

MARK SWANSON M.D.

1540 ALCAZAR ST. SUITE 204M, LOS ANGELES, CA 90033
PHONE (323) 442-5790 • E-MAIL MARK.SWANSON@MED.USC.EDU

FACULTY APPOINTMENTS

Keck School of Medicine of USC

Assistant Professor of *Otolaryngology*
Head and Neck Surgery

Los Angeles, California

September 2017 - Present

EDUCATION

University of Miami

Head & Neck - Surgical Oncology
and Microvascular Surgery Fellowship

Miami, Florida

2016 - 2017

Los Angeles County & USC Medical Center

Otolaryngology - Head and Neck Surgery:
Internship & Residency

Los Angeles, California

2011 - 2016

The Ohio State University College of Medicine

Doctor of Medicine M.D.

- Magna Cum Laude

Columbus, Ohio

2007 - 2011

Miami University

Bachelor of Arts in Chemistry

- Magna Cum Laude with honors
- Member of the Honors College
- 3.87 cumulative G.P.A.

Oxford, Ohio

2003 - 2007

CERTIFICATIONS & LICENSES

American Board of Otolaryngology Board Certification: 6/1/17 – 6/30/2027

California Medical License – A122905

DEA - FS5507491

NPI - 1821349440

Advanced Cardiac Life Support and Basic Life Support Certification (AMA)

EMPLOYMENT HISTORY

Kaiser Permanente West Los Angeles, CA 2015-2016: Per diem weekend call coverage

Jackson Memorial Hospital - Miami, FL 2016-2017: Attending Privileges

University of Miami Hospital - Miami, FL 2016-2017: Attending Privileges

Veterans Administration Hospital - Miami, FL 2016-2017: Attending Privileges

PUBLICATIONS & PRESENTATIONS

Peer Reviewed Journal Articles/Abstracts:

Itamura, K, **Swanson MS**. A Painless Retroauricular mass. *JAMA Otolaryngol Head Neck Surg*. 2019 Oct 31 [Epub ahead of print]. [PMID 31670791].

Sinha, U.K., **Swanson, MS**, Villegas, B.C., Ouyoung, L.M., & Kokot, N. Outcomes of Self-Esophageal Dilation for Head and Neck Cancer Patients. *Am J Speech Lang Pathol* 2019 May 20:1-7. [PMID 31112391]

Bertelsen C, Kevin G. King, **Swanson MS**, et al. Contrast-Enhanced Ultrasound with Perflubutane for Sentinel Lymph Node Mapping in Cutaneous Melanoma: A Pilot Study. *Laryngoscope* 129:117-1122. May 2019. [PMID 30284307].

Swanson MS, Low G, Sinha UK, Kokot N. Transoral surgery vs intensity-modulated radiotherapy for early supraglottic cancer: a systematic review. *Current opinion in otolaryngology & head and neck surgery*. April 2017, 25 (2):133-141. [PMID 28106658]

Swanson MS, Kokot N, Sinha UK. The Role of HPV in Head and Neck Cancer Stem Cell Formation and Tumorigenesis. *Cancers*. 2016; Feb 19;8(2): 24. [PMID 2907349]

Ouyoung, L.M., **M.S. Swanson**, B.C. Villegas, et al., ABCLOVE: Voice therapy outcomes for patients with head and neck cancer. *Head Neck*, 2016. 38 Suppl 1: p. E1810-3. [PMID 26689974]

Swanson MS, Hudson R, Bhandari N, Sinha UK, Maceri DR, Kokot N. Use of Octreotide for the Management of Chyle Fistula Following Neck Dissection. *JAMA Otolaryngol Head Neck Surg*. 2015 Aug;141(8):723-7. [PMID 26135979]

Swanson MS, Sinha UK. Rationale for combined blockade of PD-1 and CTLA-4 in Advanced Head and Neck Squamous Cell Cancer - Review of Current Data. *Oral Oncology*. 2015 Jan; 51(1):12-15. [PMID 25459157]

Swanson MS, Brown, TN. Laryngotracheal giant cell tumor: case report and literature review. *Case reports in Clinical Pathology*. 2015; 2(2). <http://dx.doi.org/10.5430/crcp.v2n2p12> [DOI: 10.5430/crcp.v2n2p12]

Swanson MS, Sinha UK. Diagnosis and Management of Merkel Cell Carcinoma of the Head and Neck: Current Trends and Controversies. *Cancers*. 2014; 6(3):1256-1266. [PMID 24978433]

Radhakrishnan V, **Swanson MS**, Sinha UK. Monoclonal Antibodies as Treatment Modalities in Head and Neck Cancers. *AIMS Medical Science*, 2015, 2(4): 347-359. [DOI: 10.3934/medsci.2015.4.347]

Clinical Trials

Co-investigator on Phase II clinical trial - "A Randomized Phase 2 Trial of Neoadjuvant and Adjuvant Therapy with the IRX-2 Regimen in Patients with Newly Diagnosed Stage III or IVA Squamous Cell Carcinoma of the Oral Cavity" [<https://clinicaltrials.gov/ct2/show/NCT02609386?term=IRX-2+AND+Squamous+Cell&rank=1>] – Now Closed

Publications During Medical School

MS Swanson, JW Prescott, TM Best, K Powell, RD Jackson, F Haq, MN Gurcan, "Semi-automated segmentation to assess the lateral meniscus in normal and osteoarthritic knees" *Osteoarthritis and Cartilage*. 2010 Mar;18(3):344-53. [PMID 19857510]

JW Prescott, T.M. Best, **MS Swanson**, F. Haq, R.D. Jackson, M.N. Gurcan, "Anatomically Anchored Template-Based Level Set Segmentation: Application to Quadriceps Muscles in MR Images from the Osteoarthritis Initiative." *J Digit Imaging*. 2011 Feb; 24(1):28-43. [PMID 20049623]

JW Prescott, **MS Swanson**, K. Hoang, M. Pennell, F. Haq, T.M. Best, R.D. Jackson, M.N. Gurcan, "Relationship between meniscus volume and cartilage morphology in MR images of osteoarthritis patients." Osteoarthritis and Cartilage / OARS, Osteoarthritis Research Society. 2009 Sep; 17(Supplement 1): S25-S26.

JW Prescott, **MS Swanson**, F. Haq, T.M. Best, K. Powell, R.D. Jackson, M.N. Gurcan, "Template-based level set segmentation using anatomical information: Application to Quadriceps Muscles in MR Images from the Osteoarthritis Initiative." 24th International Symposium on Computer and Information Sciences. 2009 Sep; 1(1): 24-29.

JW Prescott, M. Pennell, T.M. Best, **MS Swanson**, F. Haq, R. Jackson, M.N. Gurcan, "An Automated Method to Segment the Femur for Osteoarthritis Research." Conf Proc IEEE Eng Med Biol Soc. 2009 Sep; 6364-7. [PMID 19964163]

JW Prescott, M. Priddy, T.M. Best, M. Pennell, **MS Swanson**, F. Haq, R.D. Jackson, M.N. Gurcan, "An Automated Method to Detect Interstitial Adipose Tissue in Thigh Muscles for Patients with Osteoarthritis." Conf Proc IEEE Eng Med Biol Soc. 2009 Sep; 6360-3. [PMID 19964162]

Haq F, Gurcan MN, Powell K, Jackson RD, Prescott JW, **Swanson MS**, Best TM, "Knee Strength Predicts Loss of Function and Decline in Physical Activity in Participants with Osteoarthritis: A 2-Yr Follow-up of the OAI Study". Osteoarthritis and Cartilage / OARS, Osteoarthritis Research Society. 2009 Sep; 17(Supplement 1): S23.

Oral Presentations & Lectures:

Swanson MS. "Eerie Head and Neck Cases". Eerie ENT. October 26, 2019. Cedars-Sinai Harvey Morse Conference Center, Los Angeles, CA.

Swanson MS. "The expanding role of sentinel lymph node biopsy". Otolaryngology for the Primary Care Physician CME course. April 27, 2019. Arcadia, CA.

Swanson MS. "The Journey of a Patient with Laryngeal Cancer: Understanding Total Laryngectomy". Nursing Grand Rounds. April 11, 2019. Los Angeles, CA.

Swanson MS. "Bone Physiology and reconstruction" Calabasas High School 2/8/19. Los Angeles, CA.

Swanson MS. "Management of the neck in thyroid malignancy" Otolaryngology Research Study Club 1/13/2019, Los Angeles, CA.

Swanson MS. "My Life as an Otolaryngologist". USC Otolaryngology Interest Group. Los Angeles, CA 10/18/18.

Swanson MS. "Quality of Care in Head and Neck Cancer: Effect of Insurance type on timeliness of care". Howard P. House, MD Endowed Lectureship. USC Health Sciences Campus, 9/14/2018. Los Angeles, CA.

Swanson MS. "Management of the Facial Nerve and Reconstruction in Lateral Skull Base Malignancies". House Clinic Grand Rounds 8/17/18, Los Angeles, CA.

Swanson MS. "Sentinel Lymph Node Biopsy: An Evolving Tool" USC Department of Otolaryngology Grand Rounds 7/20/2018, Los Angeles, CA.

Swanson MS. "Management of the neck in thyroid malignancy" PCOOS 6/24/2018, Coeur d'alene, Id.

Swanson MS, Shirley Su "Expert Panel – Surgical vs. Non-surgical management of sinonasal cancer" North American Skull Base Society Annual Meeting (NASBS) – 2/18/18, Coronado, CA

Swanson MS. "Dissection of Level 1b in HPV+ oropharyngeal cancer". AAO-HNS, Chicago. 9/13/2017.

Swanson MS. "The Supracricoid Laryngectomy". University of Miami Department of Otolaryngology Grand Rounds. 1/19/2017.

Swanson MS. "TORS and the changing paradigm of oropharyngeal cancer". University of Southern California Department of Otolaryngology Grand Rounds. 5/27/2016.

Swanson MS. "Complications of Otitis Media". Los Angeles County Twin Towers Correctional Facility Grand Rounds. 5/10/2016.

Swanson MS. "Early Detection and Prevention in Oral Cavity Carcinoma". Pacific Coast Oto-Ophthalmological Society 99th Annual Meeting. 6/28/2015.

Swanson MS. "Laryngeal Conservation Surgery - Evaluation of the Supracricoid Laryngectomy". University of Southern California Department of Otolaryngology Grand Rounds. 2/20/2015.

Bertelsen C, **Swanson MS**, Kokot N. "Tracheal reconstruction with radial forearm free flap and rib cartilage graft: A Case Report". Presented at: Southern California Chapter of the American College of Surgeons Annual Scientific Meeting; 2014 Jan 18 - 19; Santa Barbara, CA.

Swanson MS. "Interesting Case Presentation - Myasthenia Gravis". 2013 University of Southern California Dept. of Otolaryngology Grand Rounds. 1/27/2012.

Swanson MS. "Interesting Case Presentation - Unusual Nasal Mass (Supernumerary tooth)". 2013 University of Southern California Dept. of Otolaryngology Grand Rounds. 12/20/2013.

Swanson 12MS. (2008, August). *Semi-Automated Meniscus Segmentation in Osteoarthritis*. Oral Presentation presented at: Biomedical Informatics Graduate Course; Columbus, OH.

Poster Presentations:

Yu AJ, Monedero RM, **Swanson MS**, Kokot NC, Sinha UK. (October 2018). *Differences in Staging Between HPV Positive and Negative Head and Neck Cancers using the SEER Database*. Poster presented at 122nd American Academy of Otolaryngology National Conference by Allison Yu, Atlanta, GA.

Swanson MS, Tan MH, Zhou S, Zhang Y, Brown TN, Sinha UK, Kokot N. (July 16-20, 2016). *Comparison of free flap outcomes at a university hospital versus county hospital setting*. Poster presented at: American Head and Neck Society 9th International Conference on Head and Neck Cancer, Seattle, WA.

Swanson MS, Ho Tiffany, Fisher LM, Sinha UK, Kokot N. (July 16-20, 2016). *Oropharyngeal cancer: Outcomes for transoral robotic surgery versus traditional surgical approaches*. Poster presented at: American Head and Neck Society 9th International Conference on Head and Neck Cancer, Seattle, WA.

Wang TV, **Swanson MS**, Lifton J, Wang C, Felix J, Kokot N. (July 16-20, 2016). *Comparison of HPV rates and disease outcome in OPSCC at a public versus private hospital*. Poster presented at: American Head and Neck Society 9th International Conference on Head and Neck Cancer, Seattle, WA.

Swanson MS, Prescott JW, Best TM, Powell K, Jackson RD, Haq F, Gurcan MN. (2009, April). *Semi-Automated Segmentation to Assess the Lateral Meniscus in Normal and Osteoarthritic Knees*. Poster presented at: Ohio State University Medical Center Research Day; Columbus, OH.

Other Publications:

Liu C, **Swanson MS**, Kokot N. Robotic Surgery: Clinical Perceptions, Approaches and Challenges. Lazar, John F. Nova Science Publishers Nov 2018. Chapter 16: "Transoral Robotic Surgery: Treatment of Head

and Neck Disease”. p391-407. ISBN: 978-1-53614-325-6

Kokot N, **Swanson MS**, Weinstein GS. "Management of the N3 Neck". Medscape Reference. Updated February 06, 2014. Available at: <http://emedicine.medscape.com/article/850589-overview>.

“Computers do better than humans at measuring some radiology images”, Press Release written by Emily Caldwell January 2010. <<http://researchnews.osu.edu/archive/kneesegment.htm>>.

STANDARDIZED TEST SCORES

- USMLE Step 1 Score - 261
- USMLE Step 2 Score - 274
- USMLE Step 3 Score - 245
- 2013 Otolaryngology In-Training exam group stanine rank - 9
- 2014 Otolaryngology In-Training exam group stanine rank - 9
- 2015 Otolaryngology In-Training exam national stanine rank - 8
- 2016 Otolaryngology In-Training exam national stanine rank - 9

COURSES/ MEETINGS ATTENDED

- Pacific Coast Otolaryngology-Ophthalmology Society Maui, HI 6/2019
- North American Skull Base Society (NASBS) Coronado, CA 2/16/2018
- Transoral Surgery (Robotic and Laser Microsurgery) - Florida Hospital Nicholson Center 12/9/2016
- AAO-HNSF Annual Academy Meeting - Dallas, Tx 8/2015
- Microscopic and Endoscopic Approaches to the Skull Base - U. of Colorado 3/11/2015-3/14/2015
- Concepts in Laryngeal Conservation Surgery Course - Loma Linda University 11/1/2013
- Endoscopic Pituitary and Skull Base Course - University of Southern California - 9/14/2013 & 2012
- Advanced Endoscopic Sinus and Skull Base Course - University of Southern California – 2015, 2014, 2013 & 2012

ACADEMIC AWARDS

- Fellow of the American College of Surgeons - 2019
- Alpha Omega Alpha Honors Society - 2010
- USC Keck School of Medicine Instructor – Medical Student Exam Workshop 10/23/2018
- Otolaryngology Fellow Teaching Award - 2017
- AHNS Prevention & Early Detection Community Service Grant - 2014
- Outstanding Academic Merit Scholarship – 2010 Awarded for cumulative academic standing in top 25% of class from Ohio State College of Medicine
- Article of the Month in Osteoarthritis and Cartilage - 2010
- Landachre Research Honors Society - 2009
- Dr. Robert L. Barnes Fellowship of Medicine- Awarded for Excellence in Presentation of Biomedical Research at the OSUMC Research Day - 2009
- NIH Roadmap Training Program in Clinical Investigation Scholarship - 2008

EXTRACURRICULAR & PROFESSIONAL MEMBERSHIPS

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| 2019 – Present | Society of University Otolaryngologists |
| 9/2019 – Present | Faculty of the American College of Surgeons |
| 9/2018 – Present | Keck Blood Management Improvement Collaborative |
| 8/2018 – Present | Keck ICU Admission Improvement Committee |
| 2016 - Present | American Head and Neck Society Member |
| 2017 – Present | LA Society of Otolaryngology Board Member |
| 5/2019 | Tanzania Mission Trip to Bugando Medical Center, Mwanza |
| 12/2016 | Haiti Mission Trip to St. Luc Hospital for CHANCE |
| 2016 - 2017 | Florida Society of Clinical Oncology |
| 2015 - 2016 | Academic Chief Resident of USC |
| 2003 - 2007 | Phi Delta Epsilon Undergraduate Honors Pre-Medical Society |
| 2007 – 2009 | Ultrasound Academy |

HOBBIES, INTERESTS, AND ACTIVITIES

I like active outdoor activities including hiking, SCUBA diving, and biking. I also enjoy traveling, lacrosse, and spending time with family.