

Imaging Update in the Canadian Rockies

July 30 – August 4, 2017



The Fairmont Banff Springs
Alberta, Canada

CME Credits: 26.25 / SAM Credits: 25.0



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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, gynecologic, breast, thoracic and neuro imaging, as well as routine interventional procedures.

Course Objectives

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

1. Recognize common and uncommon patterns of diffuse lung disease and pulmonary infections on CT
2. Describe the use of cross-sectional imaging in the evaluation of abdominal emergencies, genitourinary abnormalities and renal tumors
3. Understand the diagnostic challenges in using ultrasound in the evaluation of thyroid nodules, 1st trimester pregnancy, and pelvic pain
4. Develop a practical approach to head and neck abnormalities on CT and MRI including patterns of lymphadenopathy, neck infections and parotid masses
5. Recognize important pitfalls in the interpretation of CT and MR angiography
6. Develop an understanding of up-to-date issues in breast imaging including evaluation of the axilla, the role of breast MRI, and updates in the BI-RADS system.

Self-Assessment (SAM) Credits

This course will offer 25.0 Self-Assessment credits (pending approval and subject to change):

- 4.5 in Breast Imaging
- 1.5 in General Interpretation Skills
- 3.5 in Genitourinary
- 4.0 in Interventional
- 3.5 in Neuro
- 3.5 in Ultrasound
- 4.5 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

Brett M. Elicker, MD

Course Chair

Professor of Radiology
Chief, Cardiac & Pulmonary Imaging

Christine M. Glastonbury, MBBS

Professor of Clinical Radiology, and of
Otolaryngology and Radiation Oncology

Bonnie N. Joe, MD, PhD

Professor of Radiology
Chief, Breast Imaging

Maureen P. Kohi, MD

Associate Professor of Radiology

Tara A. Morgan, MD

Assistant Professor of Radiology

Ronald J. Zagoria, MD

Professor of Radiology
Chief, Abdominal Imaging

Registration

<https://meded.ucsf.edu>

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

Pre-register by June 2, 2017 and save \$75 on your enrollment fee.

Tuition \$1,200 for all medical professionals; registration discounts are available for qualifying attendees, please review the registration form on the last page.

On-site Registration

Sunday, July 30, 2017 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, July 30, 2017

6:30 am	Registration and Continental Breakfast	
7:00	The Pulmonary Nodule: What's New.....	Brett M. Elicker, MD
7:30	Pitfalls in Abdominal Ultrasound	Tara A. Morgan, MD
8:00	Ultrasound of the First Trimester	Tara A. Morgan, MD
8:30	Pulmonary Embolism: Tips, Pitfalls and Controversies	Brett M. Elicker, MD
9:30	Recess	
9:45	Thyroid Nodules: What Not to Biopsy.....	Tara A. Morgan, MD
10:15	CT Angiography: Anything New Going On?	Maureen P. Kohi, MD
10:45	Lung Cancer: CT Appearances and New Terminology.....	Brett M. Elicker, MD
11:15	Updates on MR Angiography.....	Maureen P. Kohi, MD
11:45	Top 5 "Can't Miss" Vascular Diagnoses Seen in the ER.....	Maureen P. Kohi, MD
12:15 pm	Questions & Discussion	
12:30	Adjourn	

Monday, July 31, 2017

6:30 am	Continental Breakfast	
7:00	Evaluating the Heart on Routine Chest CT	Brett M. Elicker, MD
7:30	Peri-procedural Care	Maureen P. Kohi, MD
8:00	Demystifying LI-RADS.....	Maureen P. Kohi, MD
8:30	High-Resolution CT of the Chest: 6 Key Patterns	Brett M. Elicker, MD
9:30	Recess	
9:45	Post-Embolization Liver: What's Expected?.....	Maureen P. Kohi, MD
10:15	Post-Ablation Kidney: What's Going On?.....	Maureen P. Kohi, MD
10:45	Pulmonary Infections: 5 Key Patterns	Brett M. Elicker, MD
11:15	Ultrasound of Acute Pelvic Pain	Tara A. Morgan, MD
11:45	Ultrasound of the Appendix: Beyond Appendicitis	Tara A. Morgan, MD
12:15 pm	Questions & Discussion	
12:30	Adjourn	

Tuesday, August 1, 2017

6:30 am	Continental Breakfast	
7:00	Deep Venous Thrombolysis: What is Positive?	Tara A. Morgan, MD
7:30	Kidney Tumor Ablation: a Life-Saver	Ronald J. Zagoria, MD
8:00	Introduction to Musculoskeletal Ultrasound.....	Tara A. Morgan, MD
8:30	Screening for Breast Cancer in an Era of Breast Density Legislation	Bonnie N. Joe, MD, PhD
9:30	Recess	
9:45	Mammography BI-RADS Update	Bonnie N. Joe, MD, PhD
10:15	Basics of Prostate MRI	Ronald J. Zagoria, MD
10:45	Evaluation and Management of the Axilla in the Breast Cancer Patient	Bonnie N. Joe, MD, PhD
11:15	Renal Tumor Imaging: Better Techniques and Diagnoses	Ronald J. Zagoria, MD
12:15 pm	Questions & Discussion	
12:30	Adjourn	

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Course Program page 2 of 2

Thursday, August 3, 2017

6:30 am	Continental Breakfast	
7:00	CT Urography: Best Practices	Ronald J. Zagoria, MD
7:30	Head & Neck Imaging Pearls	Christine M. Glastonbury, MBBS
8:00	Monitoring Response to Neo-adjuvant Therapy in Breast Cancer	Bonnie N. Joe, MD, PhD
8:30	Acute Abdominal Emergencies.....	Ronald J. Zagoria, MD
9:30	Recess	
9:45	ABCs of Neck Infections.....	Christine M. Glastonbury, MBBS
10:15	Urinary Infections: Imaging Essentials	Ronald J. Zagoria, MD
10:45	Breast MR Indications	Bonnie M. Joe, MD, PhD
11:15	What to Do with Cervical Nodes.....	Christine M. Glastonbury, MBBS
12:15 pm	Questions & Discussion	
12:30	Adjourn	

Friday, August 4, 2017

6:30 am	Continental Breakfast	
7:00	Lung Consolidation: Beyond Infection	Brett M. Elicker, MD
7:30	Secrets of Sino-nasal Inflammation.....	Christine M. Glastonbury, MBBS
8:00	Radiographic Contrast Agents: New and Better Guidelines	Ronald J. Zagoria, MD
8:30	How to Be a Perfect Radiologist.....	Christine M. Glastonbury, MBBS
9:30	Recess	
9:45	Parotid Masses: a Practical Approach.....	Christine M. Glastonbury, MBBS
10:15	Breast MR Biopsy	Bonnie N. Joe, MD, PhD
10:45	Top 5 "Not-to-Miss" Head & Neck Diagnoses.....	Christine M. Glastonbury, MBBS
11:15	Breast MR Optimization for the Clinical Radiologist	Bonnie N. Joe, MD, PhD
12:15 pm	Questions & Discussion	
12:30	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 **26.25 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 10.0 in CT, 5.0 in MRI, 3.75 in Ultrasound, and 4.0 in Breast Imaging (including 1.5 in Breast MRI).

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.

^{SA} These lectures will include Self-Assessment Credit (SA-CME).

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The Fairmont Banff Springs www.fairmont.com/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

Join the Fairmont President's Club (free) *prior to arrival* to receive complimentary in-room internet during your stay (\$15 per day). Log onto: www.fairmont.com/fpc

www.fairmont.com/banff-springs/accommodations

The historic structure allows for a variety of room styles and sizes.

"Rooms" offer standard sleeping arrangements, "Suites" offer separate sitting/living areas.

"Gold" level offers exclusive services and amenities:

A credit card number is required to guarantee your reservation. Rates are subject to taxes of 11% (2% TIF, 4% ATL, 5% GST). Reservations must be cancelled at least 72 hours prior to arrival to avoid penalties; the full-stay will be charged for cancellations less than 72 hours. Check-in is 4:00 pm, check-out is 12 noon.

Daily mandatory service charge of \$12 CAD* per person. There is no additional charge for children under the age of 18 who share with their parents. Third/fourth adult per room charge is \$30 CAD* per night. Daily parking rates for 2016 are \$25 CAD* for self parking (in & out), \$39 CAD* for valet (rates subject to change for 2017). *Exchange rate as of Jan 2017 approximately \$1.00 CAD = \$0.76 USD.

Alternate Hotel Options

The Rimrock Resort Hotel / 300 Mountain Avenue, Banff, Alberta, Canada T1L 1J2

Tel: 888-RIMROCK (888-746-7625) / 403-762-3356

www.rimrockresort.com

Driving Distance to the Fairmont Banff Springs: approx. 3 miles / 6 minutes

Delta Hotels Banff Royal Canadian Lodge / 459 Banff Avenue, Banff, Alberta, Canada T1L 1B4

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, Alberta, Canada T1L 1K5

Tel: 800-661-2296 / 403-762-4433

www.banffparklodge.com

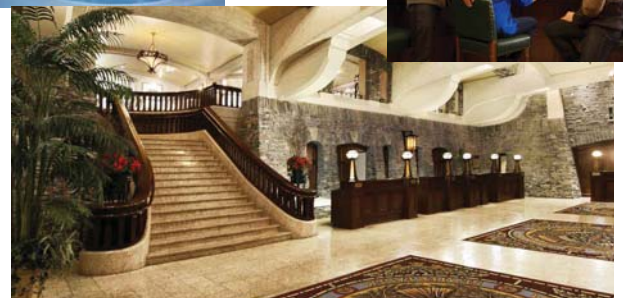
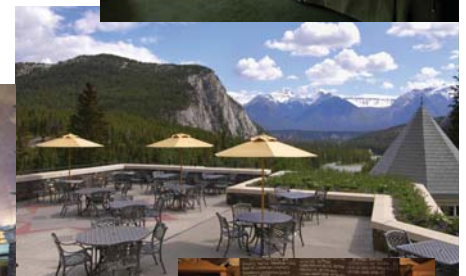
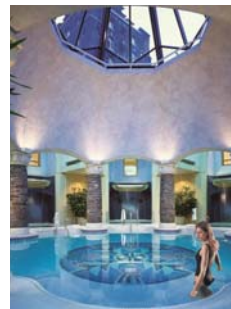
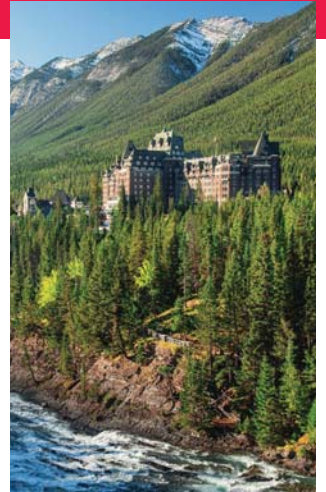
Driving Distance to the Fairmont Banff Springs: 1 mile / 4 minutes

Banff Hotels www.banffhotels.org

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: NMNKQ (add'l fee)

United <https://tinyurl.com/www-united-com-book> 800-426-1122
code: ZWZB714473

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: cbsa-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
Transportation to Banff www.banffairporter.com
Hertz Car Rental www.hertz.com / code CV# 01SY0263

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.

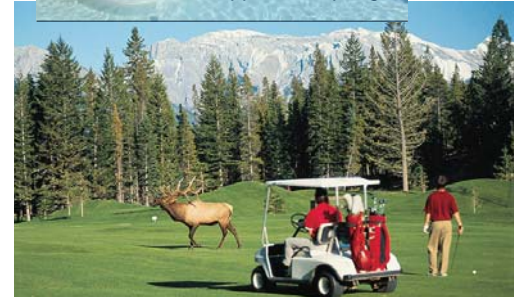
Gondolas are the best way to obtain a sense of the majesty and enormity of the mountains, and are available in Banff, Lake Louise and Sunshine Village. Elk, caribou, grizzly bears and gray wolves are native to the Park. Historic sites and museums include the Banff Centre, Banff Park Museum, Whyte Museum, 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

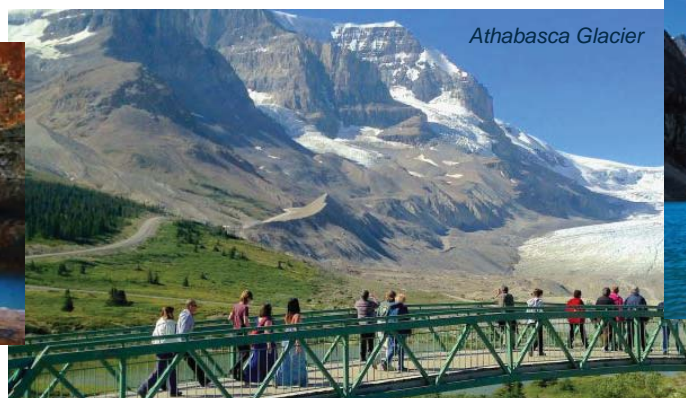
Currency Although most places will accept U.S. currency, many vendors will charge a set exchange rate that will likely be a bit higher than the fluctuating daily exchange rate. It is recommended to use Canadian currency, and U.S. currency can be exchanged at any ATM, Canadian bank or exchange broker.

One-dollar "loonie" and two-dollar "toonie" coins are used rather than paper bills. As of January 2017, the exchange rate was approximately US\$ 1.00 to CD\$ 1.30.

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 2, 2017

Four easy ways to register:

1. Mail this form to UCSF Office of CME, PO Box 45368, San Francisco, CA 94145-0368
2. Phone using Visa, Amex or Mastercard. 415-476-5808, 8:30 am-4:00 pm (Pacific Time)
3. Online at <http://meded.ucsf.edu/cme>
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 6/2/17 After 6/2/17 Loyalty Discount applies only to live courses attended (not home-study)

- | | | | |
|-------------------------------|-------------------------------|------------------------------|---------------------------------------|
| <input type="radio"/> \$1,125 | <input type="radio"/> \$1,200 | Standard Registration | no UCSF Rad paid course 2016 cal year |
| <input type="radio"/> \$1,005 | <input type="radio"/> \$1,080 | Silver Status 10% discount | 1 UCSF Rad paid course 2016 cal year |
| <input type="radio"/> \$ 885 | <input type="radio"/> \$ 960 | Gold Status 20% discount | 2 UCSF Rad paid courses 2016 cal year |
| <input type="radio"/> \$ 765 | <input type="radio"/> \$ 840 | Platinum Status 30% discount | 3 UCSF Rad paid courses 2016 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 \$75, will be made upon receipt of a written request only by Friday, July 14, 2017.
No refunds will be made after this date.

