

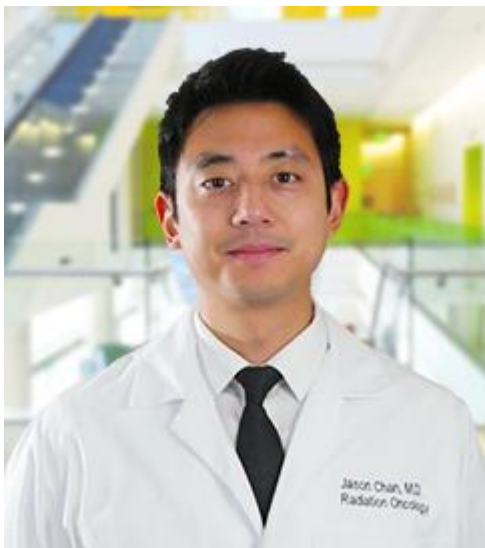
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Jason Chan

Jason Chan, M.D.

Assistant Professor
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: 415 353-3675
Fax: 415 353-8679
Jason.w.chan@ucsf.edu ^[1]

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Professional Focus

Dr. Jason Chan is a radiation oncologist who specializes in the treatment of head and neck, skull base, cutaneous, and thoracic malignancies. Dr. Chan received his undergraduate and medical degrees from Brown University. He completed his Internal Medicine internship at Kaiser Permanente San Francisco and his residency in Radiation Oncology at UCSF. He is

an investigator in a number of translational studies and clinical trials in head and neck and lung cancers. His research interests include HPV-associated oropharyngeal cancer, nasopharyngeal cancer, lung, thyroid, and cutaneous malignancies. His clinical practice offers a wide range of treatment options for first time and repeat radiotherapy including Cyberknife radiosurgery and high-dose-rate brachytherapy.

Education

2010	Brown University	BS	Biophysics
2014	The Warren Alpert Medical School of Brown University	MD	Medicine
2014-2015	Kaiser Permanente San Francisco Medical Center	Internship	Preliminary Medicine Internship
2015-2019	University of California, San Francisco	Residency	Radiation Oncology

Professional Experience

2019-present	University of California, San Francisco	Assistant Professor	Radiation Oncology
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Awards & Honors

2010	Magna Cum Laude
2010	Elizabeth Leduc Prize in Cell Biology, Brown University
2010	NSF-EPSCoR/Slater Technology Fund Entrepreneurial Fellowship
2011	Alpha Omega Alpha Carolyn L. Kuckein Student Research Fellowship
2013	UCSF Medical Student Fellowship in Radiation Oncology
2014	Omega Alpha Honors Society

Recent Significant Publications:

Kearney V, Chan JW, Wang T, Perry A, Yom SS, Solberg TD. **Attention-enabled 3D boosted convolutional neural networks for semantic CT segmentation using deep supervision.** Phys Med Biol. 2019 Jul 2;64(13):135001. doi: 10.1088/1361-6560/ab2818. PMID: 31181561

Chan JW, Kearney V, Haaf S, Wu S, Bogdanov M, Reddick M, Dixit N, Sudhyadhom A, Chen J, Yom SS, Solberg TD. **A convolutional neural network algorithm for automatic segmentation of head and neck organs at risk using deep lifelong learning.** Med Phys.

2019 May;46(5):2204-2213. doi: 10.1002/mp.13495. Epub 2019 Apr 4. PMID: 30887523

Brastianos PK, Galanis E, Butowski N, Chan JW, Dunn IF, Goldbrunner R, Herold-Mende C, Ippen FM, Mawrin C, McDermott MW, Sloan A, Snyder J, Tabatabai G, Tatagiba M, Tonn JC, Wen PY, Aldape K, Nassiri F, Zadeh G, Jenkinson MD, Raleigh DR. **Advances in multidisciplinary therapy for meningiomas.** International Consortium on Meningiomas. Neuro Oncol. 2019 Jan 14;21(Supplement_1):i18-i31. doi: 10.1093/neuonc/noy136. PMID: 30649489

Chan JW, Yeh I, El-Sayed IH, Algazi AP, Glastonbury CM, Ha PK, Yom SS, van Zante A. **Ultraviolet light-related DNA damage mutation signature distinguishes cutaneous from mucosal or other origin for head and neck squamous cell carcinoma of unknown primary site.** Head Neck. 2019 Jun;41(6):E82-E85. doi: 10.1002/hed.25613. Epub 2019 Jan 11. PMID: 30633411

Kearney V, Chan JW, Valdes G, Solberg TD, Yom SS. **The application of artificial intelligence in the IMRT planning process for head and neck cancer.** Oral Oncol. 2018 Dec;87:111-116. doi: 10.1016/j.oraloncology.2018.10.026. Epub 2018 Oct 31. PMID: 30527225

Kearney V, Chan JW, Haaf S, Descovich M, Solberg TD. **DoseNet: a volumetric dose prediction algorithm using 3D fully-convolutional neural networks.** Phys Med Biol. 2018 Dec 4;63(23):235022. doi: 10.1088/1361-6560/aaef74. PMID: 30511663

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UCSF Main Site

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[1] <mailto:Jason.w.chan@ucsf.edu>

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