D. Gregory Farwell, M.D., F.A.C.S.

Philosophy of Care

I take great pride in offering our patients the highest quality of care that is based on the latest research and cutting edge technologies. By working hard to communicate the treatment options, I do everything possible to make sure the patient feels comfortable with their treatment. Whether it is our minimally invasive approaches to thyroid and parathyroid surgeries, the use of the robot in cancer treatment, or our comprehensive reconstructive techniques, I strive to do everything possible to treat my patients in a manner that gives them their absolute best chance of cure while optimizing their functional and cosmetic results.

Clinical Interests

Dr. Farwell's clinical practice centers on the comprehensive management of head and neck malignancies including thyroid and parathyroid surgery. He has special interests in laser and robotic microsurgery of upper aerodigestive tract tumors and reconstructive surgery after traumatic and oncologic defects. His comprehensive approach to patient care allows the entire gamut of reconstructive surgery to be utilized to optimize his patients functional and cosmetic results. He has worked extensively on improving patient functional outcomes with microvascular organ replacement strategies and rehabilitation with coordinated speech and swallowing therapies available here at UC Davis.

His research endeavors include multiple collaborations with the UC Davis Department of Biomedical Engineering working on noninvasive and minimally invasive technologies to diagnose neoplasms, unique approaches to therapeutic drug delivery to neoplasms, and high-resolution imaging technologies. He also works closely with colleagues in the Department of Radiation Oncology and Medical Oncology to evaluate novel treatment strategies to minimize side effects and maximize patient functional outcomes.

Research/Academic Interests

Our first line of research is an RO1 NIH Grant evaluating noninvasive fluorescence of tissue during robotic surgery to improve cure and maximize function in patients with cancers of the tongue and tonsil. This has tremendous potential to improve our ability to completely remove a tumor while allowing us to leave as much normal tissue behind as possible to improve our patients' quality of life.

We are also looking at new biochemical compounds that can "light up" the cancers and also be used to treat the compounds through new technologies. We are incredibly excited about the opportunities associated with this approach.

We are also working on multidisciplinary research looking at thyroid cancer to better understand patients at high risk for aggressive disease so that we can customize our treatment to each patient.

Title

Chair, Department of Otolaryngology
Director, Head and Neck Oncology and Microvascular Surgery
Professor

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D. Gregory Farwell, M.D., F.AC.S.

Specialty	Head and Neck Cancer, Thyroid, Parathyroid, Microvascular Reconstruction
Department	Otolaryngology
Division	Head and Neck Surgery
Center/Program Affiliation	Center for Skull Base Surgery UC Davis Comprehensive Cancer Center
Address/Phone	Glassrock Building, Otolaryngology Speech Audio Clinic, 2521 Stockton Blvd. Suite 6201 Sacramento, CA 95817 **Phone:** 916-734-5400
Additional Phone	Clinic Phone: 916-734-8169 Clinic Phone: 916-734-5400 Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	M.D., Washington University School of Medicine, St. Louis MO 1994 B.A., Drury University, Springfield MO 1990
Internships	Surgery, Virginia Mason Medical Center, Seattle WA 1994-1995
Residency	Otolaryngology-Head and Neck Surgery, University of Washington, Seattle WA 1996-2000
Fellowships	Research Fellowship, Fred Hutchinson Cancer Research Center, Seattle WA 1995-1996
Board Certifications	American Board of Otolaryngology
Professional Memberships	American Academy of Otolaryngology - Head and Neck Surgery American Board of Otolaryngology American College of Surgeons American Head and Neck Society American Thyroid Association Sacramento Society Ear, Nose and Throat Society of University of Otolaryngologists-Head & Neck Surgeons
Honors and Awards	Chief of Staff Award, 2020 Faculty teaching award, 2015 Drury University Distinguished Alumni Award Career Achievement American Academy of Otolaryngology Head and Neck Surgery Distinguished Service Award

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Deans Team Award for Excellence for Laryngeal Transplant, University of California, Davis, 2010
Deans Team Award for Excellence for Voice & Swallow Center, University of California, Davis, 2010
Listed in Guide to Americas Top Physicians 2008 Edition by Consumers Research Council of America, 2008
American Academy of Otolaryngology-Head and Neck Surgery Foundation, Honor Award Recipient, 2007

Select Recent Publications

Cervenka B, Olinde L, Gould E, Farwell DG, Moore M, Kaufman M, Bewley AF. Use of a non-ICU specialty ward for immediate post-operative management of head and neck free flaps: a randomized controlled trial. Oral Oncol. 2019 Dec;99:104464. doi:10.1016/j.oraloncology.2019.1044464.Epub2019 Nov 1. PMID:31683172.

Ferrell JK, Singer MC, Farwell DG, Stack BC Jr, Shindo M. Evaluating contemporary pain management practices in thyroid and parathyroid surgery: A national survey of head and neck endocrine surgeons. Head Neck. 2019 Jul;41(7):2315-2323. doi:10.1002/hed.25694. [Epub ahead of print] PMID:30758893.

Gorpas D, Phipps J, Bec J, Ma D, Dochow S, Yankelevich D, Sorger J, Popp J, Bewley A, Gandour-Edwards R, Marcu L, Farwell DG. Autofluorescence lifetime augmented reality as a means for real-time robotic surgery guidance in human patients. Sci Rep. 2019 Feb 4;9(1):1187. doi:10.1038/s41598-018-37237-8. PMID:30718542.

Harris BN, Pipkorn P, Nguyen KNB, Jackson RS, Rao S, Moore MG, Farwell DG, Bewley AF. Association of Adjuvant Radiation Therapy with Survival in Patients with Advanced Cutaneous Squamous Cell Carcinoma of the Head and Neck. JAMA Otolaryngology-Head %26amp%3B Neck Surgery. 2019 Feb 1;145(2):153-158. doi:10.1001/ajmaoto.2018.3650. (Epub ahead of print) PMID:30570645.

Semrad TJ, Keegan T, Semrad AM, Brunson A, Farwell DG. Predictors of Neck Reoperation and Mortality after Initial Total Thyroidectomy for Differentiated Thyroid Cancer. Thyroid. 2018 Sep 1; 28(9):1143–1152. doi:10.1089/thy.2017.0483. [Epub ahead of print] PMID:2992945.

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Dort JC, Farwell DG, Findlay M, Huber GF, Kerr P, Shea-Budgell MA, Simon C, Uppington J, Zygun D, Ljungqvist O, Harris J. Optimal Perioperative Care in Major Head and Neck Cancer Surgery with Free Flap Reconstruction: A Consensus Review and Recommendations From the Enhanced Recovery After Surgery Society. JAMA Otolaryngology-Head and Neck Surgery. 2017 Mar 1;143(3):292-303. PMID:27737447.

Krishnan G, Du C, Fishman JM, Foreman A, Lott DG, Farwell G, Belafsky P, Krishnan S, Birchall MA. The current status of human laryngeal transplantation in 2017: A state of the field review. Laryngoscope. 2017 Feb 22;127(8):1861-1868. doi:10.1002/lary.26503. Epub ahead of print. PMID:28224630.

Harris B, Bewley A, Farwell DG, Rao, S. Primary Surgery for Advanced-Stage Laryngeal Cancer: A Stage and Subsite Specific Survival Analysis. Head %26amp%3B Neck. 2016 Sep;38(9):1380-6. doi:10.1002/hed.24443. [Epub ahead of print 2016 March 25] PMID:27014853.

Biron VL, Bang H, Farwell DG, Bewley AF. National Trends and Factors Associated with Hospital Costs Following Thyroid Surgery. Thyroid. 2015 Jul;25(7):823-9.

Semrad TJ, Semrad AM, Farwell DG, Chen Y, Cress R. Initial treatment patterns in younger adult patients with differentiated thyroid cancer in California. Thyroid. 2015 May;25(5):509-13.

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