



Shyam Rao, M.D., Ph.D.

Philosophy of Care I strive to work with each individual patient to provide the highest-quality care while also advancing our current cancer treatments. I am committed to individualized patient care, state-of-the-art treatment strategies, teaching and research to provide the best possible patient care.

Clinical Interests Dr. Rao specializes in the use of intensity-modulated radiation therapy (IMRT), image-guided radiation therapy (IGRT) and stereotactic body radiation therapy (SBRT). Using these advanced techniques, we can effectively treat tumors while reducing the chance of side effects. As cancers is often treated with a combination of therapies, Dr. Rao works closely with surgeons and medical oncologists to provide the optimal treatment for each patient. Dr. Rao was previously a faculty member at Memorial Sloan-Kettering Cancer Center in New York.

Research/Academic Interests Dr. Rao's research has focused on improving the effectiveness of radiation therapy and reducing treatment-related side effects.

Title Assistant Professor

Specialty [Radiation Oncology](#), [Cancer](#), Oncology

Department [Radiation Oncology](#)

Division Radiation Oncology

Center/Program Affiliation [UC Davis Comprehensive Cancer Center](#)

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Education M.D., UC Irvine College of Medicine, Irvine CA 2005
Ph.D., UC Irvine, Irvine CA 2003
B.A., UC Berkeley, Berkeley CA 1994

Internships Internal Medicine, Dartmouth-Hitchcock Medical Center, Lebanon NH 2006

Residency Radiation Oncology, Washington University, St. Louis MO 2010

Board Certifications American Board of Radiology, Radiation Oncology



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Professional Memberships

American Association for the Advancement of Science
American College of Radiology
American Society for Clinical Oncology
American Society for Radiology and Oncology
New York Head Neck Society

Honors and Awards

Hope Center for Neurological Disorders Research Award, 2009
Lloyd Guth Award for Excellence in Graduate Research, 2003
University of California, Regents Fellowship, 2000
University of California, Berkeley Outstanding Service Award, 1994

Select Recent Publications

Rao SD, Saleh ZH, Setton J, Tam M, McBride SM, Riaz N, Deasy JO, Lee NY. Dose-volume factors correlating with trismus following chemoradiation for head and neck cancer. *Acta Oncol.* 2015 Apr 29:1-6.

Tam M, Riaz N, Kannarunimit D, Peña AP, Schupak KD, Gelblum DY, Wolden SL, Rao S, Lee NY. Sparing Bilateral Neck Level IB in Oropharyngeal Carcinoma and Xerostomia Outcomes. *Am J Clin Oncol.* 2015 Aug;38(4):343-7.

Romesser PB1, Sherman EJ, Shaha AR, Lian M, Wong RJ, Sabra M, Rao SS, Fagin JA, Tuttle RM, Lee NY. External beam radiotherapy with or without concurrent chemotherapy in advanced or recurrent non-anaplastic non-medullary thyroid cancer. *J Surg Oncol.* 2014 Jun 24.

Riaz N, Hong JC, Sherman EJ, Morris L, Fury M, Ganly I, Wang TJ, Shi W, Wolden SL, Jackson A, Wong RJ, Zhang Z, Rao SD, Lee NY. A nomogram to predict loco-regional control after re-irradiation for head and neck cancer. *Radiother Oncol.* 2014 Jun 30.

Lok B1, Chin C, Riaz N, Ho F, Hu M, Hong J, Shi W, Zhang Z, Sherman E, Wong R, Morris L, Ganly I, Wolden S, Rao S, Lee N. Irradiation for locoregionally recurrent, never irradiated oral cavity cancers. *Head Neck.* 2014 Jun 21.



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Rao S, Thompson CM, Cheng J, Haimovitz-Friedman A, Powell SN, Fuks Z, Kolesnick RN. Axitinib Sensitization of High Single Dose Radiotherapy. *Radiother Oncol*. 2014 Apr;111(1):88-93. Epub 2014 Apr 29.

Rao SD, Fury MG, Pfister DG. Molecular Targeted Therapies in Head and Neck Cancer. *Seminars in Radiation Oncology*. *Semin Radiat Oncol*. 2012 Jul;22(3):207-13.

Baxi S, Fury M, Ganly I, Rao S, Pfister DG. Ten years of progress in head and neck cancers. *J Natl Compr Canc Netw*. 2012 Jul 1;10(7):806-10.

Rao S, Sengupta R, Choe A, Woerner B, Jackson J, Sun T, Leonard J, Piwnica-Worms D, Rubin JB. CXCL12 mediates trophic interactions between endothelial and tumor cells in Glioblastoma. *PLoS One*. 2012;7(3). Epub 2012 Mar 12.

Lok BH, Setton J, Caria N, Romanyshyn J, Wolden SL, Zelefsky MJ, Park J, Rowan N, Sherman EJ, Fury MG, Ho A, Pfister DG, Wong RJ, Shah JP, Kraus DH, Zhang Z, Schupak KD, Gelblum DY, Rao SD, Lee NY. Intensity-Modulated Radiation Therapy in Oropharyngeal Carcinoma: Effect of Tumor Volume on Clinical Outcomes. *Int J Radiat Oncol Biol Phys*. 2012 Apr 1;82(5):1851-7. Epub 2011 Jun 2.

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