

Stanford

HyeRan Choo

Clinical Assistant Professor, Surgery - Plastic & Reconstructive Surgery

CLINICAL OFFICES

- **LPCH Medicine Specialty Clinic**

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Bio

CLINICAL FOCUS

- Neonatal Cleft Lip and Palate - Non-surgical Nasal Alveolar Molding
- Neonatal Obstructive Sleep Apnea / Pierre Robin Sequence - Non-surgical Orthodontic Airway Plate
- Infant Orthodontics - Airway, Molding, and Feeding
- Surgical Orthodontics for Obstructive Sleep Apnea and Facial Reconstruction Surgery
- 3D Craniofacial Imaging and Airway Analysis
- Orthodontics

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Surgery - Plastic & Reconstructive Surgery
- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- National Dental Honor Society, Omicron-Kappa-Upsilon (2004)

PROFESSIONAL EDUCATION

- Dental Education: University of Pennsylvania Dental School and School of Education (5/17/2004) PA
- Residency: University of Alabama Birmingham School of Medicine (4/20/2007) AL
- Dental Education: Seoul National University (2/26/2002)
- Fellowship, Clinical Center, National Institutes of Health (NIH) / National Institute of Dental and Craniofacial Research (NIDCR) , Bethesda, MD (2008)
- Board Certification, American Board of Orthodontics (2008)
- Post-Graduate Residency & MS, Department of Orthodontics and Dentoalveolar Orthopedics, Masters in Science, University of Alabama in Birmingham , Birmingham, AL (2007)
- DMD, Graduate School of Dental Medicine, University of Pennsylvania , Philadelphia, PA (2004)
- DDS, Combined Undergraduate School of Natural Sciences & Graduate School of Dental Surgery, Seoul National University , Seoul, South Korea (2002)

Publications

PUBLICATIONS

- Use of C-Tube Microplates for Controlling the Vertical Dimension During Maxillary Incisor Intrusion. *Journal of clinical orthodontics* : JCO

- Noh, M. K., Seo, K. W., Choo, H., Chung, K. R., Kim, S. H.
2019; 53 (7): 414–25
- **The biocreative strategy. Part 4: Molar distalization in nonextraction treatment.** *Journal of clinical orthodontics : JCO*
Chung, K. R., Kim, Y., Choo, H., Kim, S. H., Nelson, G.
2018; 52 (9): 462–75
 - **Non-extraction correction of Class II malocclusion using Biocreative Therapy** *Skeletal Anchorage in Orthodontic Treatment of Class II Malocclusion*
Chung, K., Choo, H., Kim, S.
Mosby Elsevier.2014; 1: 239–243
 - **Modified Technique of Presurgical Infant Maxillary Orthopedics for Complete Bilateral Cleft Lip and Palate** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Choo, H., Maguire, M., Low, D. W.
2012; 129 (1): 244–48
 - **Modified Technique of Presurgical Infant Maxillary Orthopedics for Complete Unilateral Cleft Lip and Palate** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Choo, H., Maguire, M., Low, D. W.
2012; 129 (1): 249–52
 - **Treatment outcome analysis of speedy surgical orthodontics for adults with maxillary protrusion** *AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS*
Choo, H., Heo, H., Yoon, H., Chung, K., Kim, S.
2011; 140 (6): E251–E262
 - **The effects of different pilot-drilling methods on the mechanical stability of a mini-implant system at placement and removal: a preliminary study** *KOREAN JOURNAL OF ORTHODONTICS*
Cho, I., Choo, H., Kim, S., Shin, Y., Kim, D., Kim, S., Chung, K., Huang, J. C.
2011; 41 (5): 354–60
 - **Histologic assessment of the biological effects after speedy surgical orthodontics in a beagle animal model: a preliminary study** *KOREAN JOURNAL OF ORTHODONTICS*
Kim, H., Lee, Y., Park, Y., Chung, K., Kang, Y., Choo, H., Kim, S.
2011; 41 (5): 361–70
 - **Atypical orthodontic extraction pattern managed by differential en-masse retraction against a temporary skeletal anchorage device in the treatment of bimaxillary protrusion** *AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS*
Chung, K., Choo, H., Lee, J., Kim, S.
2011; 140 (3): 423–32
 - **Advanced Applications of Cone Beam Computed Tomography in Orthodontics** *Seminars in Orthodontics*
Mah, J. K., Liu, Y., Huang, J. C., Choo, H.
2011; 17 (1): 57-71
 - **Novel application of the 2-piece orthodontic C-implant for temporary crown restoration after orthodontic treatment.** *American journal of orthodontics and dentofacial orthopedics : official publication of the American Association of Orthodontists, its constituent societies, and the American Board of Orthodontics*
Jeong, D. M., Choi, B., Choo, H., Kim, J. H., Chung, K. R., Kim, S. H.
2011; 140 (4): 569–79
 - **Class III Correction Using Biocreative Therapy (C-Therapy)** *Seminars in Orthodontics*
Chung, K., Kim, S., Choo, H.
2011; 17 (2): 108-123
 - **Replacing a failed mini-implant with a miniplate to prevent interruption during orthodontic treatment.** *American journal of orthodontics and dentofacial orthopedics : official publication of the American Association of Orthodontists, its constituent societies, and the American Board of Orthodontics*
Lee, J. H., Choo, H., Kim, S. H., Chung, K. R., Giannuzzi, L. A., Ngan, P.
2011; 139 (6): 849–57
 - **Timely relocation of mini-implants for uninterrupted full-arch distalization** *AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS*

Chung, K., Choo, H., Kim, S., Ngan, P.
2010; 138 (6): 839–49

- **Practical applications of cone-beam computed tomography in orthodontics** *JOURNAL OF THE AMERICAN DENTAL ASSOCIATION*
Mah, J. K., Huang, J. C., Choo, H.
2010; 141 (10): 7S–13S
- **Distalization of the mandibular dentition with mini-implants to correct a Class III malocclusion with a midline deviation** *AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS*
Chung, K., Kim, S., Choo, H., Kook, Y., Cope, J. B.
2010; 137 (1): 135–46
- **Cone-beam computed tomography evaluation of orthodontic miniplate anchoring screws in the posterior maxilla.** *American journal of orthodontics and dentofacial orthopedics : official publication of the American Association of Orthodontists, its constituent societies, and the American Board of Orthodontics*
Kim, G. T., Kim, S. H., Choi, Y. S., Park, Y. J., Chung, K. R., Suk, K. E., Choo, H., Huang, J. C.
2009; 136 (5): 628.e1–10; discussion 628–29
- **Anterior torque control using partial-osseointegrated mini-implants: biocreative therapy type II technique.** *World journal of orthodontics*
Chung, K. R., Kim, S. H., Kook, Y. A., Choo, H.
2008; 9 (2): 105–13
- **Double-archwire mechanics using temporary anchorage devices to relocate ectopically impacted maxillary canines.** *World journal of orthodontics*
Kim, S. H., Choo, H., Hwang, Y. S., Chung, K. R.
2008; 9 (3): 255–66
- **Cone-beam computed tomography (CBCT) in clinical practice** *Pacific Coast Society of Orthodontists Bulletin*
Huang, J. C., Choo, H., Mah, J. K.
2008: 18-22