



Maxwell Lee

- Postdoctoral Medical Fellow, Otolaryngology - Head & Neck Surgery
- Resident in OHNS/Otolaryngology/Head & Neck Surgery

Bio

BIO

Maxwell Y. Lee is a resident in Otolaryngology–Head and Neck Surgery with clinical interests in head and neck oncologic and reconstructive surgery. He is also a postdoctoral scholar in the same department, whose work focuses on translational immuno-oncology and outcomes research in head and neck cancers. His research integrates single-cell and spatial transcriptomics to define tumor–immune niches and mechanisms of resistance to PD-1/PD-L1 blockade, with the goal of developing predictive biomarkers of treatment response.

CLINICAL FOCUS

- Residency

Publications

PUBLICATIONS

- **Single-cell spatial transcriptomics uncovers niches that govern response to PD-1/PD-L1 blockade in cutaneous squamous cell carcinoma.** *Journal for immunotherapy of cancer*
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- **Chimeric antigen receptor engineered NK cellular immunotherapy overcomes the selection of T-cell escape variant cancer cells.** *Journal for immunotherapy of cancer*
Lee, M. Y., Robbins, Y., Sievers, C., Friedman, J., Abdul Sater, H., Clavijo, P. E., Judd, N., Tsong, E., Silvin, C., Soon-Shiong, P., Padget, M. R., Schlom, J., Hodge, et al 2021; 9 (3)
- **Mechanisms of resistance to T cell-based immunotherapy in head and neck cancer.** *Head & neck*
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- **Risk Factors for Esophageal Stricture Status Post Total Laryngectomy: A Systematic Review and Meta-analysis.** *Dysphagia*
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- **Patterns of Influenza Vaccination in Head and Neck Cancer Patients in the United States.** *Laryngoscope investigative otolaryngology*
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- **Effects of diagnostic delays in head and neck cancer patients presenting to the emergency department.** *Oral oncology*
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- **Newborn hearing screening methodology impacts the timing of diagnosis for auditory neuropathy spectrum disorder.** *American journal of otolaryngology*
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- **Primary Total Laryngectomy versus Organ Preservation for Locally Advanced T3/T4a Laryngeal Cancer.** *The Laryngoscope*
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- **Prognostic value of computed tomography scan detection of cartilage invasion in advanced laryngeal cancer treated with primary total laryngectomy** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*
Lee, M. Y., Lee, J., Stock, S., Belfiglio, M., Matia, B., Koyfman, S., Joshi, N. P., Burkey, B. B., Lamarre, E., Prendes, B., Scharpf, J., Lorenz, R. R., Woody, et al
2022; 44 (10): 2220-2227
- **Determining if T cell antigens are naturally processed and presented on HLA class I molecules** *BMC IMMUNOLOGY*
Friedman, J., Gunti, S., Lee, M., Bai, K., Hinrichs, C., Allen, C. T.
2022; 23 (1): 5
- **A Volumetric Dosimetry Analysis of Vertebral Body Fracture Risk After Single Fraction Spine Stereotactic Body Radiation Therapy** *PRACTICAL RADIATION ONCOLOGY*
Lee, M. Y., Ouyang, Z., LaHurd, D., Xia, P., Chao, S. T., Suh, J. H., Angelov, L., Magnelli, A., Balik, S., Balagamwala, E. H.
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- **Immunotherapy for HPV Malignancies.** *Seminars in radiation oncology*
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- **Predictors of second-sided deep brain stimulation for Parkinson's disease** *JOURNAL OF NEUROSURGERY*
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- **Detection and Oncologic Outcomes of Head and Neck Squamous Cell Carcinoma of Unknown Primary Origin** *ANTICANCER RESEARCH*
Lee, M. Y., Fowler, N., Adelstein, D., Koyfman, S., Prendes, B., Burkey, B. B.
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- **Comparative Effectiveness Between Primary and Revision Foraminotomy for the Treatment of Lumbar Foraminal Stenosis** *INTERNATIONAL JOURNAL OF SPINE SURGERY*
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- **A cough that won't go away: Evaluation and treatment in 2 patients** *CLEVELAND CLINIC JOURNAL OF MEDICINE*
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- **The efficacy of intraoperative multimodal monitoring in pedicle subtraction osteotomies of the lumbar spine**
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- **Intraoperative Multimodal Monitoring in Pedicle Subtraction Osteotomies of the Lumbar Spine A Narrative Literature Review** *CLINICAL SPINE SURGERY*
Shao, J., Lee, B. S., Pelle, D., Lee, M. Y., Savage, J., Tanenbaum, J. E., Mroz, T. E., Steinmetz, M. P.
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