

# Stanford

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## Michelle M. Chen, MD, MHS

Assistant Professor of Otolaryngology - Head & Neck Surgery (OHNS)  
Otolaryngology (Head and Neck Surgery)

### **CLINICAL OFFICE (PRIMARY)**

- **Head and Neck Cancer Program**

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### **Bio**

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#### **BIO**

Dr. Chen is a fellowship-trained head and neck surgical oncologist with a board certification in otolaryngology and a clinical assistant professor with the Stanford School of Medicine Department of Otolaryngology.

Her practice focuses on the treatment of cancers that affect the head and neck. She has received additional training in microvascular reconstruction and transoral robotic surgery.

Dr. Chen has an active lab involved in head and neck cancer health services research and her work has appeared in numerous journals, including The Journal of the American Medical Association, Cancer, Journal of the National Cancer Institute, and Journal of Clinical Oncology. She has also authored chapters in textbooks on head and neck cancer treatment.

Dr. Chen is a member of the American Academy of Otolaryngology—Head & Neck Surgery (AAO-HNS) and the American Head & Neck Society.

#### **CLINICAL FOCUS**

- Cancer of Head and Neck
- Microvascular Reconstruction
- Head and Neck Surgical Oncology
- Otolaryngology/Facial Plastic Surgery

#### **ACADEMIC APPOINTMENTS**

- Assistant Professor - University Medical Line, Otolaryngology (Head and Neck Surgery)
- Member, Stanford Cancer Institute

#### **PROFESSIONAL EDUCATION**

- Medical Education: Yale University School of Medicine (2014) CT

- Research Fellowship, University of Michigan (2021)
- Board Certification: Otolaryngology, American Board of Otolaryngology (2021)
- Fellowship, University of Michigan , Head and Neck Surgical Oncology and Microvascular Reconstructive Surgery (2020)
- Residency, Stanford University , Otolaryngology (2019)
- Medical Education, Yale School of Medicine (2014)

## Research & Scholarship

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### CLINICAL TRIALS

- Post-operative Adjuvant Treatment for HPV-positive Tumours (PATHOS), Recruiting

### Publications

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#### PUBLICATIONS

- **Toll-like Receptor Agonists Are Unlikely to Provide Benefits in Head and Neck Squamous Cell Carcinoma: A Systematic Review and Meta-Analysis.** *Cancers*  
Maddineni, S., Chen, M., Baik, F., Divi, V., Sunwoo, J. B., Finegersh, A.  
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- **Global Epidemiologic Patterns of Oropharyngeal Cancer Incidence Trends.** *Journal of the National Cancer Institute*  
Zumsteg, Z. S., Luu, M., Rosenberg, P. S., Elrod, J. K., Bray, F., Vaccarella, S., Gay, C., Lu, D. J., Chen, M. M., Chaturvedi, A. K., Goodman, M. T.  
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- **Comparative impact of grade on mortality across salivary cancers: A novel, unifying staging system.** *Head & neck*  
Ho, A. S., Luu, M., Balzer, B. L., Aro, K., Jang, J. K., Mita, A. C., Scher, K. S., Mallen-St Clair, J., Vasquez, M., Bastien, A. J., Epstein, J. B., Lin, D., Chen, et al  
2023
- **The influence of grade on mortality risk in salivary gland malignancy**  
Bastien, A. J., Luu, M., Balzer, B., Aro, K., Jang, J., Mita, A. C., Scher, K., Mallen-St. Clair, J., Vasquez, M., Epstein, J., Lin, D. J., Chen, M., Zumsteg, et al  
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Diagnostic Assessment (Imaging) and Staging of Laryngeal Cancer.** *Otolaryngologic clinics of North America*  
Itamura, K., Hsue, V. B., Barbu, A. M., Chen, M. M.  
2023; 56 (2): 215-231
- **Impact of monoclonal antibody therapy for head and neck cancer on end-of-life care utilization and costs.** *Head & neck*  
Benjamin, W. J., Yalamanchi, P., Taylor, J. M., Lenze, N., Worden, F. P., Chinn, S. B., Chen, M. M.  
2023
- **Expanded Parameters in Active Surveillance for Low-risk Papillary Thyroid Carcinoma: A Nonrandomized Controlled Trial.** *JAMA oncology*  
Ho, A. S., Kim, S., Zalt, C., Melany, M. L., Chen, I. E., Vasquez, J., Mallen-St Clair, J., Chen, M. M., Vasquez, M., Fan, X., van Deen, W. K., Haile, R. W., Daskivich, et al  
2022
- **Minimally Invasive Surgery in the United States, 2022: Understanding Its Value Using New Datasets.** *The Journal of surgical research*  
Mattingly, A. S., Chen, M. M., Divi, V., Holsinger, F. C., Saraswathula, A.  
2022; 281: 33-36
- **Impact of Nodal Metastases in HPV-Negative Oropharyngeal Cancer.** *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*  
Chang, C. M., Chen, M. M., Bellile, E. L., Rozek, L. S., Carey, T. E., Spector, M. E., Wolf, G. T., Taylor, J. M., Chinn, S. B.  
2022; 31 (8): 1554-1563
- **Nodal Metastasis Count and Oncologic Outcomes in Head and Neck Cancer: A Secondary Analysis of NRG/RTOG 9501, NRG/RTOG 0234, and EORTC 22931** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*

Lu, D. J., Luu, M., Gay, C., Nguyen, A. T., Anderson, E. M., Bernier, J., Cooper, J. S., Harari, P. M., Torres-Saavedra, P. A., Le, Q., Chen, M. M., Mallen-St Clair, J., Ho, et al  
2022; 113 (4): 787-795

● **Quantitative Nodal Burden and Mortality Across Solid Cancers.** *Journal of the National Cancer Institute*

Nguyen, A. T., Luu, M., Nguyen, V. P., Lu, D. J., Shiao, S. L., Kamrava, M., Atkins, K. M., Mita, A. C., Scher, K. S., Spratt, D. E., Faries, M. B., Daskivich, T. J., Lin, et al  
2022; 114 (7): 1003-1011

● **Financial Hardship in Patients With Head and Neck Cancer.** *JCO oncology practice*

Mott, N. M., Mierzwa, M. L., Casper, K. A., Shah, J. L., Mallen-St Clair, J., Ho, A. S., Zumsteg, Z. S., Prince, M. E., Dossett, L. A., Chen, M. M.  
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● **A Consideration for Surgical Management in Select T4b Oral Cavity Squamous Cell Carcinoma.** *The Annals of otology, rhinology, and laryngology*

Chen, M. M., Chang, C. M., Dermody, S., Rosko, A. J., Mierzwa, M. L., Swiecicki, P. L., Spector, M. E., Worden, F. P., Prince, M. E., Chinn, S. B.  
2022; 131 (6): 609-616

● **Nodal Metastasis Count and Oncologic Outcomes in Head and Neck Cancer: A Secondary Analysis of NRG/RTOG 9501, NRG/RTOG 0234, and EORTC 22931.** *International journal of radiation oncology, biology, physics*

Lu, D. J., Luu, M., Gay, C., Nguyen, A. T., Anderson, E. M., Bernier, J., Cooper, J. S., Harari, P. M., Torres-Saaverdra, P. A., Le, Q. T., Chen, M., Mallen-St Clair, J., Ho, et al  
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● **Leveraging Molecular Assays to Aid Decision-making in Large Indeterminate Thyroid Nodules-A Minimalist Approach.** *JAMA otolaryngology-- head & neck surgery*

Chen, M. M., Ho, A. S.  
2022; 148 (4): 383

● **Peace of Mind: A Role in Unnecessary Care?** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*

Chen, M. M., Hughes, T. M., Dossett, L. A., Pitt, S. C.  
2022; 40 (5): 433-437

● **Comparative Proteomic Analysis of HPV(+) Oropharyngeal Squamous Cell Carcinoma Recurrence** *JOURNAL OF PROTEOME RESEARCH*

Ho, A. S., Robinson, A., Shon, W., Laury, A., Raedschelders, K., Venkatraman, V., Holewinski, R., Zhang, Y., Shiao, S. L., Chen, M. M., Clair, J., Lin, D., Zumsteg, et al  
2022; 21 (1): 200-208

● **Clinician Attitudes and Beliefs About Deintensifying Head and Neck Cancer Surveillance.** *JAMA otolaryngology-- head & neck surgery*

Chen, M. M., Mott, N. M., Miller, J., Kazemi, R., Stover, M., Graboyes, E. M., Divi, V., Malloy, K. M., Wallner, L. P., Pitt, S. C., Dossett, L. A.  
2021

● **Predictive Impact of Metastatic Lymph Node Burden on Distant Metastasis Across Papillary Thyroid Cancer Variants.** *Thyroid : official journal of the American Thyroid Association*

Ho, A. S., Luu, M., Shafqat, I., Mallen-St Clair, J., Chen, M. M., Chen, Y., Jain, M., Ali, N., Patio, C., Filarski, C. F., Lin, D. C., Bankston, H., Braunstein, et al  
2021; 31 (10): 1549-1557

● **Patient Burden with Current Surveillance Paradigm and Factors Associated with Interest in Altered Surveillance for Early Stage HPV-Related Oropharyngeal Cancer.** *The oncologist*

Gharzai, L. A., Burger, N., Li, P., Jaworski, E. M., Henderson, C., Spector, M., Rosko, A., Chen, M. M., Prince, M. E., Bradford, C. R., Malloy, K. M., Stucken, C. L., Swiecicki, et al  
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● **HPV Vaccination Among Young Adults in the US.** *JAMA*

Chen, M. M., Mott, N., Clark, S. J., Harper, D. M., Shuman, A. G., Prince, M. E., Dossett, L. A.  
2021; 325 (16): 1673-1674

● **Complications of Transoral Robotic Surgery.** *Otolaryngologic clinics of North America*

Sethi, R. K., Chen, M. M., Malloy, K. M.  
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● **The Difficult Airway and Aerosol-Generating Procedures in COVID-19: Timeless Principles for Uncertain Times.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*

Smith, J. D., Chen, M. M., Balakrishnan, K., Sidell, D. R., di Stadio, A., Schechtman, S. A., Brody, R. M., Kupfer, R. A., Rassekh, C. H., Brenner, M. J.  
2020; 194599820936615

- **Assessing Care Value for Older Patients Receiving Radiotherapy With or Without Cisplatin or Cetuximab for Locoregionally Advanced Head and Neck Cancer.** *JAMA otolaryngology-- head & neck surgery*  
Saraswathula, A., Chen, M. M., Colevas, A. D., Divi, V.

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- **End-of-Life Costs and Hospice Utilization in Patients with Head and Neck Cancer**

Chen, M. M., Rosenthal, E. L., Divi, V.  
SAGE PUBLICATIONS LTD.2019: 439–41

- **Impact of lymph node sampling on survival in cN0 major salivary gland adenoid cystic carcinoma** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*

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- **Regionalization of head and neck cancer surgery may fragment care and impact overall survival** *LARYNGOSCOPE*

Chen, M. M., Megwalu, U. C., Liew, J., Sirjani, D., Rosenthal, E. L., Divi, V.  
2019; 129 (6): 1413–19

- **Persistent Postoperative Opioid Use in Older Head and Neck Cancer Patients** *OTOLARYNGOLOGY-HEAD AND NECK SURGERY*

Saraswathula, A., Chen, M. M., Mudumbai, S. C., Whittemore, A. S., Divi, V.  
2019; 160 (3): 380–87

- **Impact of lymph node sampling on survival in cN0 major salivary gland adenoid cystic carcinoma.** *Head & neck*

Qian, Z. J., Chen, M. M., Divi, V., Megwalu, U. C.  
2019

- **Depth of invasion alone as a prognostic factor in low-risk early-stage oral cavity carcinoma.** *The Laryngoscope*

Kozak, M. M., Shah, J., Chen, M., Schaberg, K., von Eyben, R., Chen, J. J., Bui, T., Kong, C., Kaplan, M., Divi, V., Hara, W.  
2019

- **End-of-Life Costs and Hospice Utilization in Patients with Head and Neck Cancer.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*

Chen, M. M., Rosenthal, E. L., Divi, V. n.  
2019; 194599819846072

- **Survival of patients with head and neck cancer treated with definitive radiotherapy and concurrent cisplatin or concurrent cetuximab: A Surveillance, Epidemiology, and End Results-Medicare analysis** *CANCER*

Xiang, M., Holsinger, F., Colevas, A., Chen, M. M., Quynh-Thu Le, Beadle, B. M.  
2018; 124 (23): 4486–94

- **Survival of patients with head and neck cancer treated with definitive radiotherapy and concurrent cisplatin or concurrent cetuximab: A Surveillance, Epidemiology, and End Results-Medicare analysis.** *Cancer*

Xiang, M., Holsinger, F. C., Colevas, A. D., Chen, M. M., Le, Q., Beadle, B. M.  
2018

- **Survival benefit of post-operative chemotherapy for intermediate-risk advanced stage head and neck cancer differs with patient age** *ORAL ONCOLOGY*

Chen, M. M., Colevas, A., Megwalu, U., Divi, V.  
2018; 84: 71–75

- **Regionalization of Head and Neck Cancer Surgery May Fragment Care and Impact Overall Survival.** *The Laryngoscope*

Chen, M. M., Megwalu, U. C., Liew, J., Sirjani, D., Rosenthal, E. L., Divi, V.  
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- **Reducing the Time from Surgery to Adjuvant Radiation Therapy: An Institutional Quality Improvement Project** *OTOLARYNGOLOGY-HEAD AND NECK SURGERY*

Divi, V., Chen, M. M., Hara, W., Shah, D., Narvasa, K., Smith, A., Kelley, J., Rosenthal, E. L., Porter, J.  
2018; 159 (1): 158–65

- **Association of Time between Surgery and Adjuvant Therapy with Survival in Oral Cavity Cancer.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*  
Chen, M. M., Harris, J. P., Orosco, R. K., Sirjani, D., Hara, W., Divi, V.  
2018; 158 (6): 1051–56
- **Association of Time between Surgery and Adjuvant Therapy with Survival in Oral Cavity Cancer** *OTOLARYNGOLOGY-HEAD AND NECK SURGERY*  
Chen, M. M., Harris, J. P., Orosco, R. K., Sirjani, D., Hara, W., Divi, V.  
2018; 158 (6): 1051–56
- **Comparative Effectiveness and Toxicity of Cetuximab or Cisplatin With Concurrent Radiation for Locoregionally Advanced Squamous Cell Carcinoma of The Head And Neck: A Population-Based Analysis**  
Xiang, M., Holsinger, F., Chen, M., Colevas, A., Beadle, B.  
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- **Reducing the Time from Surgery to Adjuvant Radiation Therapy: An Institutional Quality Improvement Project.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*  
Divi, V., Chen, M. M., Hara, W., Shah, D., Narvosa, K., Segura Smith, A., Kelley, J., Rosenthal, E. L., Porter, J.  
2018: 194599818768254
- **Association of Survival With Shorter Time to Radiation Therapy After Surgery for US Patients With Head and Neck Cancer** *JAMA OTOLARYNGOLOGY-HEAD & NECK SURGERY*  
Harris, J. P., Chen, M. M., Orosco, R. K., Sirjani, D., Divi, V., Hara, W.  
2018; 144 (4): 349–59
- **Persistent Postoperative Opioid Use in Older Head and Neck Cancer Patients.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*  
Saraswathula, A. n., Chen, M. M., Mudumbai, S. C., Whittemore, A. S., Divi, V. n.  
2018: 194599818778276
- **Improved transoral dissection of the tongue base with a next-generation robotic surgical system** *LARYNGOSCOPE*  
Chen, M. M., Orosco, R. K., Lim, G., Holsinger, F.  
2018; 128 (1): 78–83
- **Surrogate for oropharyngeal cancer HPV status in cancer database studies** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Megwali, U. C., Chen, M. M., Ma, Y., Divi, V.  
2017; 39 (12): 2494–2500
- **Measuring Institutional Quality in Head and Neck Surgery Using Hospital-Level Data Negative Margin Rates and Neck Dissection Yield**  
Schoppy, D., Rhoads, K. F., Ma, Y., Chen, M. M., Nussenbaum, B., Orosco, R. K., Rosenthal, E. L., Divi, V.  
AMER MEDICAL ASSOC.2017: 1111–16
- **Predictors of readmissions after head and neck cancer surgery: A national perspective** *ORAL ONCOLOGY*  
Chen, M. M., Orosco, R. K., Harris, J. P., Porter, J. B., Rosenthal, E. L., Hara, W., Divi, V.  
2017; 71: 106–12
- **Association of surgical quality metrics and hospital-level overall survival for patients with head and neck squamous cell carcinoma.**  
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AMER SOC CLINICAL ONCOLOGY.2017
- **A Tracheal Mass.** *JAMA otolaryngology-- head & neck surgery*  
Chen, M. M., Jeffery, C., Damrose, E. J.  
2017; 143 (1): 87-88
- **Indolent thyroid cancer: knowns and unknowns.** *Cancers of the head & neck*  
Hahn, L. D., Kunder, C. A., Chen, M. M., Orloff, L. A., Desser, T. S.  
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- **American Joint Committee on Cancer Eighth Edition Changes in Staging Criteria: Implications for Data Collection.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*  
Saraswathula, A. n., Chen, M. n., Negaita, S. n., Divi, V. n.

2017: 194599817721690

- **Association of Postoperative Radiotherapy With Survival in Patients With N1 Oral Cavity and Oropharyngeal Squamous Cell Carcinoma** *JAMA OTOLARYNGOLOGY-HEAD & NECK SURGERY*  
Chen, M. M., Harris, J. P., Hara, W., Sirjani, D., Divi, V.  
2016; 142 (12): 1224-1230
- **Lymph Node Count From Neck Dissection Predicts Mortality in Head and Neck Cancer** *JOURNAL OF CLINICAL ONCOLOGY*  
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- **Hospital readmission and 30-day mortality after surgery for oral cavity cancer: Analysis of 21,681 cases** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
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- **Morbidity and Mortality Associated With Robotic Head and Neck Surgery: An Inquiry of the Food and Drug Administration Manufacturer and User Facility Device Experience Database.** *JAMA otolaryngology-- head & neck surgery*  
Chen, M. M., Holsinger, F. C.  
2016; 142 (4): 405-6
- **Salvage Conservation Laryngeal Surgery After Radiation Therapy Failure** *OTOLARYNGOLOGIC CLINICS OF NORTH AMERICA*  
Chen, M. M., Holsinger, F. C., Laccourreye, O.  
2015; 48 (4): 667-?
- **Predictors of Survival in Sinonasal Adenocarcinoma** *JOURNAL OF NEUROLOGICAL SURGERY PART B-SKULL BASE*  
Chen, M. M., Roman, S. A., Sosa, J. A., Judson, B. L.  
2015; 76 (3): 208-213
- **Predictors of Survival in Sinonasal Adenocarcinoma.** *Journal of neurological surgery. Part B, Skull base*  
Chen, M. M., Roman, S. A., Sosa, J. A., Judson, B. L.  
2015; 76 (3): 208-13
- **The Role of Adjuvant Therapy in the Management of Head and Neck Merkel Cell Carcinoma An Analysis of 4815 Patients** *JAMA OTOLARYNGOLOGY-HEAD & NECK SURGERY*  
Chen, M. M., Roman, S. A., Sosa, J. A., Judson, B. L.  
2015; 141 (2): 137-141
- **Trends and Variations in the Use of Adjuvant Therapy for Patients With Head and Neck Cancer** *CANCER*  
Chen, M. M., Roman, S. A., Yarbrough, W. G., Burtness, B. A., Sosa, J. A., Judson, B. L.  
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