This comprehensive review course is designed to cover all pertinent topics relevant to the practice of Interventional Radiology. Attendees will review fundamentals and basics of IR, as well as learn about new and emerging technologies, such as cutting-edge vascular interventions and complex interventional oncology techniques. Course content will include a mix of didactic lectures, case-based reviews, and hands-on workshops to improve the attendee’s working knowledge of current devices.

The course is suitable for practicing interventional radiologists who want to refresh and enhance their skills, as well as for newly qualified interventionalists who look to expand on their knowledge with the help of UCSF expert faculty, and to build on their prior training.

Highlights include: clinically relevant procedures and case-based sessions on peripheral artery disease diagnosis and management, highly-focused sessions on organs and disease pathologies, and in-depth discussions on the latest developments for innovative technologies.

There will be multiple opportunities for informal discussions between faculty and attendees.

At the completion of this course, the attendee will be able to:
1. Improve technique in arterial and venous interventions.
2. Understand the implications of interventional oncology procedures.
3. Describe indications and recommend techniques for gastrointestinal and genitourinary tract interventions.
4. Know the benefits and limitations in selecting IR devices (shunts, stents, catheters, etc).
6. Understand the scope of Neurointerventional and Musculoskeletal interventions.
7. Identify potential pitfalls and safety issues associated with IR procedures in order to minimize complications.

Registration
Pre-registration is required as enrollment in this course is limited to 30 registrants. Tuition: $2,000.
Online: https://radiology.ucsf.edu/cme
Phone: using Visa, Amex or Mastercard. Call 415–476–5808, 8 am–4 pm (Pacific Time)
Fax: the registration form to 415–502-1795.
UCSF Faculty

Maureen P. Kohi, MD, FSIR  
*Course Co-Chair*  
Associate Professor of Radiology  
Chief, Interventional Radiology

Nicholas Fidelman, MD, FSIR  
*Course Co-Chair*  
Associate Professor of Clinical Radiology

Matthew R. Amans, MD, MSc  
Assistant Professor of Radiology

Matthew D. Bucknor, MD  
Assistant Professor of Radiology

Cynthia T. Chin, MD  
Professor of Clinical Radiology and Neurosurgery

Daniel L. Cooke, MD  
Associate Professor of Radiology

Miles B. Conrad, MD, MPH  
Clinical Professor of Radiology

Steven W. Hetts, MD  
Professor of Radiology

Ryan M. Kohlbrenner, MD  
Assistant Professor of Radiology

K. Pallav Kolli, MD  
Associate Professor of Clinical Radiology

Vishal Kumar, MD  
Assistant Professor of Clinical Radiology

Jeanne M. LaBerge, MD, FSIR  
Professor Emeritus of Radiology

Evan D. Lehrman, MD  
Assistant Professor of Clinical Radiology

Thomas M. Link, MD, PhD  
Professor of Radiology  
Chief, Musculoskeletal Imaging

Tara A. Morgan, MD  
Assistant Professor of Radiology

Sujal Nanavati, MD  
Clinical Professor of Radiology

Andrew G. Taylor, MD, PhD  
Associate Professor of Clinical Radiology

Stefanie Weinstein, MD, FSAR  
Associate Professor of Clinical Radiology  
Chief of Ultrasound,  
SF Veterans Affairs Medical Center

Mark W. Wilson, MD  
Professor of Radiology  
Chief, Radiology Services,  
Zuckerberg SF General Hospital

Guest Faculty

Matthew P. Lungren, MD, MPH  
Assistant Professor of Radiology  
Stanford University School of Medicine

Anand S. Patel, MD  
Chief, Interventional Radiology  
Providence Little Company  
Mary Medical Center, Torrance

Trushar J. Patel, MD  
Interventional Radiologist  
Hoag Memorial Hospital, Newport Beach

Richard R. Saxon, MD, FSIR  
Interventional Radiologist  
San Diego Imaging (Northern Division)

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 33.25 AMA PRA Category 1 Credits™.  
Physicians should claim only the credit commensurate with the extent of their participation in the activity.  
*This educational activity meets the requirement under California State Assembly Bill 1195, continuing education and cultural and linguistic competency.*
MONDAY, September 17, 2018

7:45 am Registration and Breakfast

8:15  CT Angiography: What's New? SA ....................... Maureen P. Kohi, MD
8:45  Updates on MR Angiography SA ......................... Mark W. Wilson, MD
9:15  Contrast Enhanced Ultrasound SA ....................... Stefanie Weinstein, MD
9:45  Vein Mapping and Interpretation SA ..................... Vishal Kumar, MD
10:15 Recess
10:30 AAA Repair: Basics SA ................................. K. Pallav Kolli, MD
11:00 Complex Endoleak Interventions SA .................... Evan D. Lehrman, MD
11:30 PAD and Aorto-iliac Interventions SA .................... Richard R. Saxon, MD
12:00 pm SFA: Restenosis Prevention and Treatment SA ...... Richard R. Saxon, MD
12:30 Lunch (provided)

1:15 pm Left Gastric Artery Embolization SA .................. Ryan M. Kohlbrenner, MD
1:45  Mesenteric and Renal Arterial Disease SA............... Anand Patel, MD
2:15  Visceral Artery Aneurysms SA ............................ Trushar J. Patel, MD
2:45  Trauma: What’s Your Algorithm? SA ..................... Miles B. Conrad, MD, MPH
3:15 Recess
3:30  CLI: BTK Interventions and CTOs SA ..................... Richard R. Saxon, MD
4:00  Acute Ischemia and Unknown Cases SA .................. Richard R. Saxon, MD
4:30 Questions and Discussion
4:45 Adjourn

TUESDAY, September 18, 2018

7:45 am Breakfast

8:15  Multidisciplinary Approach to HCC SA .................. Nicholas Fidelman, MD
8:45  TACE and TAE for HCC SA ............................... Ryan M. Kohlbrenner, MD
9:15  TARE for HCC SA .............................................. Nicholas Fidelman, MD
9:45  Percutaneous Ablation for HCC SA ....................... Evan D. Lehrman, MD
10:15 Recess
10:30 Arterial Therapy: mCRC SA ............................... Nicholas Fidelman, MD
11:00 Arterial Therapy: mNET SA ............................... Nicholas Fidelman, MD
11:30 Arterial Therapy: Cholangiocarcinoma SA ............... Ryan M. Kohlbrenner, MD
12:00 pm Ablation for Liver Metastases SA ..................... K. Pallav Kolli, MD
12:30 Lunch (provided)

1:15 pm Renal Ablation SA ......................................... Andrew G. Taylor, MD, PhD
1:45  Lung Ablation SA .............................................. K. Pallav Kolli, MD
2:15  Portal Vein Embolization SA .............................. Evan D. Lehrman, MD
2:45  Immunotherapy and the Future SA ....................... Nicholas Fidelman, MD
3:15 Recess
3:30  Ablation of Osteoid Osteoma SA .......................... Thomas M. Link, MD
4:00  Treatment of Painful Osseous Metastases SA .......... Matthew D. Bucknor, MD
4:15 Ultrasound-guided MSK Interventions SA ................. Tara A. Morgan, MD
4:30 Questions and Discussion
4:45 Adjourn

WEDNESDAY, September 19, 2018

7:45 am Breakfast

8:15  Biliary Interventions SA ................................. Nicholas Fidelman, MD
8:45  Portal Hypertension 1: TIPS/DIPS/BRTO SA ............ Jeanne M. LaBerge, MD
9:15  Portal Hypertension 2: PV Recan, HV Stenting, .... Jeanne M. LaBerge, MD
9:45  Splenic Embolization SA ................................. Nicholas Fidelman, MD
10:15 Recess
**WEDNESDAY, September 19, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>10:30</td>
<td>Big Procedures for Little People: Pediatric IR</td>
<td>Matthew P. Lungren, MD</td>
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<tr>
<td>11:00</td>
<td>Lymphangiography &amp; Interventions</td>
<td>Evan D. Lehrman, MD</td>
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<td>11:30</td>
<td>Native and Renal Transplant Interventions</td>
<td>Andrew G. Taylor, MD, PhD</td>
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<td>12:00</td>
<td>RCC &amp; AML: How to Embo?</td>
<td>Andrew G. Taylor, MD, PhD</td>
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<tr>
<td>12:30</td>
<td>Lunch</td>
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<tr>
<td>1:15</td>
<td>Periprocedural Safety</td>
<td>Nicholas Fidelman, MD</td>
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<td>1:45</td>
<td>Radiation Safety in IR</td>
<td>Ryan M. Kohlbrenner, MD</td>
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<td>2:15</td>
<td>Hazards in the IR Suite</td>
<td>Nicholas Fidelman, MD</td>
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<td>2:45</td>
<td>PAE: Basics to Complex</td>
<td>Ryan M. Kohlbrenner, MD</td>
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<td>3:15</td>
<td>Recess</td>
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<td>3:30</td>
<td>Microcatheters &amp; Other Toys</td>
<td>Andrew G. Taylor, MD, PhD</td>
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<td>3:50</td>
<td>Embolic Agents: How to Choose?</td>
<td>Andrew G. Taylor, MD, PhD</td>
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<td>4:10</td>
<td>Tunneled Catheters and Denver Shunts</td>
<td>Sujal Nanavati, MD</td>
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<td>4:30</td>
<td>Questions and Discussion</td>
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<td>4:45</td>
<td>Adjourn</td>
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**THURSDAY, September 20, 2018**

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<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>7:45</td>
<td>Breakfast</td>
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<tr>
<td>8:15</td>
<td>Stroke Interventions</td>
<td>Steven W. Hetts, MD</td>
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<td>8:45</td>
<td>Vertebroplasty: How I Do It?</td>
<td>Matthew R. Amans, MD, MSc</td>
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<tr>
<td>9:15</td>
<td>Endovascular Management of Retinoblastoma</td>
<td>Steven W. Hetts, MD</td>
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<tr>
<td>9:45</td>
<td>Spine Interventions</td>
<td>Cynthia T. Chin, MD</td>
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<td>10:15</td>
<td>Recess</td>
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<tr>
<td>10:30</td>
<td>Industry-Sponsored Hands-on Workshops</td>
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<tr>
<td>12:30</td>
<td>Lunch (provided)</td>
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<tr>
<td>1:15</td>
<td>Management of Symptomatic Uterine Fibroids</td>
<td>Maureen P. Kohi, MD</td>
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<td>1:45</td>
<td>PPH: What to Do?</td>
<td>Maureen P. Kohi, MD</td>
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<td>2:15</td>
<td>Gonadal Vein Embolization</td>
<td>Maureen P. Kohi, MD</td>
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<td>2:45</td>
<td>The ABR IR/DR Exam</td>
<td>Jeanne M. LaBerge, MD</td>
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<td>Recess</td>
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<tr>
<td>3:30</td>
<td>Save &amp; Disaster</td>
<td>Evan D. Lehrman, MD</td>
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<td>3:50</td>
<td>Save &amp; Disaster</td>
<td>Andrew G. Taylor, MD, PhD</td>
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<td>4:10</td>
<td>Save &amp; Disaster</td>
<td>Ryan M. Kohlbrenner, MD</td>
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<td>4:30</td>
<td>Questions and Discussion</td>
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<td>4:45</td>
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**FRIDAY, September 21, 2018**

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>7:45</td>
<td>Breakfast</td>
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<tr>
<td>8:15</td>
<td>Treatment of Pulmonary Embolism</td>
<td>K. Pallav Kolli, MD</td>
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<tr>
<td>8:45</td>
<td>Superficial Venous Therapy</td>
<td>Vishal Kumar, MD</td>
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<tr>
<td>9:15</td>
<td>Management of Deep Vein Thrombosis</td>
<td>K. Pallav Kolli, MD</td>
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<tr>
<td>9:45</td>
<td>Complex Venous Recanalization</td>
<td>Evan D. Lehrman, MD</td>
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<tr>
<td>10:15</td>
<td>Complex IVF Filter Retrieval</td>
<td>Andrew G. Taylor, MD, PhD</td>
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<td>10:45</td>
<td>Recess</td>
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<tr>
<td>11:00</td>
<td>Dialysis Access Interventions</td>
<td>Mark W. Wilson, MD</td>
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<tr>
<td>11:30</td>
<td>Management of Vascular Malformations</td>
<td>Daniel L. Cooke, MD</td>
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<tr>
<td>12:00</td>
<td>Management of PAVMs</td>
<td>Miles B. Conrad, MD, MPH</td>
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<tr>
<td>12:30</td>
<td>Lunch</td>
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<td>12:45</td>
<td>Adjourn</td>
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SA These lectures qualify for SAM/Self-Assessment Credits
(pending approval and subject to change).
UCSF Medical Center: Kalmanovitz Library
530 Parnassus Ave, Fifth Floor, Lange Room
www.ucsfhealth.org/maps_and_directions

The UCSF Medical Center on Parnassus Avenue is the central site for the UCSF Hospital system, located just south of Golden Gate Park.

Public Transportation  SF City bus/railway info: www.sfmta.com
The N-Judah streetcar can be boarded at any of the four downtown Market Street underground BART/MUNI stations. The ride to the UCSF parking garage is about 20 minutes, and costs $2.75 one-way; retain your transfer as proof of payment to avoid fines. Weeklong passes can be purchased at the Powell Tourist Station at Market Street. Individual tickets can be bought at any of the four underground Market Street stations.

Driving & Parking
www.ucsfhealth.org/maps_and_directions/parking
Both garages can be accessed from either Parnassus Ave or Irving Street (rates and hours as of April 2017, subject to change):
- 500 Parnassus Garage (shown on map): $4 per hour, daily max $32. Open 24 hours.

Accommodations
https://radiology.ucsf.edu/cme/ucsf-interventional-review-2018-sanfrancisco
For a listing of hotels and rates in the Union Square / downtown area, visit the course webpage link above.

Additional Options can be found on the Short-Term Lodging Guide: https://campuslifeservices.ucsf.edu/upload/housing/files/336982-HSTLG21ED20181.pdf
The Laurel Inn is in a nice neighborhood near Pacific Heights and across the street from the UCSF intra-campus shuttle stop at the UCSF Laurel Heights building.
Airline Discounts  https://radiology.ucsf.edu/cme/sf_travel

UCSF Radiology has negotiated special discounts with United and Delta Airlines for radiology course attendees. You may use the following tour codes to book on your own:

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<tr>
<th>Airline</th>
<th>Website</th>
<th>Promo Code</th>
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</table>

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

SFO:  www.flysfo.com    OAK:  www.oaklandairport.com
BART:  www.bart.gov    SF MUNI:  www.sfmta.com

REGISTRATION

INTERVENTIONAL RADIOLOGY REVIEW  (RAD19 009)
September 17-21, 2018  /  UCSF Medical Center – San Francisco, California

Pre-registration is required for this course: Four easy ways to register:

1. Online at  https://meded.ucsf.edu/cme/calendar
2. Fax to 415–502–1795
3. Phone using Visa, Amex or Mastercard. Call 415–476–5808, 8 am - 4 pm (Pacific Time)
4. Mail to UCSF Office of CME, PO Box 45368, San Francisco, CA 94145-0368

REGISTRANT INFORMATION  (please print)

Name _______________________________________________________________
First                                Last                                Degree

Address  _______________________________________________________________________
______________________________________________________________________________

Tel _____________________________  Fax _____________________________
Area Code  ___________________________  Area Code ___________________________

E-mail _______________________________________________________________

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

Month/Date of Birth for record verification:  _______  /  _______  /  X X
month               date

COURSE REGISTRATION  enrollment is limited to 30 persons, no onsite registration.

Physician  $ 2,000  ○ Check enclosed, payable to UC Regents
Please charge my:  ○ Visa  ○ Mastercard  ○ American Express

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.

Cancellation  A refund of the enrollment fee, less $100, will be made upon receipt of a written request only by Friday, August 17, 2018. No refunds will be made after this date. 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.
UPCOMING CME CONFERENCES
Brochures and Register online: [https://radiology.ucsf.edu/cme](https://radiology.ucsf.edu/cme)
Program dates, topics, and locations are subject to change prior to brochure publication.

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<tr>
<th>Date</th>
<th>Conference</th>
<th>Location</th>
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<tr>
<td>Sep 29–30 2018</td>
<td>Imaging Update in Las Vegas</td>
<td>Las Vegas, NV</td>
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<tr>
<td>Oct 14–19</td>
<td>Imaging Update on Kauai</td>
<td>Koloa, Kauai, HI</td>
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<tr>
<td>Nov 12–16</td>
<td>Breast Imaging Update</td>
<td>Palm Springs, CA</td>
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<tr>
<td>Dec 2–7</td>
<td>Imaging Warm-up in the Caribbean</td>
<td>Nevis Island</td>
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<td>Jan 20–25 2019</td>
<td>Body Imaging: Abdominal &amp; Thoracic</td>
<td>Kona, HI</td>
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<tr>
<td>Feb 3–5</td>
<td>Thoracic Imaging</td>
<td>Palm Springs, CA</td>
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<tr>
<td>Feb 6–8</td>
<td>Abdominal &amp; Pelvic CT/MR/US</td>
<td>Palm Springs, CA</td>
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<td>Feb 10–15</td>
<td>Neuro &amp; Musculoskeletal Imaging</td>
<td>Kona, Hawaii</td>
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<tr>
<td>March 3–8</td>
<td>Breast Imaging Update</td>
<td>Kona, HI</td>
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<tr>
<td>April 1–5</td>
<td>Annual Rad Review &amp; Cases</td>
<td>San Francisco, CA</td>
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ADDRESS CHANGES: To facilitate change-of-address, please return the full mailing panel and do not cross out the original address. Thank you.