




Stanley Yung Liu, MD, DDS

Assistant Professor of Otolaryngology/Head & Neck Surgery (Sleep Surgery) and, by courtesy, of Surgery (Plastic and Reconstructive Surgery) at the Stanford University Medical Center

Otolaryngology - Head & Neck Surgery Divisions

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Sleep Surgery Clinic**

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Bio

BIO

Dr. Liu is an Assistant Professor of Otolaryngology, and of Plastic and Reconstructive Surgery by courtesy, at Stanford University School of Medicine. He is co-director of the Stanford Sleep Surgery Fellowship, and preceptor to the Stanford Oculoplastic Surgery Fellowship. He is a Stanford Biodesign Faculty Fellow Alum.

Dr. Liu received medical and dental degrees from the University of California-San Francisco (UCSF). He was a former Howard Hughes Medical Institute (HHMI) Research Scholar. After oral and maxillofacial surgery residency at UCSF, he completed the Stanford sleep surgery fellowship in 2014 with the Department of Otolaryngology and sleep surgery pioneer Dr. Robert Riley.

Dr. Liu practices the full scope of sleep apnea surgery including nasal, palate, tongue base, hypoglossal nerve stimulation, genioglossus advancement, and maxillomandibular advancement (MMA). He introduced adult maxillary expansion (DOME) for OSA with Professor Christian Guilleminault in 2015, and has continued to update the comprehensive sleep surgery protocol at Stanford.

He is also routinely referred patients who need complex facial trauma and orthognathic surgery.

Dr. Liu's active areas of research include dynamic airway examination to optimize sleep surgery outcome, virtual surgical planning for facial skeletal surgery, and neuromodulation of the upper airway. He has given keynote talks nationally and internationally at preeminent sleep conferences across specialties. He has published over 80 scientific articles and medical texts, with original scientific work on sleep surgery.

CLINICAL FOCUS

- Sleep Apnea, Obstructive
- Sleep Apnea Surgery
- Maxillomandibular Advancement (MMA)

- Hypoglossal Nerve Stimulation (Inspire)
- Orthognathic Surgery
- Facial Trauma
- Oral and Maxillofacial Surgery

ACADEMIC APPOINTMENTS

- Assistant Professor - Med Center Line, Otolaryngology - Head & Neck Surgery Divisions
- Assistant Professor - Med Center Line (By courtesy), Surgery - Plastic & Reconstructive Surgery

ADMINISTRATIVE APPOINTMENTS

- Co-Director, Sleep Surgery Fellowship, (2015- present)
- Preceptor, Oculoplastic Surgery Fellowship, (2016- present)

HONORS AND AWARDS

- Scholar, Howard Hughes Medical Institute (2005-06)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Consultant, Sleep Disorders Committee, American Academy of Otolaryngology-Head and Neck Surgery (2018 - present)
- Member, Sleep Disorders Committee, American Academy of Otolaryngology-Head and Neck Surgery (2016 - 2018)

PROFESSIONAL EDUCATION

- Fellowship, Stanford University , Otolaryngology - Sleep Surgery (2014)
- Residency, University of California - San Francisco (UCSF) , Oral and Maxillofacial Surgery (2013)
- Internship: UCSF General Surgery Residency (2012) CA
- MD, University of California - San Francisco (UCSF) , Medicine (2011)
- DDS, University of California - San Francisco (UCSF) , Dentistry (2007)
- BS, Stanford University , Biology (2000)

LINKS

- Upper Airway Stimulation (Hypoglossal Nerve Stimulation) for Obstructive Sleep Apnea: <https://www.inspiresleep.com/doctor-search/clinic-list/>
- When is Snoring Worth Worrying About (Stanford Magazine): <http://scopeblog.stanford.edu/2016/12/28/when-is-snoring-worth-worrying-about-a-qa-with-a-stanford-sleep-surgeon/>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CLINICAL TRIALS

- SPG Neurostimulation in Cluster Patients, Not Recruiting

Publications

PUBLICATIONS

- **Maxillomandibular Advancement and Upper Airway Stimulation: Extrapharyngeal Surgery for Obstructive Sleep Apnea.** *Clinical and experimental otorhinolaryngology*
Yu, M. S., Ibrahim, B., Riley, R. W., Liu, S. Y.
2020

- **Palatopharyngoplasty Resolves Concentric Collapse in Patients Ineligible for Upper Airway Stimulation.** *The Laryngoscope*
Liu, S. Y., Hutz, M. J., Poomkonsarn, S., Chang, C. P., Awad, M., Capasso, R.
2020
- **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
- **Impact of Distraction Osteogenesis Maxillary Expansion on the Internal Nasal Valve in Obstructive Sleep Apnea** *OTOLARYNGOLOGY-HEAD AND NECK SURGERY*
Abdelwahab, M., Yoon, A., Okland, T., Poomkonsarn, S., Gouveia, C., Liu, S.
2019; 161 (2): 362–67
- **Distraction Osteogenesis Maxillary Expansion (DOME) for adult obstructive sleep apnea patients with narrow maxilla and nasal floor.** *Sleep medicine*
Yoon, A., Guilleminault, C., Zaghi, S., Liu, S. Y.
2019
- **The Upper Airway Nasal Complex: Structural Contribution to Persistent Nasal Obstruction.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Williams, R., Patel, V., Chen, Y., Tangbumrungtham, N., Thamboo, A., Most, S. P., Nayak, J. V., Liu, S. Y.
2019: 194599819838262
- **Maxillomandibular Advancement: Contemporary Approach at Stanford.** *Atlas of the oral and maxillofacial surgery clinics of North America*
Liu, S. Y., Awad, M., Riley, R. W.
2019; 27 (1): 29–36
- **Sleep Surgery in the Era of Precision Medicine.** *Atlas of the oral and maxillofacial surgery clinics of North America*
Liu, S. Y., Wayne Riley, R., Pogrel, A., Guilleminault, C.
2019; 27 (1): 1–5
- **Distraction Osteogenesis Maxillary Expansion (DOME) for Adult Obstructive Sleep Apnea Patients with High Arched Palate.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Liu, S. Y., Guilleminault, C., Huon, L. K., Yoon, A.
2017; 157 (2): 345–48
- **Efficacy of Maxillomandibular Advancement Examined with Drug-Induced Sleep Endoscopy and Computational Fluid Dynamics Airflow Modeling.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Liu, S. Y., Huon, L., Iwasaki, T., Yoon, A., Riley, R., Powell, N., Torre, C., Capasso, R.
2016; 154 (1): 189-195
- **Surgical Algorithm for Obstructive Sleep Apnea : An Update.** *Clinical and experimental otorhinolaryngology*
Liu, S. Y., Riley, R. W., Yu, M. S.
2020
- **The role of pediatric maxillary expansion on nasal breathing. A systematic review and metanalysis.** *International journal of pediatric otorhinolaryngology*
Calvo-Henriquez, C., Capasso, R., Chiesa-Estomba, C., Liu, S. Y., Martins-Neves, S., Castedo, E., O'Connor-Reina, C., Ruano-Ravina, A., Kahn, S.
2020; 135: 110139
- **Safeness, subjective and objective changes after turbinate surgery in pediatric patients: A systematic review.** *International journal of pediatric otorhinolaryngology*
Calvo-Henriquez, C., Capasso, R., Martinez-Capoccioni, G., Rangel-Chaves, J., Liu, S. Y., O'Connor-Reina, C., Lechien, J. R., Martin-Martin, C.
2020; 135: 110128
- **Role of rhinomanometry in the prediction of therapeutic positive airway pressure for obstructive sleep apnea.** *Respiratory research*
Hsu, Y., Liu, S. Y., Lan, M., Huang, Y., Tzeng, I., Lan, M.
2020; 21 (1): 115
- **Multi-perspective clustering of obstructive sleep apnea towards precision therapeutic decision including craniofacial intervention.** *Sleep & breathing = Schlaf & Atmung*
Kim, S., Alnakhli, W. M., Alfaraj, A. S., Kim, K., Kim, S., Liu, S. Y.

2020

- **How does distraction osteogenesis maxillary expansion (DOME) reduce severity of obstructive sleep apnea?** *Sleep & breathing = Schlaf & Atmung*
Iwasaki, T., Yoon, A., Guilleminault, C., Yamasaki, Y., Liu, S. Y.
2019
- **Genial tubercle position and genioglossus advancement in obstructive sleep apnea (OSA) treatment: a systematic review** *MAXILLOFACIAL PLASTIC AND RECONSTRUCTIVE SURGERY*
Chang, E. T., Kwon, Y., Jung, J., Capasso, R., Riley, R., Liu, S. C., Camacho, M.
2019; 41 (1)
- **Lingual frenuloplasty with myofunctional therapy: Exploring safety and efficacy in 348 cases** *LARYNGOSCOPE INVESTIGATIVE OTOLARYNGOLOGY*
Zaghi, S., Valcu-Pinkerton, S., Jabara, M., Norouz-Knutsen, L., Govardhan, C., Moeller, J., Sinkus, V., Thorsen, R. S., Downing, V., Camacho, M., Yoon, A., Hang, W. M., Hockel, et al
2019
- **Clinical Trials in Obstructive Sleep Apnea: Recognizing Trends and Future Opportunities**
Singh, S. K., Gu, D., Capasso, R., Liu, S., Gouveia, C. J.
WILEY.2019: 1940–44
- **Severe Obstructive Sleep Apnea With Imaged Carotid Plaque Is Significantly Associated With Systemic Inflammation** *JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY*
Lee, U. K., Liu, S., Zeidler, M. R., Hoang-Anh Tran, Chang, T., Friedlander, A. H.
2019; 77 (8): 1636–42
- **Optimizing mandibular sagittal split of large maxillomandibular advancements for obstructive sleep apnea: patient and surgical factors.** *Clinical oral investigations*
Chen, Y. F., Ko, E. C., Zaghi, S., Yoon, A., Williams, R., Riley, R., Liu, S. Y.
2019
- **The Upper Airway Nasal Complex: Structural Contribution to Persistent Nasal Obstruction**
Williams, R., Patel, V., Chen, Y., Tangbumrungham, N., Thamboo, A., Most, S. P., Nayak, J. V., Liu, S. C.
SAGE PUBLICATIONS LTD.2019: 171–77
- **Impact of Distraction Osteogenesis Maxillary Expansion on the Internal Nasal Valve in Obstructive Sleep Apnea.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Abdelwahab, M., Yoon, A., Okland, T., Poomkonsarn, S., Gouveia, C., Liu, S. Y.
2019: 194599819842808
- **Effect of nasal and sinus surgery in patients with and without obstructive sleep apnea** *ACTA OTO-LARYNGOLOGICA*
Wang, M., Liu, S., Zhou, B., Li, Y., Cui, S., Huang, Q.
2019; 139 (5): 467–72
- **THE EFFECT OF SLEEPING POSITION ON THE EFFICACY OF HYPOGLOSSAL NERVE STIMULATION**
Chou, C., Poomkonsarn, S., Liu, S. Y., Capasso, R., During, E.
OXFORD UNIV PRESS INC.2019
- **THE RELATIONSHIP BETWEEN CONTINUOUS POSITIVE AIRWAY PRESSURE TREATMENT IN OBSTRUCTIVE SLEEP APNEA SYNDROME PATIENTS AND SENSORINEURAL HEARING LOSS: A PROSPECTIVE COHORT STUDY**
Chi, J., Hua, T., Liu, S.
OXFORD UNIV PRESS INC.2019
- **UPPER AIRWAY STIMULATION: TITRATION BEYOND THE ATTENDED POLYSOMNOGRAPHY**
Liu, S., Poomkonsarn, S., Chou, C., During, E.
OXFORD UNIV PRESS INC.2019
- **UPPER AIRWAY STIMULATION: WHO ARE THE PATIENTS REALLY GOING FOR IT?**
Poomkonsarn, S., Gouveia, C., Awad, M., Hong, C., Liu, S.
OXFORD UNIV PRESS INC.2019
- **The Role of the Revised Stanford Protocol in Today's Precision Medicine.** *Sleep medicine clinics*

- Liu, S. Y., Awad, M., Riley, R., Capasso, R.
2019; 14 (1): 99–107
- **Sleep Surgery: From Reconstruction to Restoration and Re-education.** *Atlas of the oral and maxillofacial surgery clinics of North America*
Liu, S. Y.
2019; 27 (1): xi
 - **Upper Airway (Hypoglossal Nerve) Stimulation for Treatment of Obstructive Sleep Apnea.** *Atlas of the oral and maxillofacial surgery clinics of North America*
Gupta, R. J., Kademani, D., Liu, S. Y.
2019; 27 (1): 53–58
 - **Tonsillectomy and Pharyngoplasty: Tissue-Preserving Techniques.** *Atlas of the oral and maxillofacial surgery clinics of North America*
Awad, M., Gouveia, C., Capasso, R., Liu, S. Y.
2019; 27 (1): 17–22
 - **The Role of the Revised Stanford Protocol in Today's Precision Medicine** *SLEEP MEDICINE CLINICS*
Liu, S., Awad, M., Riley, R., Capasso, R.
2019; 14 (1): 99–+
 - **Drug-Induced Sleep Endoscopy and Surgical Outcomes: A Multicenter Cohort Study** *LARYNGOSCOPE*
Green, K. K., Kent, D. T., D'Agostino, M. A., Hoff, P. T., Lin, H., Soose, R. J., Gillespie, M., Yaremchuk, K. L., Carrasco-Llatas, M., Woodson, B., Jacobowitz, O., Thaler, E. R., Barrera, et al
2019; 129 (3): 761–70
 - **Effect of nasal and sinus surgery in patients with and without obstructive sleep apnea.** *Acta oto-laryngologica*
Wang, M., Liu, S. Y., Zhou, B., Li, Y., Cui, S., Huang, Q.
2019: 1–6
 - **Severe Obstructive Sleep Apnea With Imaged Carotid Plaque Is Significantly Associated With Systemic Inflammation.** *Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons*
Lee, U. K., Liu, S. Y., Zeidler, M. R., Tran, H., Chang, T. I., Friedlander, A. H.
2019
 - **Lingual frenuloplasty with myofunctional therapy: Exploring safety and efficacy in 348 cases.** *Laryngoscope investigative otolaryngology*
Zaghi, S., Valcu-Pinkerton, S., Jabara, M., Norouz-Knutsen, L., Govardhan, C., Moeller, J., Sinkus, V., Thorsen, R. S., Downing, V., Camacho, M., Yoon, A., Hang, W. M., Hockel, et al
2019; 4 (5): 489–96
 - **Genial tubercle position and genioglossus advancement in obstructive sleep apnea (OSA) treatment: a systematic review.** *Maxillofacial plastic and reconstructive surgery*
Chang, E. T., Kwon, Y. D., Jung, J., Capasso, R., Riley, R., Liu, S. C., Camacho, M.
2019; 41 (1): 34
 - **Severity of Obstructive Sleep Apnea Is Positively Associated With the Presence of Carotid Artery Atheromas** *JOURNAL OF ORAL AND MAXILLOFACIAL SURGERY*
Chang, T., Lee, U. K., Zeidler, M. R., Liu, S., Polanco, J. C., Friedlander, A. H.
2019; 77 (1): 93–99
 - **Drug-Induced Sleep Endoscopy and Surgical Outcomes: A Multicenter Cohort Study.** *The Laryngoscope*
Green, K. K., Kent, D. T., D'Agostino, M. A., Hoff, P. T., Lin, H., Soose, R. J., Boyd Gillespie, M., Yaremchuk, K. L., Carrasco-Llatas, M., Tucker Woodson, B., Jacobowitz, O., Thaler, E. R., Barrera, et al
2018
 - **Changing practice: Trends in skeletal surgery for obstructive sleep apnea.** *Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery*
Awad, M., Gouveia, C., Zaghi, S., Camacho, M., Liu, S. Y.
2018
 - **Clinical Trials in Obstructive Sleep Apnea: Recognizing Trends and Future Opportunities.** *The Laryngoscope*
Singh, S. K., Gu, D., Capasso, R., Liu, S., Gouveia, C. J.

2018

- **Publication Trends and Levels of Evidence in Obstructive Sleep Apnea Literature** *LARYNGOSCOPE*
Gouveia, C. J., Zaghi, S., Awad, M., Camacho, M., Liu, S. C., Capasso, R., Kern, R. C.
2018; 128 (9): 2193–99
- **Severity of Obstructive Sleep Apnea Is Positively Associated With the Presence of Carotid Artery Atheromas.** *Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons*
Chang, T. I., Lee, U. K., Zeidler, M. R., Liu, S. Y., Polanco, J. C., Friedlander, A. H.
2018
- **YouTube as a source of information for obstructive sleep apnea** *AMERICAN JOURNAL OF OTOLARYNGOLOGY*
Singh, S. K., Liu, S., Capasso, R., Kern, R. C., Gouveia, C. J.
2018; 39 (4): 378–82
- **"Split to save": Accessing mandibular lesions using sagittal split osteotomy with virtual surgical planning** *ENT-EAR NOSE & THROAT JOURNAL*
Liu, S., Sidell, D., Huon, L., Torre, C.
2018; 97 (3): 91–96
- **Publication trends and levels of evidence in obstructive sleep apnea literature.** *The Laryngoscope*
Gouveia, C. J., Zaghi, S., Awad, M., Camacho, M., Liu, S. Y., Capasso, R., Kern, R. C.
2018
- **Integrating the Divided Nasal Cannula Into Routine Polysomnography to Assess Nasal Cycle: Feasibility and Effect on Outcomes** *JOURNAL OF CLINICAL SLEEP MEDICINE*
Scapuccin, M., Schneider, L., Rashid, N., Zaghi, S., Rosa, T., Tsuo, Y., Liu, S., Lazarini, P., Capasso, R., Ruoff, C.
2018; 14 (4): 641–50
- **Hypoglossal nerve stimulation for treatment of obstructive sleep apnea (OSA): a primer for oral and maxillofacial surgeons** *MAXILLOFACIAL PLASTIC AND RECONSTRUCTIVE SURGERY*
Hong, S., Chen, Y., Jung, J., Kwon, Y., Liu, S.
2017; 39 (1)
- **Corrective Nasal Surgery after Maxillomandibular Advancement for Obstructive Sleep Apnea: Experience from 379 Cases.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Liu, S. Y., Lee, P., Awad, M., Riley, R. W., Zaghi, S.
2017: 194599817695807-?
- **Genial tubercle advancement and genioplasty for obstructive sleep apnea: A systematic review and meta-analysis** *LARYNGOSCOPE*
Song, S. A., Chang, E. T., Certal, V., Del Do, M., Zaghi, S., Liu, S. Y., Capasso, R., Camacho, M.
2017; 127 (4): 984-992
- **The state of academic sleep surgery: A survey of United States residency and fellowship programs.** *Laryngoscope*
Gouveia, C. J., Kern, R. C., Liu, S. Y., Capasso, R.
2017
- **Transpalatal advancement pharyngoplasty for obstructive sleep apnea: a systematic review and meta-analysis.** *European archives of oto-rhino-laryngology*
Volner, K., Dunn, B., Chang, E. T., Song, S. A., Liu, S. Y., Brietzke, S. E., O'Connor, P., Camacho, M.
2017; 274 (3): 1197-1203
- **Continuing the Original Stanford Sleep Surgery Protocol From Upper Airway Reconstruction to Upper Airway Stimulation: Our First Successful Case.** *Journal of oral and maxillofacial surgery*
Liu, S. Y., Riley, R. W.
2017
- **Impact of Continuous Positive Airway Pressure in Patients with Obstructive Sleep Apnea During Drug Induced Sleep Endoscopy.** *Clinical otolaryngology*
Torre, C., Liu, S. Y., Kushida, C. A., Nekhendzy, V., Huon, L., Capasso, R.
2017
- **Laser Assisted Uvulopalatoplasty (LAUP) for Obstructive Sleep Apnea: A Systematic Review and Meta-Analysis.** *Sleep*
Camacho, M., Nesbitt, N. B., Lambert, E., Song, S. A., Chang, E. T., Yung Liu, S., Kushida, C. A., Zaghi, S.

2017

- **Sleep Surgery in the Elderly.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Gouveia, C. J., Cramer, J. D., Liu, S. Y., Capasso, R.
2017; 194599817691475-?
- **Tongue retaining devices for obstructive sleep apnea: A systematic review and meta-analysis.** *American journal of otolaryngology*
Chang, E. T., Fernandez-Salvador, C., Giambo, J., Nesbitt, B., Liu, S. Y., Capasso, R., Kushida, C. A., Camacho, M.
2017
- **Toward a functional definition of ankyloglossia: validating current grading scales for lingual frenulum length and tongue mobility in 1052 subjects.** *Sleep & breathing = Schlaf & Atmung*
Yoon, A., Zaghi, S., Weitzman, R., Ha, S., Law, C. S., Guilleminault, C., Liu, S. Y.
2017
- **An Accurate Method of Designing and Performing Individual-Specific Genioglossus Advancement** *OTOLARYNGOLOGY-HEAD AND NECK SURGERY*
Liu, S. Y., Huon, L., Zaghi, S., Riley, R., Torre, C.
2017; 156 (1): 194-197
- **Restoration of Sleep Architecture after Maxillomandibular Advancement: Success Beyond the Apnea-Hypopnea Index.** *International journal of oral and maxillofacial surgery*
Liu, S. Y., Huon, L. K., Ruoff, C., Riley, R. W., Strohl, K. P., Peng, Z.
2017; 46 (12): 1533-38
- **Mandibular advancement for adult obstructive sleep apnea: A systematic review and meta-analysis.** *Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery*
Noller, M. W., Guilleminault, C., Gouveia, C. J., Mack, D., Vivian, C., Abdullatif, J., Mangili, S., Liu, S. Y., Zaghi, S., Camacho, M.
2017; 45 (12): 2035-40
- **Hypopharyngeal Evaluation in Obstructive Sleep Apnea with Awake Flexible Laryngoscopy: Validation and Updates to Cormack-Lehane and Modified Cormack-Lehane Scoring Systems.** *Clinical otolaryngology : official journal of ENT-UK ; official journal of Netherlands Society for Oto-Rhino-Laryngology & Cervico-Facial Surgery*
Torre, C., Zaghi, S., Camacho, M., Capasso, R., Liu, S. Y.
2017
- **Ankyloglossia as a risk factor for maxillary hypoplasia and soft palate elongation: A functional - morphological study.** *Orthodontics & craniofacial research*
Yoon, A. J., Zaghi, S., Ha, S., Law, C. S., Guilleminault, C., Liu, S. Y.
2017; 20 (4): 237-44
- **Hypoglossal nerve stimulation for treatment of obstructive sleep apnea (OSA): a primer for oral and maxillofacial surgeons.** *Maxillofacial plastic and reconstructive surgery*
Hong, S. O., Chen, Y. F., Jung, J., Kwon, Y. D., Liu, S. Y.
2017; 39 (1): 27
- **Comparison of functional outcomes and patient-reported satisfaction between titanium and absorbable plates and screws for fixation of mandibular fractures: A one-year prospective study.** *Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery*
Leno, M. B., Liu, S. Y., Chen, C. T., Liao, H. T.
2017
- **Static craniofacial measurements and dynamic airway collapse patterns associated with severe obstructive sleep apnoea: a sleep MRI study** *CLINICAL OTOLARYNGOLOGY*
Liu, S. Y., Huon, L., Lo, M., Chang, Y., Capasso, R., Chen, Y., Shih, T. T., Wang, P.
2016; 41 (6): 700-706
- **The association between ophthalmologic diseases and obstructive sleep apnea: a systematic review and meta-analysis** *SLEEP AND BREATHING*
Huon, L., Liu, S. Y., Camacho, M., Guilleminault, C.
2016; 20 (4): 1145-1154
- **Dynamic upper airway collapse observed from sleep MRI: BMI-matched severe and mild OSA patients** *EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY*
Huon, L., Liu, S. Y., Shih, T. T., Chen, Y., Lo, M., Wang, P.

2016; 273 (11): 4021-4026

- **Subtypes of Maxillomandibular Advancement Surgery for Patients With Obstructive Sleep Apnea** *JOURNAL OF CRANIOFACIAL SURGERY*
Lee, W., Hwang, D., Liu, S. Y., Kim, S.
2016; 27 (8): 1965-1970
- **Inferior alveolar nerve hemangioma.** *Laryngoscope*
Vaezaafshar, R., Liu, S. Y., Sidell, D.
2016; 126 (9): 2168-2170
- **Genial tubercle advancement and genioplasty for obstructive sleep apnea: A systematic review and meta-analysis.** *Laryngoscope*
Song, S. A., Chang, E. T., Certal, V., Del Do, M., Zaghi, S., Liu, S. Y., Capasso, R., Camacho, M.
2016
- **Supraglottoplasty for laryngomalacia with obstructive sleep apnea: A systematic review and meta-analysis** *LARYNGOSCOPE*
Camacho, M., Dunn, B., Torre, C., Sasaki, J., Gonzales, R., Liu, S. Y., Chan, D. K., Certal, V., Cable, B. B.
2016; 126 (5): 1246-1255
- **Epiglottis collapse in adult obstructive sleep apnea: A systematic review.** *Laryngoscope*
Torre, C., Camacho, M., Liu, S. Y., Huon, L., Capasso, R.
2016; 126 (2): 515-523
- **Hyoid surgery alone for obstructive sleep apnea: A systematic review and meta-analysis.** *The Laryngoscope*
Song, S. A., Wei, J. M., Buttram, J., Tolisano, A. M., Chang, E. T., Liu, S. Y., Certal, V., Camacho, M.
2016
- **Lateral pharyngeal wall collapse associated with hypoxemia in obstructive sleep apnea.** *Laryngoscope*
Lan, M., Liu, S. Y., Lan, M., Modi, R., Capasso, R.
2015; 125 (10): 2408-2412
- **Large maxillomandibular advancements for obstructive sleep apnea: An operative technique evolved over 30 years.** *Journal of cranio-maxillo-facial surgery*
Camacho, M., Liu, S. Y., Certal, V., Capasso, R., Powell, N. B., Riley, R. W.
2015; 43 (7): 1113-1118
- **Lateral Pharyngeal Wall Tension After Maxillomandibular Advancement for Obstructive Sleep Apnea Is a Marker for Surgical Success: Observations From Drug-Induced Sleep Endoscopy.** *Journal of oral and maxillofacial surgery*
Liu, S. Y., Huon, L., Powell, N. B., Riley, R., Cho, H. G., Torre, C., Capasso, R.
2015; 73 (8): 1575-1582
- **Inferior Turbinate classification system, grades 1 to 4: Development and validation study.** *Laryngoscope*
Camacho, M., Zaghi, S., Certal, V., Abdullatif, J., Means, C., Acevedo, J., Liu, S., Brietzke, S. E., Kushida, C. A., Capasso, R.
2015; 125 (2): 296-302
- **Anterior Mandibular Fractures** *Atlas of Oral and Maxillofacial Surgery*
Bast, B., Liu, S.
Elsevier Saunders.2015: 680-687
- **Advancements in office-based anesthesia in oral and maxillofacial surgery.** *Atlas of the oral and maxillofacial surgery clinics of North America*
Robert, R. C., Liu, S., Patel, C., Gonzalez, M. L.
2013; 21 (2): 139-165
- **Surgical Care of the Hemifacial Microsomia Patient** *Current Therapy in Oral and Maxillofacial Surgery*
Liu, S., Good, P., Lee, J. S.
Elsevier.2012: 828-834
- **IDENTIFYING RISK FACTORS FOR POSTOPERATIVE CARDIOVASCULAR AND RESPIRATORY COMPLICATIONS AFTER MAJOR ORAL CANCER SURGERY** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*
Dillon, J. K., Liu, S. Y., Patel, C. M., Schmidt, B. L.
2011; 33 (1): 112-116

- **Peripheral endothelin A receptor antagonism attenuates carcinoma-induced pain** *EUROPEAN JOURNAL OF PAIN*
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