa R. Price, MD
1:25  Calcifications  
          Heather I. Greenwood, MD
1:55  Breast MRI  
          Tatiana Kelil, MD
2:20  Radiology-Pathology Concordance  
          Amie Y. Lee, MD
2:45  Recess
3:05  Breast Ultrasound  
          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).
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).
Course Program

Thursday, April 4, 2019

7:15 am  Continental Breakfast

**Ultrasonography / ObGyn**

8:00 am  Abdominal Ultrasound  

8:20 am  Key Points for Thyroid Imaging and Biopsy  

8:40 am  Female Pelvis: Uterus/Adnexa  

9:00 am  Key Points in the First Trimester  

9:20 am  Recess  

9:40 am  Key Points in the Second Trimester  

10:10 am  Most Relevant Fetal Anomalies  

10:40 am  Vascular Ultrasound  

11:00 am  Genitourinary Ultrasound  

11:30 am  Adjourn

**Cardiac, Physics, Safety**

1:00 pm  Imaging of the Heart: Top 10 Diagnoses  

1:45 pm  Vascular Diseases of the Thorax  

2:15 pm  IV Contrast Use Update  

2:45 pm  Recess  

3:05 pm  Practical Physics for the Radiologist: CT  

3:30 pm  Ultrasound Technical Tips/Artifacts  

3:50 pm  Practical Physics for the Radiologist: MR  

4:25 pm  Playing it Safe: What You Need to Know  

4:45 pm  Adjourn

SA Lecture includes Self-Assessment (SA-CME).
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).
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
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.
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 ______________________________________________________________

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

COURSE REGISTRATION

By 2/1/19  After 2/2/19  Loyalty Discount applies only to live courses attended (not home-study)

 $1,325   $1,395 Standard Registration  no UCSF Rad paid course 2018 cal year

 $1,185   $1,260 Silver Status 10% discount  1 UCSF Rad paid course 2018 cal year

 $1,045   $1,120 Gold Status 20% discount  2 UCSF Rad paid courses 2018 cal year

 $  905   $  980 Platinum Status 30% disc  3 UCSF Rad paid courses 2018 cal year

 $1,000   $1,075 Resident Single discount  verification of resident status required

 $  905   $  980 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)

 4/1 Mon   4/2 Tues   4/3 Wed   4/4 Thur   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.