

Stanford



audrey yoon

Adjunct Clinical Assistant Professor, Psychiatry and Behavioral Sciences - Sleep Medicine

CLINICAL OFFICES

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Bio

BIO

Dr. Audrey Yoon is a dual trained orthodontist and pediatric dentist who specializes in sleep medicine and esthetics. She practices the full scope of non-surgical and surgical orthodontics from pediatric to geriatric population for airway management including growth modification, pediatric palatal expansion, customized Miniscrew-Assisted Rapid Palatal Expansion (MARPE), Distraction Osteogenesis Maxillary Expansion (DOME), Orthodontic treatment for Maxillomandibular Advancement (MMA), clear aligner therapy and oral appliances for sleep apnea.

She has established World Dentofacial Sleep Society and serves as a founding president. She is also a diplomate of the American Board of Dental Sleep Medicine and a diplomate of the American Board of Orthodontics. She is currently an adjunct assistant professor of Stanford Sleep Medicine Center at Stanford University, a clinical assistant professor in Orthodontics at University of Pacific and a clinical associate at Tufts University School of Dental Medicine. She founded the ortho/dental sleep medicine fellowship program at University of Pacific and currently serves as a program director. She is also a co-director of Pediatric Dental Sleep Mini-residency program at Tufts University.

She completed her orthodontic and pediatric dentistry residencies at the University of California Los Angeles (UCLA). She also earned her Doctor of Dental Surgery and Master of Science degree, completing extensive research in Obstructive Sleep Apnea (OSA) at UCLA. She has introduced on a pioneering technique, performing maxillary distraction osteogenesis for the treatment of OSA and has co-authored chapters on this subject in several leading textbooks. She has created an

interdisciplinary rotation program between Stanford Sleep Surgery and the University of Pacific Orthodontic Residency Program and is a co-founder of pediatric dental sleep medicine residency at Tufts University.

Currently her active areas of research include craniofacial growth modification, customized distractor designs, surgery-first approach of maxillomandibular advancement surgery technique, and the genomic study to identify genetic anatomical factors relating to OSA.

CLINICAL FOCUS

- Orthodontics
- Oral appliance for snoring and sleep apnea
- Full scope of dental sleep medicine
- Growth modification from infant to adolescent
- Rapid Palatal Expansion (RPE), Miniscrew-Assisted Rapid Palatal Expansion (MARPE), Distraction Osteogenesis Maxillary Expansion (DOME)
- Surgical Orthodontics for Sleep Apnea
- Surgical set up for Maxillomandibular Advancement (MMA)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Program Director, Dental Sleep Medicine Fellowship, University of Pacific (2023 - present)
- Co-President, World Dentofacial Sleep Society (2022 - present)
- Diplomate, The American Board of Orthodontics (2019 - present)
- Diplomate, The American Board of Dental Sleep Medicine (2019 - present)
- Co-Program Director, Pediatric Dental Sleep Medicine Mini-Residency, Tufts University (2018 - present)

PROFESSIONAL EDUCATION

- Board Certification: Orthodontics, American Board of Orthodontics (2020)
- Board Certification, The American Board of Dental Sleep Medicine
- Board Certification, The American Board of Orthodontics
- Residency: UCLA Orthodontics Residency (2008) CA
- Residency, UCLA Pediatric Dentistry Residency (2008)
- MS, UCLA Oral Biology
- Doctor of Dental Surgery, UCLA School of Dentistry (2004)
- Doctor of Dental Surgery, Seoul National Universtiy (2000)

LINKS

- www.draudreyyoon.com: www.draudreyyoon.com
- www.smilesbydryoon.com: www.smilesbydryoon.com

Publications

PUBLICATIONS

- **A Roadmap of Craniofacial Growth Modification for Children with Sleep Disordered Breathing: A Multidisciplinary Proposal.** *Sleep*
Yoon, A., Gozal, D., Kushida, C., Pelayo, R., Liu, S., Faldu, J., Hong, C.
2023
- **What changes in maxillary morphology from distraction osteogenesis maxillary expansion (DOME) correlate with subjective and objective OSA measures?** *Sleep & breathing = Schlaf & Atmung*
Yoon, A., Kim, T. K., Abdelwahab, M., Nguyen, M., Suh, H. Y., Park, J., Oh, H., Pirelli, P., Liu, S. Y.

2023

- **Impact of rapid palatal expansion on the size of adenoids and tonsils in children.** *Sleep medicine*
Yoon, A., Abdelwahab, M., Bockow, R., Vakili, A., Lovell, K., Chang, I., Ganguly, R., Liu, S. Y., Kushida, C., Hong, C.
2022; 92: 96-102
- **A Minimally Invasive Nasal Endoscopic Approach to Distraction Osteogenesis Maxillary Expansion to Restore Nasal Breathing for Adults with Narrow Maxilla.** *Facial plastic surgery & aesthetic medicine*
Liu, S. Y., Ibrahim, B., Abdelwahab, M., Chou, C., Capasso, R., Yoon, A.
2022
- **Determinants of Sleep-Disordered Breathing During the Mixed Dentition: Development of a Functional Airway Evaluation Screening Tool (FAIREST-6)** *PEDIATRIC DENTISTRY*
Oh, J. S., Zaghi, S., Peterson, C., Law, C. S., Silva, D., Yoon, A. J.
2021; 43 (4): 262-+
- **Assessment of posterior tongue mobility using lingual-palatal suction: Progress towards a functional definition of ankyloglossia** *JOURNAL OF ORAL REHABILITATION*
Zaghi, S., Shamtoob, S., Peterson, C., Christianson, L., Valcu-Pinkerton, S., Peeran, Z., Fung, B., Ng, D., Jagomagi, T., Archambault, N., O'Connor, B., Winslow, K., Lano, et al
2021; 48 (6): 692-700
- **Determinants of probable sleep bruxism in a pediatric mixed dentition population: a multivariate analysis of mouth vs. nasal breathing, tongue mobility, and tonsil size** *SLEEP MEDICINE*
Oh, J. S., Zaghi, S., Ghodousi, N., Peterson, C., Silva, D., Lavigne, G. J., Yoon, A. J.
2021; 77: 7-13
- **Impact of rapid palatal expansion on the internal nasal valve and obstructive nasal symptoms in children** *SLEEP AND BREATHING*
Yoon, A., Abdelwahab, M., Liu, S., Oh, J., Suh, H., Trieu, M., Kang, K., Silva, D.
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
- **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
- **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
- **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. n., Huon, L. K., Yoon, A. n.
2017; 157 (2): 345-48
- **Feasibility of Distraction Osteogenesis Maxillary Expansion (DOME) in patients with persistent nasal obstruction after septoplasty.** *International forum of allergy & rhinology*
Liu, S. Y., Yoon, A., Abdelwahab, M., Yu, M. S.
1800
- **Determinants of Sleep-Disordered Breathing During the Mixed Dentition: Development of a Functional Airway Evaluation Screening Tool (FAIREST-6).** *Pediatric dentistry*
Oh, J. S., Zaghi, S., Peterson, C., Law, C. S., Silva, D., Yoon, A. J.
2021; 43 (4): 262-272
- **Correcting Maxillary Molar Root Angulation with the Biocreative System.** *Journal of clinical orthodontics : JCO*
Yoon, A., Noh, M. K., Moon, H. W., Chung, K. R., Kim, S. H.

2020; 53 (10): 588-601

- **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): 489-496
- **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
- **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
- **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
- **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
- **Surgery in Adults** *CURRENT CONCEPTS OF SLEEP APNEA SURGERY*
Blumen, M., Sommer, U., Verse, T., Hamans, E., Liu, S., Guilleminault, C., Yoon, A., Verse, T., DeVries, N.
2019: 147-258
- **Ankyloglossia as a risk factor for maxillary hypoplasia and soft palate elongation: A functional - morphological study.** *Orthodontics & craniofacial research*
Yoon, A. J., Zaghi, S. n., Ha, S. n., Law, C. S., Guilleminault, C. n., Liu, S. Y.
2017; 20 (4): 237-44
- **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
- **Efficacy of Maxillomandibular Advancement Examined with Drug-Induced Sleep Endoscopy and Computational Fluid Dynamics Airflow Modeling** *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
- **Perinatal intermittent hypoxia alters gamma-aminobutyric acid: a receptor levels in rat cerebellum** *INTERNATIONAL JOURNAL OF DEVELOPMENTAL NEUROSCIENCE*
Pae, E., Yoon, A. J., Ahuja, B., Lau, G. W., Nguyen, D. D., Kim, Y., Harper, R. M.
2011; 29 (8): 819-826