



## Chris Holsinger, MD, FACS

Professor of Otolaryngology - Head & Neck Surgery (OHNS)

Otolaryngology - Head & Neck Surgery Divisions

### CLINICAL OFFICES

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### ACADEMIC CONTACT INFORMATION

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### Bio

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#### BIO

Dr. Chris Holsinger is Professor of Head and Neck Surgery at Stanford University. His research focuses on surgical innovation and clinical trials. He serves as surgical principal investigator for RTOG920 and coordinated surgeon-credentialing for ECOG 3311, a prospective clinical trial to study robotic head and neck surgery. In 2019, he published the results of an investigative device exemption clinical study to evaluate the safety and efficacy of a next-generation robotic surgical system for head and neck cancer.

His interests extend beyond robotics, however, and include new technologies for augmenting the vision of surgeons and incorporating computer vision and deep learning into routine surgical practice. Current algorithms in computer vision and pattern recognition have transformed how we interact with the world using our smart phones. Dr Holsinger's research group aims to deliver these advantages to patient and their surgeons by providing real-time intelligence about surgical anatomy that extends beyond human vision. In 2017, he founded Photonic Medical Technologies to translate recent innovations into practice for open surgery. In 2018, work from a prospective clinical trial demonstrated the feasibility of using multispectral imaging of patients with oropharyngeal cancer, in an effort to discern tumor from tumor, as well as to evaluate hyper-spectral imaging to improve surgical vision.

Dr. Holsinger received his medical degree from Vanderbilt School of Medicine, completed his internship and residency at Baylor College of Medicine and his Fellowship in head and neck surgical oncology at The University of Texas M. D. Anderson Cancer Center. In 2003, he was awarded Fulbright Scholarship to study surgery at the University of Paris with Professor Ollivier Laccourreye and with Professor Wolfgang Steiner at the Georg-August University in Göttingen.

From 2003-2013, Dr. Holsinger worked at the Department of Head and Neck Surgery at the University of Texas M.D. Anderson Cancer Center where he founded and led the Program in Minimally Invasive and Endoscopic Head and Neck Surgery and co-directed the program in Minimally Invasive Technology in Oncologic Surgery. In 2013, Dr. Holsinger moved to Stanford University, where at the Cancer Center led H&N Multidisciplinary Cancer Care Clinical Program for the next 5 years. Dr. Holsinger's surgical practice focuses on the surgical management of thyroid as well as head and neck cancer. His areas of research interest include endoscopic head and neck surgery, including transoral robotic surgery and transoral laser microsurgery, as well as time-honoured approaches of conservation laryngeal surgery and supracricoid partial laryngectomy.

Board-certified by the American Board of Otolaryngology, Dr. Holsinger is a member of numerous societies including the American College of Surgeons, American Head and Neck Society, the American Thyroid Association, and the American Society of Clinical Oncology.

### **CLINICAL FOCUS**

- Cancer > Head and Neck Cancer
- Thyroid Surgery
- Thyroid Neoplasms
- Parathyroid Surgery
- Thyroid Cancer
- Robotic Surgery, Head & Neck
- Oropharyngeal Cancer
- Paraganglioma, Carotid Body
- Otolaryngology
- Throat

### **ACADEMIC APPOINTMENTS**

- Professor - University Medical Line, Otolaryngology - Head & Neck Surgery Divisions
- Member, Stanford Cancer Institute

### **ADMINISTRATIVE APPOINTMENTS**

- Director, Head and Neck Cancer Care Program, Stanford Cancer Center, (2013-2017)
- Member, Stanford Cancer Institute, (2013- present)

### **PROFESSIONAL EDUCATION**

- Residency: Baylor College of Medicine Otolaryngology Residency (2001) TX
- Internship: Baylor College of Medicine Surgery Residency (1996) TX
- Fellowship: MD Anderson Cancer Center (2003) TX
- Board Certification: Otolaryngology, American Board of Otolaryngology (2002)
- Medical Education: Vanderbilt University School of Medicine (1995) TN
- Fulbright Scholarship, Université de Paris V, Rene Descartes Sorbonne Paris Cité, France , Post-doctoral Fellowship in Head and Neck Surgery (2003)
- Fellowship, Department of Head and Neck Surgery, The University of Texas M.D. Anderson Cancer Center , Head and Neck Surgical Oncology (2003)
- Residency, Bobby R. Alford Department of Otolaryngology--Head and Neck Surgery, Baylor College of Medicine , Otolaryngology--Head and Neck Surgery (2001)
- Internship, DeBakey Department of Surgery Baylor College of Medicine , General Surgery (1997)
- MD, Vanderbilt University School of Medicine (1995)

## LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Holsinger's surgical practice focuses on the surgical management of benign and malignant diseases of the thyroid, parathyroid and head and neck.

His areas of clinical interest include endoscopic head and neck surgery, including robotic thyroidectomy, transoral robotic surgery and transoral laser microsurgery, as well as time-honoured approaches of conservation laryngeal surgery, supracricoid partial laryngectomy.

### CLINICAL TRIALS

- Clinical Validation of ThyroidPrint: A Gene Expression Signature for Diagnosis of Indeterminate Thyroid Nodules, Recruiting
- Post-operative Adjuvant Treatment for HPV-positive Tumours (PATHOS), Recruiting
- Multispectral Imaging to Characterize Patterns of Vascular Supply Within Lymphoepithelial Mucosa in Oropharyngeal Cancer, Not Recruiting
- Prospective, Multicenter da Vinci® SP™ Surgical System TORS Study, Not Recruiting
- Study Evaluating Zr-Panitumumab for Assessment of Suspected Metastatic Lesions on 18F-FDG-PET/CT in Head and Neck Squamous Cell Carcinoma, Not Recruiting
- Transoral Surgery Followed By Low-Dose or Standard-Dose Radiation Therapy With or Without Chemotherapy in Treating Patients With HPV Positive Stage III-IVA Oropharyngeal Cancer, Not Recruiting

## Publications

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### PUBLICATIONS

- **High prevalence of persistent smell loss and qualitative smell dysfunction during the COVID-19 pandemic in the United States: urgent need for clinical trials.** *International forum of allergy & rhinology*  
Lechner, M., Liu, J., Counsell, N., Yan, C. H., Paun, S., Eynon-Lewis, N., Sutton, L., Jayaraj, S., Batterham, R. L., Hopkins, C., Philpott, C., Lund, V. J., Hatter, et al  
2022
- **Narrow-field supracricoid partial laryngectomy: Procedure development and initial clinical experiences.** *Auris, nasus, larynx*  
Nakayama, M., Wada, T., Isono, Y., Sano, D., Nishimura, G., Oridate, N., Holsinger, F. C., Orosco, R.  
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
- **Caution Regarding Assessment of Toxic Effects and Survival in Treatment De-escalation With Radiotherapy vs Transoral Surgery for Human Papillomavirus-Associated Oropharyngeal Cancer.** *JAMA oncology*  
Topf, M. C., Holsinger, F. C., Patel, M.  
2022
- **Head and Neck Virtual Coach: A Randomized Control Trial of Mobile Health as an Adjunct to Swallowing Therapy During Head and Neck Radiation.** *Dysphagia*  
Starmer, H. M., Klein, D., Montgomery, A., Goldsmith, T., McCarroll, L., Richmon, J., Christopher Holsinger, F., Beadle, B., Jain, P.  
2022
- **Transoral Robotic Surgery for Recurrent Tumors of the Upper Aerodigestive Tract (RECUT): An International Cohort Study.** *Journal of the National Cancer Institute*  
Hardman, J. C., Holsinger, F. C., Brady, G. C., Beharry, A., Bonifer, A. T., D'Andrea, G., Dabas, S. K., de Almeida, J. R., Duvvuri, U., Floros, P., Ghanem, T. A., Gorphe, P., Gross, et al  
2022

- **ASO Visual Abstract: Novel Strategies for Managing Retropharyngeal Lymph Node Metastases in Head and Neck and Thyroid Cancer with TransOral Robotic Surgery (TORS).** *Annals of surgical oncology*  
Garas, G., Roland, N. J., Lancaster, J., Zammit, M., Manon, V. A., Davies, K., Jones, T. M., De, M., Holsinger, F. C., Prestwich, R. J., Fleming, J. C.  
2022
- **Posttreatment FDG-PET/CT Hopkins criteria predict locoregional recurrence after definitive radiotherapy for oropharyngeal squamous cell carcinoma.** *Head & neck*  
Miller, J. A., Moradi, F., Sundaram, V., Liang, R., Zhang, C., Nguyen, N. K., Akhtar, F., Liu, Y., Ren, Y., Harandi, N., Weng, Y., Pollom, E. L., Colevas, et al  
2022
- **Impact of Histologic Risk Factors on Recurrence Rates for Oral Cavity Squamous Cell Carcinoma.** *The Annals of otology, rhinology, and laryngology*  
Kligerman, M. P., Moon, P. K., Tusty, M., Cloutier, J. M., Ma, Y., Holsinger, C. F., Divi, V.  
2022: 34894221111223
- **Novel Strategies for Managing Retropharyngeal Lymph Node Metastases in Head and Neck and Thyroid Cancer with Transoral Robotic Surgery (TORS).** *Annals of surgical oncology*  
Garas, G., Roland, N. J., Lancaster, J., Zammit, M., Manon, V. A., Davies, K., Jones, T. M., De, M., Holsinger, F. C., Prestwich, R. J., Fleming, J. C.  
2022
- **The robotic-assisted extended "Sistrunk" approach for tumors of the upper aerodigestive tract with limited transoral access: First description of oncological and functional outcomes.** *Head & neck*  
Simon, C., Beharry, A., Paleri, V., Dubi, P., Lambercy, K., Holsinger, F. C., Todic, J.  
2022
- **Long-term results of robotic-assisted nasopharyngectomy for recurrent nasopharyngeal carcinoma.** *Head & neck*  
Tsang, R. K., Chan, W. C., Holsinger, F. C., Chung, J. C., Chow, V. L., Chan, J. Y., Ho, W., Wei, W. I.  
2022
- **Aldehyde dehydrogenase 3A1 deficiency leads to mitochondrial dysfunction and impacts salivary gland stem cell phenotype.** *PNAS nexus*  
Viswanathan, V., Cao, H., Saiki, J., Jiang, D., Mattingly, A., Nambiar, D., Bloomstein, J., Li, Y., Jiang, S., Chamoli, M., Sirjani, D., Kaplan, M., Holsinger, et al  
2022; 1 (2): pgac056
- **Circulating tumor DNA in head and neck cancer: Early successes and future promise.** *Cancer*  
Soo, J., Jin, M. C., Beadle, B. M., Holsinger, F. C., Finegersh, A.  
2022
- **Open and endoscopic surgery improve survival for squamous and non-squamous cell nasopharyngeal carcinomas: an NCDB cohort study.** *International forum of allergy & rhinology*  
Finegersh, A., Said, M., Deconde, A., Hwang, P. H., Holsinger, F. C., Orosco, R. K.  
2022
- **Post-Treatment FDG-PET/CT Hopkins Criteria Predict Locoregional Recurrence After Definitive Radiotherapy for Oropharyngeal Squamous Cell Carcinoma.** *International journal of radiation oncology, biology, physics*  
Miller, J. A., Moradi, F., Liang, R., Zhang, C., Nguyen, N., Akhtar, F., Harandi, N. K., Colevas, A. D., Divi, V., Holsinger, F. C., Beadle, B. M., Le, Q. T., Gensheimer, et al  
2021; 111 (3S): e399
- **Post-Treatment FDG-PET/CT Hopkins Criteria Predict Locoregional Recurrence After Definitive Radiotherapy for Oropharyngeal Squamous Cell Carcinoma**  
Miller, J. A., Moradi, F., Liang, R., Zhang, C., Nguyen, N., Akhtar, F., Harandi, N. K., Colevas, A. D., Divi, V., Holsinger, F. C., Beadle, B. M., Le, Q. T., Gensheimer, et al  
ELSEVIER SCIENCE INC.2021: E399
- **Soft robotic manipulator for intraoperative MRI-guided transoral laser microsurgery.** *Science robotics*  
Fang, G., Chow, M. C., Ho, J. D., He, Z., Wang, K., Ng, T. C., Tsoi, J. K., Chan, P., Chang, H., Chan, D. T., Liu, Y., Holsinger, F. C., Chan, et al  
2021; 6 (57)
- **Soft robotic manipulator for intraoperative MRI-guided transoral laser microsurgery** *SCIENCE ROBOTICS*  
Fang, G., Chow, M. K., Ho, J. L., He, Z., Wang, K., Ng, T. C., Tsoi, J. H., Chan, P., Chang, H., Chan, D., Liu, Y., Holsinger, C., Chan, et al  
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- **Robotic surgery may improve overall survival for T1 and T2 tumors of the hypopharynx: An NCDB cohort study.** *Oral oncology*  
Finegersh, A., Voora, R. S., Panuganti, B., Faraji, F., Christopher Holsinger, F., Brumund, K. T., Coffey, C., Califano, J., Orosco, R. K.  
2021; 121: 105440
- **Landscape of innate lymphoid cells in human head and neck cancer reveals divergent NK cell states in the tumor microenvironment.** *Proceedings of the National Academy of Sciences of the United States of America*  
Moreno-Nieves, U. Y., Tay, J. K., Saumyaa, S., Horowitz, N. B., Shin, J. H., Mohammad, I. A., Luca, B., Mundy, D. C., Gulati, G. S., Bedi, N., Chang, S., Chen, C., Kaplan, et al  
2021; 118 (28)
- **Using deep learning to identify the recurrent laryngeal nerve during thyroidectomy.** *Scientific reports*  
Gong, J., Holsinger, F. C., Noel, J. E., Mitani, S., Jopling, J., Bedi, N., Koh, Y. W., Orloff, L. A., Cernea, C. R., Yeung, S.  
2021; 11 (1): 14306
- **Contralateral transmaxillary approach to the nasopharynx with a flexible robotic system: A cadaveric feasibility study**  
Chan, J., Tsang, R. Y., Holsinger, F., Turner, M.  
ELSEVIER.2021
- **Buccal fat pad to improve velum competency after transoral lateral oropharyngectomy.** *European annals of otorhinolaryngology, head and neck diseases*  
Laccourreye, O., Holsinger, F. C., Weisntein, G. S.  
2021
- **Preoperative predictors of difficult oropharyngeal exposure for transoral robotic surgery: The Pharyngoscore.** *Head & neck*  
Gaino, F., Gorphe, P., Vander Poorten, V., Holsinger, F. C., Lira, R. B., Duvvuri, U., Garrel, R., Van Der Vorst, S., Cristalli, G., Ferrelli, F., De Virgilio, A., Giannitto, C., Morengi, et al  
2021
- **Airway and bleeding complications of transoral robotic supraglottic laryngectomy (TORS-SGL): A systematic review and meta-analysis.** *Oral oncology*  
Turner, M. T., Stokes, W. A., Stokes, C. M., Hassid, S., Holsinger, F. C., Lawson, G.  
2021; 118: 105301
- **Precision head and neck surgery: robotics and surgical vision technology.** *Current opinion in otolaryngology & head and neck surgery*  
Holsinger, F. C., Birkeland, A. C., Topf, M. C.  
2021; 29 (2): 161–67
- **Robotic transmaxillary approach to the lateral infratemporal fossa: A preclinical cadaveric study using a next-generation single-port robotic system** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Turner, M. T., Topf, M. C., Holsinger, F., Chan, J.  
2021
- **Anatomical-based classification for transoral base of tongue resection.** *Head & neck*  
De Virgilio, A., Kim, S., Wang, C., Holsinger, F. C., Magnuson, S., Lawson, G., Pellini, R., Mercante, G., Costantino, A., Spriano, G.  
2021
- **Videomics: bringing deep learning to diagnostic endoscopy.** *Current opinion in otolaryngology & head and neck surgery*  
Paderno, A., Holsinger, F. C., Piazza, C.  
2021
- **Postoperative Observation Versus Radiotherapy for Pathologic N1 Oral Cavity Squamous Cell Carcinoma.** *American journal of clinical oncology*  
Xiang, M. n., Holsinger, F. C., Gensheimer, M. F., Divi, V. n., Pollom, E. L., Colevas, A. D., Le, Q. T., Beadle, B. M.  
2021; Publish Ahead of Print
- **Safety and Feasibility of Surgery for Oropharyngeal Cancers During the SARS-CoV-2-Pandemic.** *Frontiers in oncology*  
Gorphe, P., Grandbastien, B., Dietz, A., Duvvuri, U., Ferris, R. L., Golusinski, W., Holsinger, F. C., Hosal, S., Lawson, G., Mehanna, H., Paleri, V., Shaw, R., Succo, et al  
2021; 11: 651123
- **Treatment Breaks During Definitive Head/Neck Radiotherapy: Survival Impact and Predisposing Factors**  
Xiang, M., Gensheimer, M., Pollom, E., Holsinger, F., Colevas, A., Quynh-Thu Le, Beadle, B.  
ELSEVIER SCIENCE INC.2020: E39

- **Retroauricular thyroidectomy with a single-arm robotic surgical system: Preclinical cadaveric study.** *Head & neck*  
Noel, J. E., Lee, M., Tam, K., Lim, G., Holsinger, F. C., Koh, Y. W.  
2020
- **Correction to: Compensatory motion scaling for time-delayed robotic surgery.** *Surgical endoscopy*  
Orosco, R. K., Lurie, B., Matsuzaki, T., Funk, E. K., Divi, V., Holsinger, F. C., Hong, S., Richter, F., Das, N., Yip, M.  
2020
- **A novel surgeon credentialing and quality assurance process using transoral surgery for oropharyngeal cancer in ECOG-ACRIN Cancer Research Group Trial E3311.** *Oral oncology*  
Ferris, R. L., Flamand, Y., Holsinger, F. C., Weinstein, G. S., Quon, H., Mehra, R., Garcia, J. J., Hinni, M. L., Gross, N. D., Sturgis, E. M., Duvvuri, U., Mendez, E., Ridge, et al  
2020; 110: 104797
- **A new endoscopic surgical approach to the larynx, hypopharynx, and neck lymphatics: The robotic-assisted extended "Sistrunk" approach (RESA).** *Head & neck*  
Simon, C., Holsinger, F. C., Rheinwald, M., Kemper, J., Lambercy, K.  
2020
- **Recommendations for head and neck surgical oncology practice in a setting of acute severe resource constraint during the COVID-19 pandemic: an international consensus.** *The Lancet. Oncology*  
Mehanna, H., Hardman, J. C., Shenson, J. A., Abou-Foul, A. K., Topf, M. C., AlFalasi, M., Chan, J. Y., Chaturvedi, P., Chow, V. L., Dietz, A., Fagan, J. J., Godballe, C., Golusinski, et al  
2020
- **Compensatory motion scaling for time-delayed robotic surgery.** *Surgical endoscopy*  
Orosco, R. K., Lurie, B., Matsuzaki, T., Funk, E. K., Divi, V., Holsinger, F. C., Hong, S., Richter, F., Das, N., Yip, M.  
2020
- **Intraoperative identification of critical vascular landmarks of the lateral oropharynx and tongue base using transoral robotic ultrasound (TORUS)**  
Liu, W. P., Holsinger, F., Vendra, V.  
AMER ASSOC CANCER RESEARCH.2020: 66
- **Status and strategies for the management of head and neck cancer during COVID-19 pandemic: Indian Scenario.** *Head & neck*  
Gupta, A., Arora, V., Nair, D., Agrawal, N., Su, Y., Holsinger, C., Chan, J.  
2020
- **Survival Benefit of Postoperative Radiotherapy in Pathological N1 Oral Cavity Squamous Cell Carcinoma**  
Xiang, M., Holsinger, F. C., Gensheimer, M. F., Divi, V., Pollom, E., Colevas, A. D., Le, Q. T., Beadle, B. M.  
ELSEVIER SCIENCE INC.2020: 1125
- **A THYROID GENETIC CLASSIFIER CORRECTLY PREDICTS BENIGN NODULES WITH INDETERMINATE CYTOLOGY: TWO-INDEPENDENT MULTICENTER, PROSPECTIVE VALIDATION TRIALS.** *Thyroid : official journal of the American Thyroid Association*  
Zafereo, M. n., McIver, B. n., Vargas, S. n., Domínguez Ruiz-Tagle, J. M., Steward, D. n., Holsinger, F. C., Kandil, E. n., Williams, M. D., Cruz, F. n., Loyola, S. n., Solar, A. n., Roa, J. C., Leon, et al  
2020
- **Management of Dysphagia in The Head and Neck Cancer Patient during COVID-19 Pandemic: A Practical Strategy.** *Head & neck*  
Ku, P. K., Holsinger, F. C., Chan, J. Y., Yeung, Z. C., Chan, B. Y., Tong, M. C., Starmer, H. M.  
2020
- **Perceived value drives use of routine asymptomatic surveillance PET/CT by physicians who treat head and neck cancer.** *Head & neck*  
Roman, B. R., Lohia, S. n., Mitra, N. n., Wang, M. B., Pou, A. M., Holsinger, F. C., Myssiorek, D. n., Goldenberg, D. n., Asch, D. A., Shea, J. A.  
2020
- **There is no routine head and neck exam during the COVID-19 pandemic.** *Head & neck*  
Chan, J. Y., Tsang, R. K., Yeung, K. W., Abdullah, V. n., Ku, P. n., Wong, E. W., Mehta, N. n., Orosco, R. K., Holsinger, F. C.  
2020
- **A Framework for Prioritizing Head and Neck Surgery during the COVID-19 Pandemic.** *Head & neck*  
Topf, M. C., Shenson, J. A., Holsinger, F. C., Wald, S. H., Cianfichi, L. J., Rosenthal, E. L., Sunwoo, J. B.

2020

- **Effectiveness of a Home-based Head and Neck Lymphedema Management Program: A Pilot Study.** *The Laryngoscope*  
Yao, T. n., Beadle, B. n., Holsinger, C. F., Starmer, H. M.  
2020
- **Managing the Head and Neck Cancer Patient with Tracheostomy or Laryngectomy During the COVID-19 Pandemic.** *Head & neck*  
Kligerman, M. P., Vukkadala, N. n., Tsang, R. K., Sunwoo, J. B., Holsinger, F. C., Chan, J. Y., Damrose, E. J., Kearney, A. n., Starmer, H. M.  
2020
- **Prolongation of definitive head and neck cancer radiotherapy: Survival impact and predisposing factors.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*  
Xiang, M. n., Gensheimer, M. F., Pollom, E. L., Holsinger, F. C., Colevas, A. D., Le, Q. T., Beadle, B. M.  
2020
- **COVID-19 and the otolaryngologist - preliminary evidence-based review.** *The Laryngoscope*  
Vukkadala, N. n., Qian, Z. J., Holsinger, F. C., Patel, Z. M., Rosenthal, E. n.  
2020
- **Bleeding Complications After Transoral Robotic Surgery: A Meta-Analysis and Systematic Review.** *The Laryngoscope*  
Stokes, W. n., Ramadan, J. n., Lawson, G. n., Ferris, F. R., Holsinger, F. C., Turner, M. T.  
2020
- **Transoral thyroidectomy with a next generation flexible robotic system: A feasibility study in a cadaveric model** *GLAND SURGERY*  
Chan, J. K., Koh, Y. W., Richmon, J., Kim, J., Holsinger, F., Orloff, L., Anuwong, A.  
2019; 8 (6): 644-+
- **Transoral thyroidectomy with a next generation flexible robotic system: A feasibility study in a cadaveric model.** *Gland surgery*  
Chan, J. Y., Koh, Y. W., Richmon, J., Kim, J., Holsinger, F. C., Orloff, L., Anuwong, A.  
2019; 8 (6): 644-647
- **Anatomical-based classification for transoral lateral oropharyngectomy.** *Oral oncology*  
De Virgilio, A., Kim, S., Magnuson, J. S., Holsinger, C., Remacle, M., Lawson, G., Wang, C., Mercante, G., Malvezzi, L., Iocca, O., Di Maio, P., Ferreli, F., Pellini, et al  
2019; 99: 104450
- **Augmented reality for image guidance in transoral robotic surgery.** *Journal of robotic surgery*  
Chan, J. Y., Holsinger, F. C., Liu, S., Sorger, J. M., Azizian, M., Tsang, R. K.  
2019
- **Editorial on "Predictors and Prevalence of Nodal Disease in Salvage Oropharyngectomy".** *Annals of surgical oncology*  
Chan, J. Y., Holsinger, F. C.  
2019
- **Hybrid supracricoid partial laryngectomy with cricothyroidopiglottopexy via transoral robotic surgery** *LARYNGOSCOPE*  
Nakayama, M., Holsinger, F., Orosco, R. K.  
2019; 129 (9): 2065-70
- **Management of the Neck in Squamous Cell Carcinoma of the Oral Cavity and Oropharynx: ASCO Clinical Practice Guideline** *JOURNAL OF CLINICAL ONCOLOGY*  
Koyfman, S. A., Ismaila, N., Crook, D., D'Cruz, A., Rodriguez, C. P., Sher, D. J., Silbermins, D., Sturgis, E. M., Tsue, T. T., Weiss, J., Yom, S. S., Holsinger, F.  
2019; 37 (20): 1753-+
- **Transoral supraglottic laryngectomy using a next-generation single-port robotic surgical system** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Orosco, R. K., Tam, K., Nakayama, M., Holsinger, F., Spriano, G.  
2019; 41 (7): 2143-47
- **Prospective clinical trial to evaluate safety and feasibility of using a single port flexible robotic system for transoral head and neck surgery.** *Oral oncology*  
Chan, J. Y., Tsang, R. K., Holsinger, F. C., Tong, M. C., Ng, C. W., Chiu, P. W., Ng, S. S., Wong, E. W.  
2019; 94: 101-5

- **Cost comparison of treatment for oropharyngeal carcinoma** *LARYNGOSCOPE*  
Tam, K., Orosco, R. K., Colevas, A., Bedi, N., Starmer, H. M., Beadle, B. M., Holsinger, F.  
2019; 129 (7): 1604–9
- **Submandibular gland resection via the trans-hairline approach: A preclinical study of a novel flexible single-port surgical system and the surgical experiences of standard multiarm robotic surgical systems** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Yang, T., Li, H., Holsinger, F., Koh, Y.  
2019; 41 (7): 2231–38
- **Curved Laryngopharyngoscope With Flexible Next-Generation Robotic Surgical System for Transoral Hypopharyngeal Surgery: A Preclinical Evaluation.** *The Annals of otology, rhinology, and laryngology*  
Eguchi, K., Chan, J. Y., Tateya, I., Shimizu, A., Holsinger, F. C., Sugimoto, T.  
2019: 3489419856391
- **The Combination of RET, BRAF and Demographic Data Identifies Subsets of Patients with Aggressive Papillary Thyroid Cancer** *HORMONES & CANCER*  
Martinez, J. W., Vargas-Salas, S., Urrea Gamboa, S., Munoz, E., Miguel Dominguez, J., Leon, A., Droppelmann, N., Solar, A., Zafereo, M., Holsinger, F., Gonzalez, H. E.  
2019; 10 (2-3): 97–106
- **Management of the Neck in Squamous Cell Carcinoma of the Oral Cavity and Oropharynx: ASCO Clinical Practice Guideline Summary** *JOURNAL OF ONCOLOGY PRACTICE*  
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