

Emily Hirata

Emily Hirata, Ph.D.



Assistant Professor
Division of Physics
Department of Radiation Oncology

University of California, San Francisco
Helen Diller Family Comprehensive Cancer Center
Box 1708, 1600 Divisadero St, H1031
San Francisco, CA 94115
Phone: (415) 353-8975
Fax: (415) 415 353-9883
Email: Emily.Hirata@ucsf.edu ^[1]

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Professional Focus

Dr. Hirata is an Assistant Professor and Chief of Clinical Physics at the UCSF Department of Radiation Oncology. She received her Ph.D. in Biomedical Sciences from the University of Hawaii. She is certified by the American Board of Radiology in therapeutic radiologic physics, and has served as an accreditation surveyor for the American College of Radiology. Her clinical interests range from high dose rate brachytherapy and external beam photon radiotherapy, including specialized systems such as TomoTherapy. She is also interested in

treatment planning systems, optimization algorithms, and respiration and motion management strategies..

Education

1998-2001 Purdue University, West Lafayette, IN BS Physics

2001-2003 University of Wisconsin, Madison, WI. MS Medical Physics

2012-2017 University of Hawaii, Honolulu, HI. PhD Biomedical Sciences

Professional Experience

2015-2018	The Queen's Medical Center, Honolulu, HI,	Clinical Operations Manager	Radiation Oncology
2008-2018	The Queen's Medical Center, Honolulu, HI	Chief Medical Physicist	Radiation Oncology
2012-present	American College of Radiology	Accreditation Physicist Surveyor	Radiation Oncology
2003-2008	The Queen's Medical Center, Honolulu, HI	Medical Physicist	Radiation Oncology

Recent Significant Publications :

Y. Kuang, L Wu, E. Hirata, K. Miyazaki, M. Sato, S. Kwee, **Volumetric Modulated Arc therapy Planning for Primary Prostate Cancer With Selective Intraprostatic Boost Determined by 18F-Choline PET/CT.** Int J Radiation Oncology, Biology, Physics. Vol 91, Issue 5, 2015

J. Fagerstrom, E. Hirata. **Surface dose effects of linen coverings for breast and chest wall patients.** Radiation Therapist, 2014

E. Y. Hirata, C. Cunningham, J. A. Micka, H. Keller, M. W. Kissick, and L. A. DeWerd. **Low dose fraction behavior of high sensitivity radiochromic film.** Med. Phys. 32, 1054 (2005)

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