

The Department of Radiation Oncology
University of California San Francisco School of Medicine

UCSF Radiation Oncology Update: The Science and Practice of Hypofractionation 2024



Friday - Sunday

April 5-7, 2024

THE ARGONAUT HOTEL • SAN FRANCISCO, CA

CREDITS OFFERED THIS YEAR

- AMA PRA Category 1
- CAMPEP - [This meeting has applied to CAMPEP for approval of 14.84 MPCEC hours.](#)
- ASRT and MDCB

UCSF Radiation Oncology Update: The Science and Practice of Hypofractionation 2024

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OVERVIEW

Come enjoy the visually delightful and relaxing waterfront environment of San Francisco, while obtaining a focused training and update on hypofractionation and its most common applications, stereotactic radiosurgery (SRS) and stereotactic body radiation therapy (SBRT). We will cover the basics of stereotactic radiobiology and physics, established and emerging clinical applications of SRS/SBRT and hypofractionation, integration of SRS/SBRT with targeted therapy, immunotherapy, and chemotherapy, new techniques for planning and delivering stereotactic treatments, and approaches to SRS/SBRT quality assurance and verification. The course will review practical implementation of hypofractionation and/or stereotactic radiotherapy for patients. Case studies, templates, and resource materials will be provided, along with close personal interaction with expert panelists, to maximize learning opportunities.

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

- Describe the fundamental radiobiological principles governing hypofractionation.
- Name the major image guidance and dose summation technologies that can be used for SBRT.
- Develop an optimal prostate SBRT plan.
- Contour a breast plan in preparation for hypofractionated treatment planning.
- Combine lung SBRT with systemic therapies or immunotherapy.
- Combine head and neck SBRT with systemic therapies or immunotherapy.
- Incorporate MR into liver SBRT delivery.
- Decide between single and multi-fraction SRS for brain metastases.
- Select hypofractionation versus IMRT-SIB techniques for gynecologic cancers.

GENERAL INFORMATION

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

HOW TO ENROLL

Tuition: **\$750** Practicing Physicians
\$600 AHPs
\$325 Residents/Fellows
\$375 Medical Physicists

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
490 Illinois Street, Floor 8
San Francisco, CA 94143

Phone: To register by phone or to inquire about registration status, please call UCSF's CME Registration Office at (415) 476-5808.

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

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

Argonaut Hotel
495 Jefferson St.
San Francisco, CA 94109

Special Room Rate of **\$285**

Hotel booking code:

<https://www.argonauthotel.com/reservations/#/booking/step-2?arrive=4/5/2024&depart=4/7/2024&adult=1&child=0&group=UCO308G>

Immerse yourself in the Wharf's rich history and present-day character at our award-winning San Francisco boutique hotel.

Argonaut Hotel merits a term like iconic both for its past and its present. A recipient of the AAA Four Diamond Award for 20 consecutive years, the Argonaut boasts a location just as noteworthy as its accolades and high-touch service. Guests wake to views of the San Francisco Bay, Alcatraz, and the Golden Gate Bridge before venturing mere steps to explore Ghirardelli Square, Fisherman's Wharf, and some of the city's best parks.

Uncover the storied past of the Wharf through the preserved and timeless walls that house our Fisherman's Wharf luxury hotel. Located in the landmark Haslett Warehouse building, Argonaut's enduring character shines bright through the hotel's gracious team, stellar reputation, and bountiful amenities.

COURSE QUESTIONS/INQUIRIES

Alan Taniguchi – alan.taniguchi@ucsf.edu

The Science and Practice of Hypofractionation 2024

DAY 1 • FRIDAY, APRIL 5, 2024 • All times are Pacific Daylight Time (PDT)

1:00 pm	Opening	
1:05	Day 1 Announcements	
FUNDAMENTALS OF HYPOFRACTIONATION		
1:10	Radiobiology of Hypofractionation	Brian Marples, MD
1:35	Commercially Available Image Guidance Options: CT, MRI, PET, Surface	Dante Capaldi, PhD
1:50	Plan Summation: How to Account for Dose, Time, Fractionation using Current Commercial Solutions	Emily Hirata, PhD
2:10	PHILLIPS LECTURE: New Technologies for SBRT: AI, Radiomics, Personalized PULSAR, CoPlanar and non-Coplanar Planning	Ke Sheng, PhD
2:50	Q/A	
3:00	Break	
GENITOURINARY		
3:20	Optimizing Prostate SBRT: Dose Fractionation, Image Guidance, Nerve-sparing and Peri-rectal Spacers	Anthony Wong, MD
3:40	Focal SBRT vs Extended Nodal RT in the Management of Oligometastatic Prostate Cancer	Mack Roach, MD
4:00	Salvage Re-irradiation: Brachytherapy vs SBRT	I-Chow (Joe) Hsu, MD
4:20	Role of SBRT in Primary and Oligometastatic Renal Cancer	Julian Hong, MD
4:35	MR vs CT/X-ray Guided Prostate RT	Jessica Scholey, PhD
4:50	Q&A	
5:00 pm	GU Contouring and Planning Practicum	Anthony Wong, with Mack Roach, Joe Hsu, Alex Gottschalk, Julian Hong, Jessica Scholey

DAY 2 • SATURDAY, APRIL 6, 2024

7:30 am	Breakfast	
8:00	Day 2 Announcements	
BREAST		
8:10	Hypofractionated Whole Breast Irradiation and Accelerated Partial Breast Irradiation	Jean Wright, MD
8:35	Surgical Considerations for Target Delineation in Breast Radiotherapy	Karen Goodwin, DO
8:55	Surface Image Guidance vs. Spirometry for Left Breast RT	Tomi Nano, PhD
9:10	Q&A	
9:20	Breast Contouring and Planning Practicum	Nicolas Prionas, with Lisa Singer, Karen Goodwin, Christine Chung, Jean Wright
9:50	BUSCHKE LECTURE: Oligometastasis: Past, Present, and Future	David Palma, MD
10:30	Break	
THORACIC		
10:50	SBRT Technical Considerations in Combinations with Systemic Therapies and Immunotherapy	Lucas Vitzthum MD
11:10	Status of Hypofractionation in Locally Advanced NSCLC Combined with Systemic Therapies and Immunotherapy	Sue Yom, MD
11:30	Lung Reirradiation – Deformation and Dose Summation	Katelyn Hasse, MD
11:50	Developing a Cardiac Arrhythmia SBRT Program	Lisa Singer, MD
12:10 pm	Q&A	
12:20	Lunch	
1:20	Thoracic Contouring and Planning Practicum	Nam Woo Cho, with Megan Daly, Sue Yom, Katelyn Hasse, Lisa Singer, Lucas Vitzthum, David Palma
HEAD AND NECK AND CUTANEOUS		
1:50	Hypofractionated Reirradiation in HN Cancer and Integration with Targeted Therapy and Immunotherapy	Jason Chan, MD
2:10	Skin Cancer Fractionation and Integration with Targeted Therapy and Immunotherapy	Sue Yom, MD



DAY 2 • SATURDAY, APRIL 6, 2024 *(continued)*

2:25 pm	AI-based Contouring, Automated Planning and QA in HN	Hui Lin, PhD
2:45	Q&A	
2:55	<i>Break</i>	
3:15	HN Contouring and Planning Practicum	Jason Chan, with Sue Yom, Hui Lin, Mary Jue Xu, Hyu Kang
GI CANCER		
3:45	MR Guided RT in Pancreas Cancer: Trials, Patterns of Failure, and Contouring using MR	Michael Chuong, MD
4:10	Liver SBRT and its Combinations with Other Local and Systemic Therapies	Mekhail Anwar, MD
4:30	MR for Liver SBRT	Wensha Yang, PhD
4:45	Planning Abdominopelvic SBRT – Setup, Motion Management	Jose Ramos-Mendez, PhD
5:00	Q&A	
5:10	GI Contouring and Planning Practicum	Will Chen, with Michael Chuong, Mekhail Anwar, Wensha Yang, Jose Ramos-Mendez
5:40-7:00 pm	Cocktail Reception for all participants and exhibitors	

DAY 3 • SUNDAY, APRIL 7, 2024

7:30 am	<i>Continental Breakfast</i>	
8:00	Day 3 Announcements	
CENTRAL NERVOUS SYSTEM		
8:10	Hypofractionation for Recurrent Glioma – Patient Selection and Techniques	Lauren Boreta, MD
8:30	Single vs Multifractionated Radiosurgery for Brain Metastases – Definitive vs Perioperative	Harish Vasudevan, MD
8:50	Normal Tissue Effects in the Setting of Hypofractionation	Jean Nakamura, MD
9:10	Treatment Planning for Multiple-Target Brain SRS/SBRT	Olivier Morin, MD
9:25	Advances in Spine Radiosurgery for Primary and Metastatic Tumors	Steve Braunstein, MD
9:45	Q&A	
9:55	RAFFLE	
10:00	<i>Break</i>	
10:20	CNS Contouring and Planning Practicum	Jean Nakamura, with Harish Vasudevan, Lauren Boreta, Olivier Morin, Steve Braunstein
GYNECOLOGIC CANCER		
10:50	Hypofractionation for Gynecologic Cancers and Combination with Systemic Therapies and Immunotherapy	Emi Yoshida, MD
11:10	IMRT-SIB for the Management of Vulvar Cancer	I-Chow (Joe) Hsu, MD
11:30	MR Guided GYN Brachytherapy: A State of the Art Review	Adam Cunha, PhD
11:50	Q&A	
12:00	GYN Contouring and Planning Practicum	Christina Phuong, with Emi Yoshida, Joe Hsu, Lee-May Chen, Adam Cunha
12:30-12:40 pm	Closing Messages and Adjourn	

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.

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 AOACME, 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™.

RTT/Dosimetrists ASRT and MDCB credits will be offered.

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Emi Yoshida, MD
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faculty

**UCSF RADIATION ONCOLOGY UPDATE:
THE SCIENCE AND PRACTICE OF HYPOFRACTIONATION**

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Mail to : UCSF Office of CME • Box 0742
490 Illinois Street, Floor 8
San Francisco, CA 94143

Online registration: **cme.ucsf.edu**
Registration Information: (415) 476-5808
Questions Regarding Course: alan.taniguchi@ucsf.edu

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Month Day

 Please indicate if you have any special needs: _____

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- ☐ **\$750** Practicing Physicians
☐ **\$600** Allied Health Professionals
☐ **\$325** Residents/Fellows

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Refund Policy: Cancellations received in writing before the first day of the course will be refunded, less a \$150 administrative fee. No refunds will be made on cancellations received after that date.

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

The Argonaut Hotel

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