UCSF RADIATION ONCOLOGY UPDATE: PROGNOSIS AND PREDICTION

ST. REGIS HOTEL • SAN FRANCISCO, CALIFORNIA

FRIDAY - SUNDAY
April 20-22, 2018

COURSE DIRECTORS
Sue S. Yom, MD, PhD, MAS
Associate Professor
Department of Radiation Oncology
Timothy Solberg, PhD
Professor and Chief of Physics
Department of Radiation Oncology

CONFERENCE MANAGER
Alan Taniguchi
OVERVIEW

There is a growing collection of tools related to prognosis and prediction across the domains of radiation oncology practice. In the context of competing clinical, radiographic, biologic, genetic, and computational evaluations, the challenge is how to integrate these into meaningful decision making for an individual patient. In addition, other major trends affecting contemporary radiation oncology practice include the emergence of value-based care, safety culture, and implementation of the new 2018 staging system.

At the end of this activity, attendees should be able to:

- Name 3 major updates in the AJCC 8th edition staging manual.
- Provide 3 examples of genetic and molecular factors that predict a patient’s response to treatment.
- Describe how radiomics, machine learning, and deep learning predict a patient’s response to treatment.
- Cite 3 current approaches to combining immunologic therapy with radiation therapy.
- Compare and contrast engineering and radiation oncology safety principles.
- List the elements of quality improvement.

GENERAL INFORMATION

Advanced registration closes one (1) business day prior to start of course.

HOW TO ENROLL

Tuition: $650 Practicing Physicians $550 All others

Payment can be made by Visa, MasterCard, AmEx or check.

REGISTER VIA

Online: cme.ucsf.edu

Mail: Complete course registration form and send with payment to: UCSF Office of CME P.O. Box 45368 San Francisco, CA 94145

Fax: Fax completed registration form to: (415) 502-1795 (be sure to include your credit card number)

Phone: To register by phone or to inquire about registration status, please call UCSF’s CME Registration Office at (415) 478-5808.

Please check our website for up-to-date information on the course: cme.ucsf.edu

On-Site Registration: Generally we are able to accommodate on-site registration at our courses however pre-registration is preferred to ensure that we have adequate course materials.

REFUND POLICY

Cancellations received in writing before the first day of the course will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.

CONFERENCE LOCATION

Enjoy San Francisco’s renowned attractions such as the historic cable cars, shopping in Union Square, or visit San Francisco’s culinary hub at the Ferry Building.

The St. Regis Hotel is just steps from Union Square and the Theatre District. A block of guestrooms has been reserved at the special UCSF conference rate of $375/night. You are urged to make your reservations early. The cut off date is March 20, 2018, or until the group room block is filled. After this date, rooms will be provided on a space-available basis only. Please call to book your reservation, at (415) 284-4000. Please identify yourself as a member of this conference and ask for UCSF Radiation Oncology rate.

By staying at the host hotel, you help UCSF meet its contractual obligations and keep registration fees reasonable.

April 20-22, 2018

St. Regis Hotel
San Francisco, CA

ACCREDITATION

The University of California, San Francisco School of Medicine (UCSF) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

UCSF designates this live activity for a maximum of 16 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This CME activity meets the requirements under California Assembly Bill 1195, continuing education and cultural and linguistic competency.

SA-CME credits will be offered for case-based learning sessions

Nurses:

For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 Credits™ issued by organizations accredited by the ACCME.

Physician Assistants:

AAPA accepts category 1 credit from AOACCME, Prescribed credit from AAFP, and AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

Pharmacy:

The California Board of Pharmacy accepts as continuing professional education those courses that meet the standard of relevance to pharmacy practice and have been approved for AMA PRA Category 1 Credit™.
## FRIDAY, APRIL 20, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>1:00 pm</td>
<td>Opening</td>
<td>Catherine Park, MD</td>
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<tr>
<td>1:05</td>
<td>DAY 1 Announcements</td>
<td>Sue Yom, MD, PhD</td>
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<tr>
<td>1:10</td>
<td>GENITOURINARY MALIGNANCIES</td>
<td>Felix Feng, MD, PhD</td>
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<td>1:25</td>
<td>Bladder Cancer: What are Optimal Treatments in 2018 and Who are They For?</td>
<td>Terence Friedlander, MD</td>
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<td>1:40</td>
<td>Genitourinary Case-based Learning: Self-assessment Session*</td>
<td>Anthony Wong, MD, PhD, Alexander Gottschalk, MD, Joe Hsu, MD, Felix Feng, MD, PhD, Adam Cunha, PhD</td>
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<tr>
<td>2:40</td>
<td>2018 THEODORE L. PHILLIPS LECTURE</td>
<td>Sue Yom, MD, PhD</td>
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<tr>
<td>2:40</td>
<td>Introduction</td>
<td>Mitchell Machtay, MD</td>
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<td>2:45</td>
<td>THORACIC MALIGNANCIES</td>
<td>Kirk Jones, MD, Matthew Gubens, MD</td>
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<td>4:00</td>
<td>Changes in Thoracic Pathology and Staging in 2018</td>
<td>Caroline McCoach, MD, with Sue Yom, MD, PhD, Alexander Gottschalk, MD, PhD, Kirk Jones, MD, Matt Gubens, MD, Binh Trinh, MD, PhD, Martina Descovich, PhD</td>
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<td>4:15</td>
<td>Lung Cancer: Chemotherapy vs Targeted Therapy vs Immunotherapy in 2018</td>
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<td>4:30</td>
<td>Thoracic Case-based learning: Self-assessment Session*</td>
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## SATURDAY, APRIL 21, 2018

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>DAY 2 Announcements</td>
<td>Sue Yom, MD, PhD</td>
</tr>
<tr>
<td>8:10</td>
<td>BREAST MALIGNANCIES</td>
<td>Rick Baehner, MD</td>
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<td>8:25</td>
<td>Adjuvant and Neoadjuvant Nodal Management for Planned Mastectomy</td>
<td>Rita Mukhtar, MD</td>
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<tr>
<td>8:40</td>
<td>Breast Case-based Learning: Self-assessment Session*</td>
<td>Catherine Park, MD with Tracy Sherritz, MD, Rick Baehner, MD, Rita Mukhtar, MD</td>
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<td>9:40</td>
<td>2018 J. FRANZ BUSCHKE LECTURE</td>
<td>Catherine Park, MD</td>
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<td>9:50</td>
<td>Buschke Lecture: Applying Engineering Principles to Improve Safety in Radiation Oncology</td>
<td>Lawrence Marks, MD</td>
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<tr>
<td>10:40</td>
<td>Break</td>
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<tr>
<td>11:00</td>
<td>SAFETY CULTURE AND QUALITY IMPROVEMENT</td>
<td>Timothy Solberg, PhD</td>
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<td>11:30</td>
<td>What is Quality Improvement?</td>
<td>Lei Choi, MD</td>
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<td>11:50</td>
<td>Lunch</td>
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<td>12:20 pm</td>
<td>Optional Lunchtime Lecture: MIPS/MACRA and Your Practice</td>
<td>Shannon Fogh, MD</td>
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<td>12:50</td>
<td>RADIOMICS AND MACHINE LEARNING</td>
<td>Olivier Morin, PhD</td>
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<td>1:05</td>
<td>Fundamentals of Machine Learning: A Primer for Clinicians</td>
<td>Gilmer Valdes, PhD</td>
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<td>1:20</td>
<td>Deep Learning in Radiation Oncology and Medicine</td>
<td>Vasant Kearney, PhD</td>
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<td>1:35</td>
<td>Break</td>
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<tr>
<td>1:55</td>
<td>HEAD AND NECK MALIGNANCIES</td>
<td>Alain Algazi, MD</td>
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<td>2:10</td>
<td>Competing Risk Models of Mortality: Designing Trials In the Elderly and Poor-Prognosis Patients</td>
<td>Loren Mell, MD</td>
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<td>2:30</td>
<td>Head and Neck Case-based Learning: Self-assessment Session*</td>
<td>Sue Yom, MD, PhD, with Patrick Ha, MD, Alain Algazi, MD, Javier Villanueva-Meyer, MD, Josephine Chen, PhD, Loren Mell, MD</td>
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SATURDAY, APRIL 21, 2018 (CONT’D)

HIGH-VALUE CARE
3:30 Predicting and Treating Skin Injury in Radiation Oncology Patients Florence Yuen, NP
3:45 Proactive Pain Management for Radiation Oncology Patients Carly Zapata, MD, MPH
4:00 The California End-of-Life Options Act: Who It’s For and Who Will Use It Michael Rabow, MD
4:20 Break

GYNECOLOGIC MALIGNANCIES
4:40 2018 AJCC Staging and the Evolving Role of Sentinel Node Biopsy Lee-May Chen, MD
4:55 Immunotherapy in Gynecologic Malignancies: What’s Coming Next Edwin Alvarez, MD
5:10 Gynecologic Case-based Learning: Self-Assessment Session* Tracy Sherertz, MD with Joe Hsu, MD, Adam Cunha, PhD, Loren Mell, MD

6:00-7:00 pm All-Attendee Reception

SUNDAY, APRIL 22, 2018

8:00 DAY 3 Announcements Sue Yom, MD, PhD
GASTROINTESTINAL MALIGNANCIES
8:10 Molecular Predictors of Response in Pancreatic Cancer Andrew Ko, MD
8:25 Choosing the Right Patient: Radiographic Predictors in Pancreas Cancer Mekhail Anwar, MD, PhD and Spencer Behr, MD
8:40 GI Case-Based Learning: Self-Assessment Session* Mekhail Anwar, MD, PhD, with Mary Feng, MD, Andrew Ko, MD, Spencer Behr, MD

9:40 Break

LYNN J. VERHEY MEMORIAL LECTURE
10:10 Introduction Patricia Sneed, MD
10:20 Lynn Verhey, in Memoriam: A Lifetime of Innovation Ping Xia, PhD

CENTRAL NERVOUS SYSTEM MALIGNANCIES
11:00 Germline Variants and Prediction in Oncology Jean Nakamura, MD, PhD
11:15 Predictive Imaging Technology to Assess Brain Radiotherapy Outcomes in the Age of Targeted Therapies and Immunotherapies Steve Braunstein, MD, PhD
11:30 CNS Case-Based Learning: Self-Assessment Session* Jean Nakamura, MD, PhD, with Steve Braunstein, MD, PhD, Encouse Golden, MD, PhD, Lijun Ma, PhD, Paul Menzel, MD, David Raleigh, MD, PhD

12:30 Closing
* Self-assessment CME credits offered
COURSE DIRECTORS
Sue Yom, MD, PhD, MAS
Associate Professor, UCSF Radiation Oncology
Timothy Solberg, PhD
Professor and Chief of Physics, UCSF Radiation Oncology

VISITING FACULTY
Loren Mell, MD
Assistant Professor, Department of Radiation Oncology, UC-San Diego Comprehensive Cancer Center

THE THEODORE L. PHILLIPS LECTURE
Mitchell Machtay, MD
Chairman, Department of Radiation Oncology, University Hospitals Cleveland Medical Center

THE J. FRANZ BUSCHEK LECTURE
Lawrence Marks, MD
Dr. Sidney K Simon Distinguished Professorship of Oncology Research Professor and Chair, University of North Carolina - Chapel Hill

THE LYNN J. VERHEY MEMORIAL LECTURE
Ping Xia, PhD
Head of Physics, Department of Radiation Oncology, Cleveland Clinic

UCSF COURSE FACULTY (CONT’D)
Spencer Behr, MD
Assistant Professor, Department of Radiology
Steve Braunstein, MD, PhD
Assistant Professor, Department of Obstetrics and Gynecology
Josephine Chen, PhD
Assistant Professor, Department of Obstetrics and Gynecology
Lee-May Chen, MD
Professor, LEAN Promotion Office, UCSF Medical Center
Adam Cunha, PhD
Assistant Professor, Department of Pathology
Martina Descovich, PhD
Associate Professor, Department of Medicine
Mary Feng, MD
Associate Professor, Department of Obstetrics and Gynecology
Felix Feng, MD, PhD
Associate Professor, Department of Medicine
Terence Friedlander, MD
Associate Professor and Chief, Division of Hematology/Oncology, Zuckerberg San Francisco General
Shannon Fogh, MD
Associate Professor, Department of Radiation Oncology
Encouise Golden, MD, PhD
Assistant Professor, Department of Pathology
Alexander Gottschalk, MD, PhD
Professor, Department of Otolaryngology-Head and Neck Surgery
I-Chow (Joe) Hsu, MD
Professor, Department of Obstetrics and Gynecology

UCSF COURSE FACULTY (CONT’D)
Vasant Kearney, PhD
Physics Resident, Department of Medicine
Andrew Ko, MD
Professor, Department of Radiation Oncology
Lijun Ma, PhD
Professor, Department of Radiation Oncology
Caroline McCoach, MD, PhD
Assistant Professor, Department of Surgery
Paul Menzel, MD
Clinical Instructor, Department of Medicine
Olivier Morin, PhD
Assistant Professor, Department of Radiation Oncology
Rita Mukhtar, MD
Assistant Professor, Department of Surgery
Jean Nakamura, MD, PhD
Associate Professor, Department of Medicine
Michael Rabow, MD
Professor, Department of Radiation Oncology
David Raleigh, MD, PhD
Assistant Professor, Department of Surgery
Tracy Sherrertz, MD
Assistant Professor, Department of Medicine
Penny Sneed, MD
Professor, Department of Radiation Oncology
Binh Trinh, MD, PhD
Assistant Professor, Department of Surgery
Gilmer Valdes, PhD
Assistant Professor, Department of Medicine
Javier Villanueva-Meyer, MD
Assistant Professor, Department of Radiation Oncology
Anthony Wong, MD, PhD
Assistant Professor, Department of Surgery
Florence Yuen, NP
Nurse Practitioner
Carly Zapata, MD, MPH
Assistant Professor, Department of Radiation Oncology

UCSF COURSE FACULTY
Alain Algazi, MD
Assistant Professor, Department of Medicine
Edwin Alvarez, MD
Associate Professor, Department of Obstetrics and Gynecology
Mehkail Anwar, MD, PhD
Assistant Professor, Department of Pathology
Rick Baehner, MD
Assistant Professor, Department of Pathology

UCSF COURSE FACULTY (CONT’D)
Matthew Gubens, MD
Associate Professor, Department of Pathology
Patrick Ha, MD
Professor, Department of Otolaryngology-Head and Neck Surgery
Kirk Jones, MD
Professor, Department of Pathology

REGISTER TODAY!
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Course Information: (415) 476-4251

☐ Dr. ☐ Ms. ☐ Mr. ☐ Mrs.

Last Name First M.I.

Degree Specialty

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City State Zip

Daytime Phone Fax

Email

Address Label Code (see address label: example, A, B, C, D, etc.)

Would you like to be on our priority email list? ☐ Yes ☐ No

Date of birth to be used as OCME registrant number: ___ / ___ / X X

Please indicate if you have any special needs:

REGISTRATION FEES:
☐ $600 Practicing Physicians
☐ $500 Physicists/Dosimetrists/Nurses/Pharmacists/Allied Health Professionals

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Card # Expiration date

Name on Card (Please Print) Authorized Signature

Refund Policy: Cancellations received in writing before the first day of the course will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.

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