

CURRICULUM VITAE
JOSEPH CHANG, MD

September 21, 2023

EDUCATION:

2006 - 2010 BS in Bioengineering, *magna cum laude*, Rice University, *Houston, TX*
2010 - 2014 MD, University of California, San Francisco, *San Francisco, CA*

POSTGRADUATE TRAINING:

2014 - 2019 Residency in Otolaryngology- Head and Neck Surgery
University of California, San Francisco, *San Francisco, CA*

2019 - 2020 Fellowship in Laryngology
Mount Sinai Health System, *New York, NY*

FACULTY POSITIONS HELD:

2023 - present Assistant Professor, University of Washington, *Seattle, WA*

HOSPITAL POSITIONS HELD:

2019 - 2020 Attending Physician, The Mount Sinai Hospital, *New York, NY*
Attending Physician, Elmhurst and Queens Hospital Center, *New York, NY*
Associate Adjunct Surgeon, New York Eye and Ear Infirmary, *New York, NY*
2020 - 2022 Associate Physician, Kaiser Santa Clara Medical Center, *Santa Clara, CA*
2022 - 2023 Participant Physician, Kaiser Santa Clara Medical Center, *Santa Clara, CA*
2023 - present Attending Physician, University of Washington Medical Center, *Seattle, WA*

HONORS:

2009 Tau Beta Pi, Engineering Honor Society
2010 Phi Beta Kappa, Liberal Arts and Sciences Honor Society
2010 Best Engineering Design in Service to Society Award
George R. Brown School of Engineering Design Showcase
2019 Best Basic Science Award
UCSF Department of OHNS Resident Research Symposium

BOARD CERTIFICATION:

2021 - present American Board of Otolaryngology - Head and Neck Surgery

LICENSURE:

2016- present California State Medical License
2023- present Washington State Medical License

PROFESSIONAL ORGANIZATIONS:

2015 - present American Academy of Otolaryngology- Head and Neck Surgery, Member

TEACHING RESPONSIBILITIES: (N/A)

EDITORIAL RESPONSIBILITIES: (N/A)

SPECIAL NATIONAL RESPONSIBILITIES: (N/A)

SPECIAL LOCAL RESPONSIBILITIES: (N/A)

RESEARCH FUNDING: (N/A)

BIBLIOGRAPHY

Publications in Refereed Journals

1. Bickford LR, **Chang J**, Fu K, Sun J, Hu Y, Gobin AM, Yu T-K, Drezek RA. Evaluation of immunotargeted gold nanoshells as rapid diagnostic imaging agents for HER2-overexpressing breast cancer cells: A time-based analysis. *NanoBiotechnology* 2008; 4(1):1-8. doi: 10/1007/s12030-008-9010-4.
2. Bickford L, Sun J, Fu K, Lewinski N, Nammalvar V, **Chang J**, Drezek RA. Enhanced multi-spectral imaging of live breast cancer cells using immunotargeted gold nanoshells and two-photon excitation microscopy. *Nanotechnology* 2008;19(31): 315102. PMID: 21828779
3. Bickford L, Langsner R, **Chang J**, Kennedy L, Agollah G, Drezek RA. Rapid stereomicroscopic imaging of HER2 overexpression in ex vivo breast tissue using topically applied silica-based gold nanoshells. *J Oncol*. 2012;2012:291898. PMID: 23133450
4. **Chang J**, Fang TJ, Yung K, van Zante A, Miller T, Al-Jurf S, Schneider S, Courey M. Clinical and histologic predictors of voice and disease outcome in patients with early glottic cancer. *Laryngoscope*. 2012;122(10):2240-2247. PMID: 22956472
5. **Chang J**, Courey MS, Al-Jurf SA, Schneider SL, Yung KC. Injection laryngoplasty outcomes in irradiated and nonirradiated unilateral vocal fold paralysis patients. *Laryngoscope*. 2014;124(8):1895-1899. PMID: 24473831
6. **Chang J**, Yung KC. Dysphonia and vocal fold telangiectasia in hereditary hemorrhagic telangiectasia. *Ann Otol Rhinol Laryngol*. 2014;123(11):769-770. PMID: 24913291
7. **Chang J**, Schneider SL, Curtis J, Langenstein J, Courey MS, Yung KC. Outcomes of medialization laryngoplasty with and without arytenoid adduction. *Laryngoscope*. 2017;127(11):2591-2595. PMID: 28699172
8. Winchester D, Lehman J, Tello T, Chimato N, Hocker T, Kim S, **Chang J**, Markey J, Yom SS, Ryan W, Mully T, Hodge D, Otley C, Arron S. Undifferentiated Pleomorphic Sarcoma: Factors Predictive of Adverse Outcomes. *J Am Acad Dermatol*. 2018;79(5):853-859. PMID: 29787841
9. *Breshears JD, ***Chang J**, Molinaro A, Sneed PK, McDermott MW, Tward A, Theodosopoulos PV. Temporal dynamics of pseudoprogression after Gamma Knife radiosurgery for vestibular schwannomas. *Neurosurgery*. 2019;84(1):123-131. PMID: 29518221
10. ***Chang J**, *Breshears JD, Molinaro A, Sneed PK, McDermott MW, Theodosopoulos PV, Tward A. Impact of pretreatment growth on tumor control for vestibular schwannomas following Gamma Knife. *Laryngoscope*. 2019;129:743-747. PMID: 30408172
11. Yung K, **Chang J**, Courey MS. A randomized controlled trial of adjuvant mitomycin-C in endoscopic surgery for laryngotracheal stenosis. *Laryngoscope*. 2020;130(3):706-711. PMID: 31022311
12. **Chang J**, Ninan S, Liu K, Iloreta AM, Kirke D, Courey MS. Enhancing patient experience in office-based laryngology procedures with passive virtual reality. *OTO Open*. 2020;5(1):2473974X20975020. PMID: 33474521
13. **Chang J**, Brown S, Hu S, Sivakumar G, Sataluri M, Goldberg L, Courey MS. Effect of Wendler glottoplasty on acoustic measures of voice. *Laryngoscope*. 2021;131(3):583-586. PMID: 32598037
14. Brown S, **Chang J**, Hu S, Sivakumar G, Sataluri M, Goldberg L, Courey MS. Addition of Wendler glottoplasty to voice therapy improves transfemale voice outcome. *Laryngoscope*. 2021;131(7):1588-93. PMID: 32846023
15. Frumm SM, Yu SK, **Chang J**, Briscoe, JA, Lee KP, Byrnes LE, Sneddon JB, Tward AD. A hierarchy of proliferative and migratory keratinocytes maintains the tympanic membrane. *Cell Stem Cell*. 2021;28(2):315-30.e5. PMID: 33181078
16. Bensoussan Y, Park C, Johns M 3rd, Brown S, Pinto J, **Chang J**, Courey M. A comparison of an artificial intelligence tool to fundamental frequency as an outcome measure in people seeking a more feminine voice. *Laryngoscope*. 2021;131(11):2567-71. PMID: 33973649
17. **Chang J**, Brown SK, Hwang C, Kirke D, Goldberg L. Predictive values of static endoscopic evaluation of swallowing in adults. *Laryngoscope Investig Otolaryngol*. 2021;6(6)1383-8. PMID: 34938878

18. Rapoport SK, Park C, Varelas EA, **Chang J**, Brown SK, Goldberg L, Kinberg E, Courey MS. 1-year results of combined modified Wendler glottoplasty with voice therapy in transgender women. *Laryngoscope*. May 2022. PMID: 35634734
19. Varelas EA, Hwang C, Brown S, **Chang J**, Sataluri M, Kirke D, Courey M, Goldberg L. Standardized behavioral treatment improves chronic cough. *J Voice*. Jan 2023. PMID: 36642591

Book Chapters:

1. Bickford LR, Day ES, Hu Y, Sun J, Fu K, **Chang J**, Lewinski NA, Yu T-K, Drezek RA. (2010). Biomedical Applications of Multi-Functional Silica-Based Gold Nanoshells. In: Torchilin V, Amiji M. (Eds.) *Handbook of Materials for Nanomedicine* (pp. 633-62). Singapore: Pan Stanford Publishing.
2. **Chang J**. (2023). Thyroid Cartilage Reduction. In: Courey MS, Rapoport SK, Goldberg L, Brown SK (Eds). *Voice and Communication in Transgender and Gender Diverse Individuals* (pp. 217-223). Springer.
3. **Chang J**, Courey MS. Transgender Voice Surgery. In: Seth R, Knott PD (Eds). *Gender Affirming Surgery of the Head and Neck*. New York: Springer. **In press**.

Other Publications:

1. Yung K, **Chang, J**, Courey MS. In reply to Mitomycin C is ineffective in laryngotracheal surgery if used incorrectly. *Laryngoscope*. 2021;131(1):E206. PMID: 32598034
2. **Chang J**, Yung KC. Gender affirming voice care: a literature review. *Int J Head Neck Surg*. 2021;12(3):93-7.
3. **Chang J**. Gender affirming voice surgery. *Oper Tech Otolaryngol Head Neck Surg*. Jan 2023. Online ahead of print.

INVITED TALKS

National

1. Effect of Wendler Glottoplasty on Acoustic Measures of Voice. Fall Voice Virtual Conference. October 24, 2020.

Regional: (N/A)

Local

1. Grand Rounds. Laryngeal Reinnervation. Department of Otolaryngology- Head and Neck Surgery, University of California, San Francisco. May 17, 2017.
2. Panelist. Transgender and Gender Non-Binary (TGNB) Affirming Services at New York Eye and Ear Infirmary of Mount Sinai. New York Eye and Ear Infirmary. November 22, 2019.
3. Grand Rounds. Voice Modification and Transgender Voice Care. Department of Otolaryngology- Head and Neck Surgery, University of California, Irvine. January 8, 2020.
4. Guest lecture. Medical and Surgical Management of Dysphonia. Department of Communication Sciences and Disorders, Pace University. Graduate level SLP course, CSD 654 Voice and Resonance Disorders. March 9, 2020.
5. Grand Rounds, In Office Laryngeal Procedures, Department of Otolaryngology- Head and Neck Surgery, Georgetown University, November 17, 2022.
6. Grand Rounds, Gender Affirming Voice Care, Department of Otolaryngology- Head and Neck Surgery, University of Washington, December 21, 2022