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SAMS
Designated for up to 3 SAM credits toward the
ABR Maintenance of Certification program

UC DAVIS
HEALTH SYSTEM



SCAN FOR CONFERENCE
WEBPAGE

2013 UPDATE IN ADVANCED IMAGING

In the California Wine Country

MONDAY - THURSDAY

October 28-31, 2013

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RENAISSANCE®
THE LODGE AT SONOMA
RESORT & SPA

Sponsored by:
UC DAVIS HEALTH SYSTEM
Office of Continuing Medical Education
and Department of Radiology

Monday, October 28, 2013

6:30 am Registration, Continental Breakfast, Visit Exhibits

7:25 **Welcome, Review of Course Objectives**
John P. McGahan, M.D., F.A.C.R.

NEURORADIOLOGY

MODERATOR: MATTHEW BOBINSKI, M.D., PH.D.

7:30 **Presentation of Cranial Nerve Dysfunctions**
Arthur B. Dublin, M.D., M.B.A.

8:10 **Imaging of the Orbits**
Matthew Bobinski, M.D., Ph.D.

8:50 **Inflammatory, Immune-Mediated and Demyelinating Disorders of the Spinal Cord**
Anna E. Nidecker, M.D.

9:30 **Spine Emergencies; What Not To Miss**
Paul S. Lee, M.D.

10:10 Break, Visit Exhibits

10:30 **Head and Neck Pearls**
Matthew Bobinski, M.D., Ph.D.

11:10 **Imaging of Acute Stroke: 2013 Update**
Richard E. Latchaw, M.D.

11:50 **Practical Applications of Advanced MR Imaging**
Peter Y. Shen, M.D.

12:30 pm Lunch – on your own

MAMMOGRAPHY

MODERATOR: SHADI AMINOLOLAMA-SHAKERI, M.D.

2:00 **Breast Density, SB 1538, MRI and US**
Debra M. Ikeda, M.D.

2:30 **Tomosynthesis: Practical Aspects**
Shadi Aminololama-Shakeri, M.D.

3:00 **BI-RADS Update**
Debra M. Ikeda, M.D.

3:30 **Breast Ultrasound-Back to Basics**
Jonathan B. Hargreaves, M.D.

4:00 Break, Visit Exhibits

4:30 **Management of BI-RADS 3 Lesions**
Shadi Aminololama-Shakeri, M.D.

5:00 **SAM Credit**
Ductal Carcinoma In-Situ: An Update
Shadi Aminololama-Shakeri, M.D.

5:30 **SAM Credit**
Ductal Carcinoma In-Situ: Questions

5:45 **SAM Credit**
Ductal Carcinoma In-Situ: Answers

6-7:00 pm **Meet the Faculty Reception**
(Included in tuition, pre-registration required)

Tuesday, October 29, 2013

MSK

MODERATOR: JOHN C. HUNTER, M.D.

7:25 **Cartilaginous Lesions of Bone: How to Avoid Pitfalls in Diagnosis**
Adam Greenspan, M.D., F.A.C.R.

8:00 **Sprains, Strains, and Tears: The Classic Sports Injuries**
Brant D. Wommack, M.D.

8:30 **Pediatric Hip Disorders**
Cyrus P. Bateni, M.D.

9:00 **New Imaging Strategies in Arthritis**
John C. Hunter, M.D.

9:30 Break, Visit Exhibits

9:50 **Complications of Total Joint Arthroplasty**
Jasjeet Bindra, M.D.

10:20 **Mission Impossible: Avoiding Easily Missed MSK Diagnoses**
Robert D. Boutin, M.D.

10:50 **Intra-articular Masses**
Benjamin B. Chou, M.D.

11:20 **Interventional MSK**
Lance D. Edmonds, M.D.

11:50 **Technical Advances in MSK Imaging**
Thaddeus Laird, M.D., M.B.A.

12:20 **Question and Answer Session**

12:30 pm Lunch – on your own



Wednesday, October 30, 2013

7:00 am Continental Breakfast, Visit Exhibits

ABDOMINAL IMAGING

MODERATOR: JOHN P. McGAHN, M.D., F.A.C.R.

- 7:25** **MR of Hepatocellular Tumors: Adenomas, HCC, FNH**
Michael T. Corwin, M.D.
- 8:10** **Placenta Accreta a Difficult Diagnosis**
Simran Sekhon, M.D.
- 8:50** **Cystic Pancreatic Masses: Pearls and Pitfalls, A Case-based Review**
Ramit Lamba, M.B.B.S, M.D.
- 9:30** **Imaging the Teenage Abdomen**
Sandra W. Gorges, M.D.
- 10:00** Break, Visit Exhibits
- 10:20** **SAM Credit**
Renal/Adrenal Imaging
John P. McGahan, M.D., F.A.C.R.
- 11:00** **SAM Credit**
Renal/Adrenal Imaging – QUIZ
- 11:10** **SAM Credit**
Renal/Adrenal Imaging – ANSWER
- 11:20** **CT/MR Enterography for IBD and Other Indications Such As Bowel Mass or Bleed**
Eleanor Lee Ormsby, M.D., M.P.H.
- 12:00** **Question and Answer Session**
- 12:30** Adjourn

Thursday, October 31, 2013

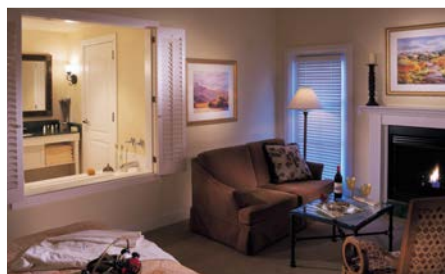
7:00 am Continental Breakfast, Visit Exhibits

THORACIC IMAGING

MODERATOR: JOHN P. McGAHN, M.D., F.A.C.R.

- 7:25** **News in Aortic Imaging: Detect, Measure, Report**
Friedrich D. Knollmann, M.D., Ph.D.
- 8:10** **Procedure Imaging After Ablation and SBRT**
Elizabeth H. Moore, M.D.
- 8:50** **Assessing Tumor Response to Treatment**
Friedrich D. Knollmann, M.D., Ph.D.
- 9:30** **CT of Aorta**
Ramit Lamba, M.D.
- 10:00** Break, Visit Exhibits
- 10:20** **Ablations With Laser and Other Treatment for AVM's**
Daniel P. Link, M.D.
- 10:50** **Non-gated Cardiac Imaging**
Elizabeth H. Moore, M.D.
- 11:20** **SAM Credit**
Coronary Imaging, CT versus MRI
Friedrich D. Knollmann, M.D.
- 12:00** **SAM Credit**
Coronary Imaging, CT versus MRI – QUIZ
- 12:10** **SAM Credit**
Coronary Imaging, CT versus MRI – ANSWER
- 12:20** **Question and Answer Session**
- 12:30** Adjourn

Have a safe journey home!



Faculty

COURSE CHAIR

John P. McGahan, M.D., F.A.C.R.

Professor of Radiology
Vice Chair of Radiology
Director of Abdominal Imaging

COURSE CO-CHAIR

John C. Hunter, M.D.

Professor of Clinical Radiology
Director of Musculoskeletal Imaging

GUEST FACULTY

Benjamin B. Chou, M.D.

Chief of Musculoskeletal Radiology
Associate Program Director
Santa Clara Valley Medical Center

Lance D. Edmonds, M.D.

Assistant Clinical Professor of Radiology
David Grant Medical Center,
Travis Air Force Base

Debra M. Ikeda, M.D.

Professor of Radiology
Director of Breast Imaging
Stanford Cancer Center
Stanford School of Medicine

Eleanor Lee Ormsby, M.D., M.P.H.

Department of Radiology
Napa Solano Area Kaiser

Brant D. Wommack, M.D.

Assistant Clinical Professor of Radiology
Adventist Medical Center
Oregon Health Sciences University

UC DAVIS FACULTY

Shadi Aminololama-Shakeri, M.D.

Assistant Professor of Clinical Radiology
Director of Breast Imaging Fellowship

Cyrus P. Bateni, M.D.

Associate Physician Diplomate

Jasjeet Bindra, M.D.

Assistant Professor of Clinical Radiology

Matthew Bobinski, M.D., Ph.D.

Associate Professor of Radiology
Interim Director of Neuroradiology

Robert D. Boutin, M.D.

Professor of Clinical Radiology

Michael T. Corwin, M.D.

Assistant Professor of Clinical Radiology
Director of Body MRI

Arthur B. Dublin, M.D., M.B.A., F.A.C.R.

Clinical Professor and Assistant Chair
Business and Outreach
Medical Director, UC Davis Imaging Center
Placer Center for Health

Sandra W. Gorges, M.D.

Professor of Clinical Radiology
Director of Pediatric Imaging

Adam Greenspan, M.D., F.A.C.R.

Professor of Clinical Radiology, Emeritus

Jonathan B. Hargreaves, M.D.

Associate Professor of Clinical Radiology

Friedrich D. Knollmann, M.D., Ph.D.

Professor of Clinical Radiology

Thaddeus Laird, M.D., M.B.A.

Physician Associate Diplomate

Ramit Lamba, M.B.B.S., M.D.

Associate Professor of Radiology
Director of CT

Richard E. Latchaw, M.D.

Professor of Radiology

Paul S. Lee, M.D.

Assistant Professor of Clinical Radiology

Daniel P. Link, M.D.

Professor of Radiology and Surgery
Chief of Interventional and Vascular
Radiology

Elizabeth H. Moore, M.D.

Professor of Clinical Radiology
Director of Chest Imaging

Anna E. Nidecker, M.D.

Assistant Professor of Clinical Radiology

Simran Sekhon, M.D.

Assistant Professor of Clinical Radiology

Peter Y. Shen, M.D.

Assistant Professor of Clinical Radiology

CONFERENCE COORDINATOR

Pamela Schneider

CME Specialist
Office of Continuing Medical Education
UC Davis Health System

TARGET AUDIENCE

This course is designed for radiologists and radiology technologists.

EDUCATIONAL NEED

As a result of course participant evaluations and our annual community physician needs assessment survey, the need for cutting edge information about relevant topics in diagnostic imaging has been identified. The UC Davis Department of Radiology is pleased to offer this diagnostic radiology course featuring a broad range of topics. Emphasis will be on newer MRI and CT imaging techniques in different anatomical regions of

the body. This course is designed to increase physician knowledge and improve competence by emphasizing new modalities and techniques in the areas of MRI, CT, PET, CTA, MDCT, and HRCT.

EDUCATIONAL DESIGN

Lectures with Q and A will present new and updated information. Case studies will be used to discuss clinical problems and encourage learners to inquire into, and think critically about solutions. An audience response system will be used during case discussions to provide active learning with immediate feedback and reinforcement.

EDUCATIONAL OBJECTIVES

At the end of the conference, participants should be able to:

Neuroradiology:

- Define the basic MRI & CT pathology of the cranial nerves
- Review orbital compartments and provide a simplified approach to interpreting most frequent orbital pathologic processes
- Discuss the accuracy of imaging methods for detecting acute cerebral infarction
- Evaluate techniques to determine the size of an infarct in the acute stroke patient
- Evaluate the cerebral vasculature to differentiate the potential success of treatment using intravenous thrombolysis versus endovascular techniques
- Explore utility and pitfalls of advanced MR imaging

Mammography:

- **SAM Credit - Ductal Carcinoma In-Situ: An Update**
- Evaluate supplemental imaging options for women with dense breast tissue in preparation for counseling patients and health care providers
- Utilize the latest data to implement and integrate tomosynthesis into your daily screening and diagnostic mammography practice
- Evaluate the updates on the BI-RADS lexicon for digital mammography, ultrasound and MRI
- Compare and update the role of ultrasound in the setting of newer modalities such as tomosynthesis and MRI
- Recognize the most appropriate criteria for short term follow up of probably benign breast lesions on mammography, ultrasound and MRI

MSK:

- Interpret images of cartilaginous lesions of bones that may create difficulties in the correct diagnosis
- Distinguish the characteristics of image findings on commonly seen pediatric and adult hip disorders
- Interpret the new diagnostic criteria for the diagnosis and management of arthritis by using advanced imaging
- Review plain radiographic, CT and MR imaging of complications related to arthroplasty of the hip, knee and shoulder joints
- Develop a systemic approach to intra-articular masses to allow confident diagnosis of these commonly encountered diseases

Abdominal Imaging:

- **SAM Credit - Renal/Adrenal Imaging**
- Use up-to-date MRI techniques to accurately diagnose the different types of hepatocellular liver tumors
- Become familiar with the LI-RADS reporting system for focal liver lesions in the cirrhotic patient
- Evaluate imaging studies performed on adolescent patients with abdominal pain
- Discuss the techniques and utility of CTE and MRE in the setting of inflammatory bowel disease and beyond such as small bowel mass or GI bleed
- Enhance efficacy of CTE and MRE by reviewing and choosing the appropriate exam for different patients with different clinical settings

Thoracic Imaging:

- **SAM Credit - Coronary Imaging, CT versus MRI**
- Review imaging of thoracic aortic disease, and report aortic conditions according to current guidelines
- Review standardized methods of measuring the success of therapy in solid thoracic malignant tumors
- Compare the effectiveness of cardiac MRI with coronary CT in the diagnosis of coronary heart disease

CONFERENCE REGISTRATION

Please register early – space is limited.

Tuition is \$885 for physicians and \$780 for all others. **Confirmation of registration will be sent within two weeks after receipt of registration form.** The fees will increase after August 26, 2013.

Tuition includes continental breakfasts, refreshment breaks, electronic syllabus, and an online certificate of attendance. Tuition may be paid by check, American Express, Discover, MasterCard or VISA. Cash is not accepted. UC Davis Health System and UC Davis School of Medicine faculty and staff are eligible for tuition discounts. See registration form for details. Program materials cannot be guaranteed unless registration is received by October 18, 2013. The Office of Continuing Medical Education reserves the right to cancel this conference. In such a case, a full refund will be given.

Registration forms received without payments will not be processed until payment is received, and payment must follow within 10 days. Early discount rates are honored if payment is received by the date noted on the registration form. After that date, the late fee is applied.

CANCELLATION AND REFUND POLICY: A refund of tuition, less \$75 administrative fee, will be allowed if requested in writing by October 11, 2013. No refunds will be provided after this date.

ELECTRONIC EVALUATION AND CREDIT

The link to your electronic syllabus, evaluation and certificate of credit will be available for 30 days after the last day of the conference. Once you have completed the evaluation process your certificate will be available.

The electronic syllabus will be available to pre-registered attendees online prior to the conference for downloading and printing. A flash drive will be distributed at the conference. If you prefer to have a printed syllabus, we will be happy to accommodate you for an additional fee of \$80 if ordered by October 18, 2013.

ACCREDITATION

The University of California, Davis, Health System is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.



CREDIT DESIGNATION

PHYSICIAN CREDIT: The University of California, Davis, Health System designates this live activity for a **maximum of 22.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

EARN 3 SAM CREDITS

As of January 1, 2013, the American Board of Radiology (ABR) requires Radiologists to have a minimum of 25 of the 75 AMA PRA Category 1 Credits™ be Self Assessment credits (required every 3 years). An opportunity for completion of three self-assessment modules (SAM) will be offered during this course. The lecture *Ductal Carcinoma In-Situ: An Update, Renal/Adrenal Imaging and Coronary Imaging, CT versus MRI* are each eligible for 1 SAM Credit. These SAM credits are currently pending approval by the American Board of Radiology in meeting the criteria for self-assessment toward the purpose of fulfilling requirements in the ABR Maintenance of Certification Program. SAM credits are required for radiologists certified since 2002.

AMA PRA Category 1 Credits™ acceptable for interprofessional team members

NURSE: For the purpose of recertification, the American Nurses Credentialing Center accepts **AMA PRA Category 1 Credits™** issued by organizations accredited by the ACCME. For the purpose of relicensure, the California Board of Registered Nursing accepts **AMA PRA Category 1 Credits™** (report hours of credit and fill in "CME Category 1" for the provider number).

PHYSICIAN ASSISTANT: The National Commission on Certification of Physician Assistants (NCCPA) states that **AMA PRA Category 1 Credits™** are acceptable for continuing medical education requirements for recertification.

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THE LODGE AT SONOMA
RESORT & SPA

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(707) 935-6829 Fax
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Indulge in an Exquisite Northern California Spa Resort... offering complete tranquility at the Lodge at Sonoma Renaissance Resort and Spa. Nestled in Sonoma Valley, this California wine county resort is less than an hour north of San Francisco and located among the country's finest wineries. **Reservation Deadline of October 14, 2013.**

A block of rooms is being held for course participants at the rates listed below single or double occupancy plus hotel and sales tax (extension dates may be available).

Lodge Rooms: \$228 Cottage Rooms: \$258
(Pending Availability)

Cottage Rooms are spacious, luxurious and have a fireplace which warms the cozy sitting area. Optional privacy shutters separate the deep soaking bath from the main room. Each room features an intimate patio or balcony. Many have views of Sonoma's scenic rolling hills providing the perfect setting for a blissful getaway.

In the heart of Northern California's wine country, just blocks from historic Sonoma Plaza, The Lodge at Sonoma is the perfect intersection of recreation, relaxation and everything Sonoma County has to offer. Combining sophisticated European decor with a casual country ambiance, The Lodge is now Sonoma County's premiere world-class resort and spa. Raindance Spa offers treatments that draw upon the natural healing properties of the region's herbs, plants, minerals and fruits, including lavender and grape seed. Whether you travel by car, foot or rented bikes, you'll find The Lodge at Sonoma to be the perfect departure point for your idyllic wine-country tour.

By staying at the host hotel, you help the University of California, Davis meet its contractual obligations with Renaissance The Lodge at Sonoma and keep future registration fees reasonable. Please consider that when making your accommodation decisions. We encourage you to stay at the host hotel.

Layered clothing is recommended as the meeting room temperature may be uncomfortable for some, depending on personal preferences. If you have any special needs due to a disability as specified in the Americans with Disabilities Act, please call the Office of Continuing Medical Education at (916) 734-5390 so we may make the necessary.



AIR TRAVEL TO SACRAMENTO (SMF)

The Office of Continuing Medical Education has arranged group rates with United Airlines. Please read and follow the directions carefully to obtain these special rates for your travel to our conference.

United Airlines Online Reservations: To obtain Groups and Meetings discount prices go to <http://www.united.com> and **enter offer code: ZNNT235740**

GROUND TRANSPORTATION

Hertz Car Rental: To obtain discount prices go to <http://www.hertz.com> and **enter Convention Number 04H70004** for discounted rates.

National Car Rental: 1 (800) CAR-RENT and **request ID #5282865** for discounted rates.

UC DAVIS HEALTH SYSTEM CME MISSION STATEMENT

To educate health care providers through evidence-based activities that emphasizes advances in medicine, new medical technology, biomedical research, and changes in health care delivery to improve clinical outcomes.

UC DAVIS HEALTH SYSTEM CME VISION

Providing medical education for health care professionals to improve patient care.

FOR FURTHER INFORMATION

UC Davis Health System	1 (866) CME4EDU (263-4338)
Office of Continuing Medical Education	(916) 734-5390
3560 Business Drive, Suite 130 Fax	(916) 734-0742
Sacramento, CA 95820-2161	http://cme.ucdavis.edu

BROCHURE ART CREDIT

Brochure images courtesy of Accreditation Council for Continuing Medical Education, Accreditation Council for Pharmacy Education (if credit is given), UC Davis Public Affairs, The Lodge at Sonoma, and iStockphoto.com.

Registration Application Form

2013 UPDATE IN ADVANCED IMAGING • OCTOBER 28-31, 2013

First Name _____ M.I. _____ Last Name _____

☐ MD ☐ DO ☐ AR ☐ PA ☐ NP ☐ RN Lic. # _____ ☐ Other: _____

Institution/Employer (as you would like it to appear on your badge) _____ Profession/Occupation _____

Home Address (or where you would like your receipt mailed) _____

City _____ State _____ Zip Code _____

() ()

Day Phone _____ Fax Number _____

E-mail for link to electronic syllabus. UC Davis CME will not use your email for any purpose other than corresponding with you.

Physician information required for CME credit and name badge. Please indicate primary medical specialty:

☐ R ☐ DR ☐ CTR ☐ SR ☐ PR ☐ Surgery ☐ IM ☐ Other (specify) _____

Social Security Number (last 4 digits required for transcript purposes)

☒ ☒ ☒ - ☒ ☒ - ☐ ☐ ☐ ☐

Please copy the mail code from the address side of the brochure:

(Above your name, e.g. PPRAD, MMSRAD, CRDRAD) _____

Web

If you did not receive a brochure in the mail, how did you hear about this conference?

(Example: PT&MG, UCD website, web search, magazine, colleague) _____

REGISTRATION FEES (Receipt/Confirmation will be mailed within two weeks)

	Early Discount	After August 26
Physician	☐ \$885	☐ \$960
Other Health-care Professional	☐ \$780	☐ \$855

UC DAVIS AFFILIATE FEES (Please specify) ☐ Faculty ☐ Staff

	Early Discount	After August 26
Physician	☐ \$805	☐ \$880
Other Health-care Professional	☐ \$710	☐ \$785

7 Digit Acct. # _____ Authorized Signature and Phone # _____ Department _____

☐ If you need disability accommodations at the meeting, please let us know by **October 18, 2013** and our representative will contact you.

Please check your payment method:

Registration forms received without check, credit card number or purchase order number will not be processed until payment is received.

☐ Check enclosed payable to: **UC Regents** ☐ AMEX ☐ Discover ☐ MasterCard ☐ VISA

Account Number _____ Expiration Date _____

Authorized Signature (name on card) _____ 3 Digit Security Code _____

HAVE YOU ATTENDED THIS CONFERENCE IN THE PAST? ☐ YES ☐ NO

ELECTRONIC SYLLABUS

The electronic syllabus will be available to pre-registered attendees online prior to the meeting for downloading and printing. A USB flash drive will be distributed at the conference. If you prefer to have a printed syllabus, we will be happy to accommodate you for an additional \$80 if ordered by October 18, 2013.

☐ Flash Drive (included in tuition)
☐ Printed: (additional \$80)

ACTIVITY RESERVATION

(included in tuition, pre-registration required, guests invited)

☐ I will attend the reception alone
☐ I will not be attending the reception
☐ I will attend with the following guests:

_____ Adults x \$50

Name(s) _____

Please use ONE of these methods to register:



MAIL APPLICATION AND PAYMENT TO:

Office of Continuing Medical Education,
c/o UC Davis Cashier's Office
PO Box 989062, West Sacramento, CA 95798-9062



TELEPHONE:

(916) 734-5390



FAX APPLICATION:

(916) 734-0742



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For Office
Use Only

RADIO14

6164

REGISTER ONLINE AT: <http://cme.ucdavis.edu/conferences>

2013 UPDATE IN ADVANCED IMAGING

In the California Wine Country

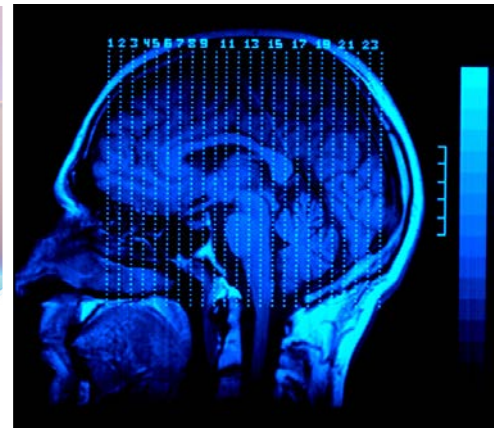
MONDAY-THURSDAY

October 28-31, 2013

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HIGHLIGHTS:

- Earn 3 SAMs Credits
- Learn How to Use LI-RAD Reporting System
- Tomosynthesis In Your Mammography Practice
- Arthritis Imaging
- Breast Density Law: MRI & Ultrasound
- Technical Aspects of MSK & MRI
- CNS MRI



This program is self-supporting and receives no state funding.