

Imaging Update in the Canadian Rockies

August 4–9, 2019



The Fairmont Banff Springs
Alberta, Canada

CME Credits: 25.0 / SAM Credits: 24.5



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UCSF Department of Radiology
and Biomedical Imaging

<https://radiology.ucsf.edu/cme>



Course Outline

This course is a diverse review designed for the practicing radiologist, with an emphasis on practical approaches for reading real-life cases in the daily clinical setting. Lectures focus on common diagnostic issues utilizing radiography, CT, MRI and Ultrasound as applied to abdominal, breast, thoracic, neuro and musculoskeletal imaging.

Course Objectives

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

1. Differentiate between common and uncommon appearances of lung cancer on CT and PET/CT;
2. Recommend the use of cross-sectional imaging in the evaluation of ovarian cysts, the acute abdomen, and endometrial and cervical cancers;
3. Identify the diagnostic challenges in utilizing ultrasound in the evaluation of abdominal abnormalities;
4. Develop a practical approach to evaluating spine abnormalities on CT and MRI;
5. Recognize important pitfalls in the interpretation of MR brachial plexus imaging;
6. Describe current issues in breast imaging, including evaluation of the male breast, cysts and the role of breast MRI.

Self-Assessment (SAM) Credits

This course will offer 24.5 Self-Assessment credits (pending approval and subject to change):

4.0 in Breast, 4.0 in Abdomen-Pelvis, 4.0 in Musculoskeletal, 4.0 in Neuro and 8.5 in Thoracic.

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 more information: www.theabr.org/moc-dr-comp2.

UCSF Faculty

David M. Naeger, MD

Course Chair

Associate Professor of Clinical Radiology
Associate Chair for Education

Rita I. Freimanis, MD

Professor of Clinical Radiology

Priyanka Jha, MBBS

Assistant Professor of Clinical Radiology

Kimberly G. Kallianos, MD

Assistant Professor of Clinical Radiology

Rina P. Patel, MD

Assistant Professor of Clinical Radiology

Vinil N. Shah MD

Assistant Professor of Clinical Radiology

Registration

<https://meded.ucsf.edu>

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

Pre-register by June 7, 2019 and save \$75 on your enrollment fee.

Tuition \$1,195 for all medical professionals; registration discounts are available for qualifying attendees, please review the registration form on the last page.

On-site Registration

Sunday, August 4, 2019 at 6:30 am
The Fairmont Banff Springs
405 Spray Avenue - Banff, Alberta

Syllabus An electronic syllabus and paper notebook will be provided onsite.

You must provide an email address with your registration to receive advance syllabus information, which will be distributed electronically.

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Course Program page 1 of 2

SUNDAY, August 4, 2019 *Thoracic*

6:30 am	Registration and Continental Breakfast	
7:00	The Complete Guide to Lung Cancer Staging	David M. Naeger, MD
7:45	Logical approach to mediastinal masses	Kimberly G. Kallianos, MD
8:15	Typical and Atypical Appearances of Lung Cancer	David M. Naeger, MD
9:00	Acute Aortic Pathology	Kimberly G. Kallianos, MD
9:45	Recess	
10:00	Fundamentals of HRCT: Pattern Recognition	Kimberly G. Kallianos, MD
10:45	Pulmonary Embolism Update: Maintaining Specificity	David M. Naeger, MD
11:45	Challenging CXR Cases	Kimberly G. Kallianos, MD
12:15 pm	Adjourn	

MONDAY, August 5, 2019 *Thoracic / Abdomen & Pelvis*

6:30 am	Continental Breakfast	
7:00	Pitfalls of Abdominal Ultrasound	Priyanka Jha, MBBS
7:30	How to Handle Thoracic Incidentalomas	Kimberly G. Kallianos, MD
8:00	Making Management of Ovarian Cysts Simple Again:	Priyanka Jha, MBBS
	Review of SRU/ACOG Guidelines	
8:30	Look at the Heart: Cardiac Findings on Non-gated CT;	Kimberly G. Kallianos, MD
9:00	Post-operative Abdomen.....	Priyanka Jha, MBBS
9:45	Recess	
10:00	Acute Abdomen: Pearls & Pitfalls	Priyanka Jha, MBBS
10:30	How to be Helpful with Pulmonary Infections.....	Kimberly G. Kallianos, MD
11:00	Non-Obstetric CT/MRI in Pregnancy:	Priyanka Jha, MBBS
	When and How-To Do It and What to Expect	
11:30	MRI of Endometrial Cancer.....	Priyanka Jha, MBBS
11:55	MRI of Cervical Cancer.....	Priyanka Jha, MBBS
12:15 pm	Adjourn	

TUESDAY, August 6, 2019 *Thoracic / Skeletal*

6:30 am	Continental Breakfast	
7:00	Incidentals and Artifacts on PET/CT: How Not to Get Fooled: Part 1	David M. Naeger, MD
7:30	Incidentals and Artifacts on PET/CT: How Not to Get Fooled: Part 2	David M. Naeger, MD
8:00	Imaging of Hip Pain in Young Adults	Rina P. Patel, MD
8:45	When PET is No Good: Situations in which PET has Low Sensitivity	David M. Naeger, MD
9:45	Recess	
10:00	Pitfalls of Knee MR Imaging.....	Rina P. Patel, MD
10:45	Lessons from Abdominal Imaging: Q&A cases	Priyanka Jha, MBBS
11:15	Ligaments of the Knee: Anatomy and Pathology	Rina P. Patel, MD
12:00	Questions and Discussion	
12:15 pm	Adjourn	

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Course Program page 2 of 2

Wednesday, August 7, 2019

No formal course program.

THURSDAY, August 8, 2019 *Skeletal / Neuro / Breast*

6:30 am	Continental Breakfast	
7:00	Shoulder: Instability.....	Rina P. Patel, MD
7:30	Brain: Top 5 Do-Not-Miss Diagnoses.....	Vinil N. Shah, MD
8:15	Practical Approach to Musculoskeletal Ultrasound.....	Rina P. Patel, MD
9:00	Spine: Top 5 Do-Not-Miss Diagnoses.....	Vinil N. Shah, MD
9:30	Recess	
9:45	Shoulder: Rotator Cuff.....	Rina P. Patel, MD
10:15	Newer Interventional Techniques in Breast Imaging.....	Rita I. Freimanis, MD
10:45	Intradural Spinal Tumors: How Do You Tell Them Apart?.....	Vinil N. Shah, MD
11:30	Post-procedural Care in Breast Imaging.....	Rita I. Freimanis, MD
12:00 pm	Questions and Discussion	
12:15	Adjourn	

FRIDAY, August 9, 2019 *Neuro / Breast*

6:30 am	Continental Breakfast	
7:00	Value-Based Imaging of the Spine.....	Vinil N. Shah, MD
7:30	Family Tree of Cysts.....	Rita I. Freimanis, MD
8:15	Postoperative Imaging of the Spine: What the Radiologist Needs to Know.....	Vinil N. Shah, MD
8:45	The Male Breast.....	Rita I. Freimanis, MD
9:30	Recess	
9:45	Practical Imaging of the Brachial Plexus.....	Vinil N. Shah, MD
10:15	Enhancing Everyday Breast Interpretation with Radiogenomics.....	Rita I. Freimanis, MD
11:00	CSF Hypotension: How to Find and Fix the Leak.....	Vinil N. Shah, MD
11:30	Breast Imaging: Interesting Cases.....	Rita I. Freimanis, MD
12:15 pm	Adjourn	

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 **25.0 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 8.0 in CT, 7.5 in MRI, 2.25 in Ultrasound, 4.0 in Breast Imaging, and 1.5 in PET.

Physician Assistants (PA) the AAPA accepts category 1 credit from AOACCME, prescribed credit from AAFP, and **AMA PRA Category 1 Credit**.™

Nurses (RN) the American Nurses Credentialing Center accepts **AMA PRA Category 1 Credit**.™ issued by organizations accredited by the ACCME, for the purpose of recertification.

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

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The Fairmont Banff Springs

Please note that the UCSF group room block is **SOLD OUT**, and rooms are only available at the going rate. Alternate hotel options and resources are listed below.

Tel: 866-540-4406 / 403-762-2211 / 405 Spray Avenue - Banff, Alberta, Canada

Review room types: www.fairmont.com/banff-springs/accommodations

A credit card number is required to guarantee your reservation. Rates are subject to taxes of 11% (2% TIF, 4% ATL, 5% GST).

Daily mandatory service charge of \$14 per person (included in the above rates). There is no additional charge for children under the age of 18 who share with their parents. Fairmont Room will accommodate two persons maximum (no roll-away), Deluxe Room four persons maximum. Third/fourth adult per room charge is \$30 per night for standard rooms, \$50 per night for suites and gold rooms.

Reservations cancelled less than 72 hours will be charged the full reservation. Check-in is 4:00 pm, check-out is 12 noon. Daily parking rates for 2018 are \$27 for self parking (in & out), \$41 for valet (subject to change for 2019). In addition to the nightly room-rate, registrants are liable for any hotel taxes, fees, portage, gratuities and applicable guestroom charges upon check-out.

Resort Highlights

Restaurants include the Waldhaus with Alpine German cuisine, Castello Ristorante with Italian cuisine, 1888 Chop House with Alberta beef & wild game, and Samurai Japanese & Sushi Bar. The Vermillion Room offers all-day dining in a Brasserie style restaurant. Stock Food & Beverage offers sit-in dining or take-out. Additional venues include Grapes Wine Bar, Rundle Lounge, Stanley Smokehouse (at the golf course).

Willow Stream Spa & Health Club includes a European mineral pool, three whirlpools, steamrooms & saunas, 23 treatment rooms, and full-service hair and nail salons. Fitness center is complimentary for all guests 16+ years, access 24/7.

Golfers will enjoy the variety of a 27-hole golf course, comprised of the 18-hole Stanley Thompson champion golf-course and the 9-hole Tunnel Mountain Course. The courses are laid-out between incomparable mountain vistas, and will appeal to both amateur and seasoned players.

Swimming there is an indoor salt-water pool, an outdoor pool, and a kids wading pool.

Kids Activities www.fairmont.com/banff-springs/activities-services/family-travel-kids-club

Alternate Hotel Options

The Rimrock Resort Hotel / 300 Mountain Avenue, Banff
www.rimrockresort.com Tel: 888-RIMROCK (888-746-7625) / 403-762-3356
Driving Distance to the Fairmont Banff Springs: approx. 3 miles / 6 minutes

Delta Hotels Banff Royal Canadian Lodge / 459 Banff Avenue, Banff
Tel: 800-661-1379 / 403-762-3307
www.marriott.com/hotels/travel/ybacl-delta-hotels-banff-royal-canadian-lodge
Driving Distance to the Fairmont Banff Springs: 2 miles / 8 minutes.

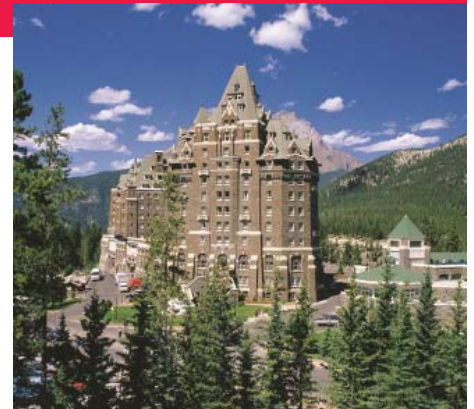
Banff Park Lodge / 222 Lynx Street, Banff
www.banffparklodge.com Tel: 800-661-2296 / 403-762-4433
Driving Distance to the Fairmont Banff Springs: 1 mile / 4 minutes

Banff Hotels www.banffhotels.org

Canmore (18 miles SE of the Fairmont)
<https://canmorealberta.com/places-to-stay/hotels>

Banff National Park banffnationalpark.com/places-to-stay

Banff & Lake Louise Tourism (Lake Louise is approximately 40 miles from Banff Springs)
www.banfflakelouise.com/accommodation



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Airline Discounts and Transportation

UCSF Radiology has negotiated discounted fares with Delta and United Airlines for radiology course attendees to the Calgary Alberta Airport (YYC). You may use the following group codes to book online or by phone:

Delta <https://tinyurl.com/www-delta-com-book> 800-328-1111
code: NMS6F

United <https://tinyurl.com/www-united-com-book> 800-426-1122
code: ZFKT721044

Air Canada is a United Star Alliance member.

A **Passport Book** is required for all U.S. citizens flying into Canada. Passport cards and enhanced drivers licenses are only accepted for land/car entry.

To apply for a U.S. passport (adults and children): travel.state.gov

For all foreign passport/visa requirements: csa-asfc.gc.ca/travel-voyage

Airport Transfers the Fairmont Banff Springs is 85 miles west of the Calgary Airport on Highway 1.

Calgary International Airport www.yyc.com

Hertz Car Rental www.hertz.com / code CV# 01SY0265

Shuttle and Sedan Transfers www.banffairporter.com

- Receive a 15% discount on scheduled shuttle services by using the Promo Code "UCSF" on the final payment page.

Banff, Alberta, Canada

www.travelalberta.com/us/places-to-go/canadian-rockies/banff

Located in the foothills of the Rocky Mountains, Banff National Park is Canada's oldest national park, and was one of the original stops on the Canadian Pacific Railway. Originally centered around the Banff Hot Springs, the park later grew to include nearby Lake Louise and the Columbia Icefield. One of the most popular parks in North America, Banff National Park is visited by over three million visitors annually.

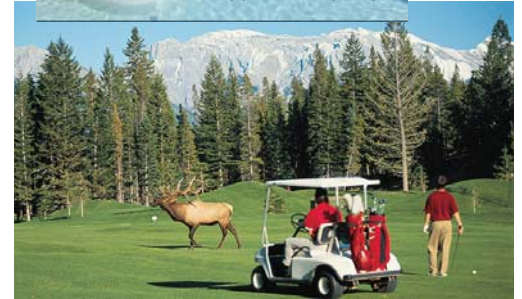
Gondolas are the best way to obtain a sense of the majesty and enormity of the mountains, and are available in Banff, Lake Louise and Sunshine Village. Elk, caribou, grizzly bears and gray wolves are native to the Park. Historic sites and museums include the Banff Centre, Banff Park Museum, Whyte Museum, Canadian Ski Museum West, Buffalo Nations Luxton Museum, and the Cave & Basin National Historic Site. The town of Banff offers a variety of restaurants, shops and art galleries.



Town of Banff



Upper Hot Springs



Travel Tips

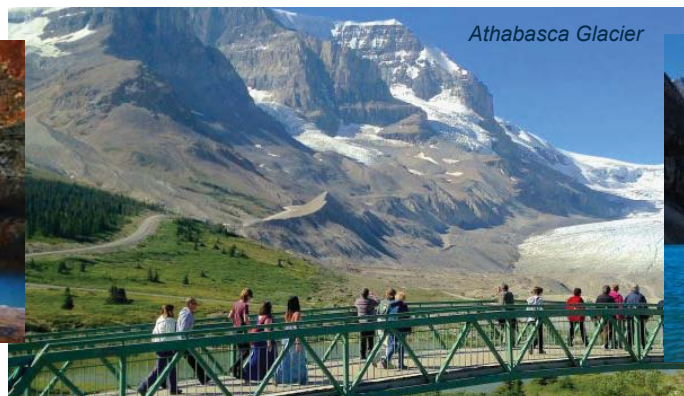
Currency Although most places will accept U.S. currency, many vendors will charge a set exchange rate that will likely be a bit higher than the fluctuating daily exchange rate. It is recommended to use Canadian currency, and U.S. currency can be exchanged at any ATM, Canadian bank or exchange broker.

One-dollar "loonie" and two-dollar "toonie" coins are used rather than paper bills. As of December 2018, the exchange rate was approximately CD\$ 1.00 to US\$ 0.75. (reverse = US\$ 1.00 to CD\$ 1.35).

Weather The average summer temperature varies between the low 70's during mid-day, and the upper 40's at night (22 to 8 degrees Celcius).



Cave & Basin
Historic Site



Athabasca Glacier



Moraine Lake

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REGISTRATION

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Early Enrollment Deadline: Friday, June 7, 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: _____ / _____ / XXXX
month day year

COURSE REGISTRATION (\$US Dollars)

By 6/7/19 After 6/7/19 Loyalty Discount applies only to live courses attended (not home-study)

- | | | | |
|-------------------------------|-------------------------------|------------------------------|---------------------------------------|
| <input type="radio"/> \$1,125 | <input type="radio"/> \$1,195 | Standard Registration | no UCSF Rad paid course 2018 cal year |
| <input type="radio"/> \$1,005 | <input type="radio"/> \$1,080 | Silver Status 10% discount | 1 UCSF Rad paid course 2018 cal year |
| <input type="radio"/> \$ 885 | <input type="radio"/> \$ 960 | Gold Status 20% discount | 2 UCSF Rad paid courses 2018 cal year |
| <input type="radio"/> \$ 765 | <input type="radio"/> \$ 840 | Platinum Status 30% discount | 3 UCSF Rad paid courses 2018 cal year |

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, July 5, 2019. No refunds will be made after this date.

