



A Systematic Review of the Effectiveness of Tongue Lip
Adhesion in Improving Airway Obstruction in Children
With Pierre Robin Sequence

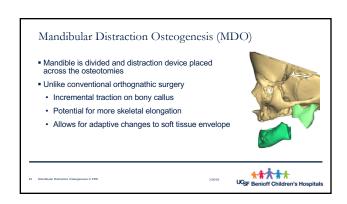
Alex Viezel-Mathieu, MD, BSc,\* Tyler Safran,¹ and Mirko S. Gilardino, MD, MSc\*
(J Craniofac Surg 2016;27: 1453–1456)

Retrospective review of 13 studies, 268 patients

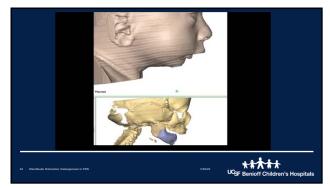
Relief of airway obstruction in 81.3%

Improved O2 sat or AHI
Avoidance of further airway intervention
Decannulation

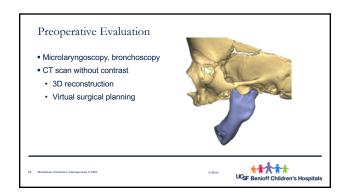
12.3% required revision procedure, almost all trach

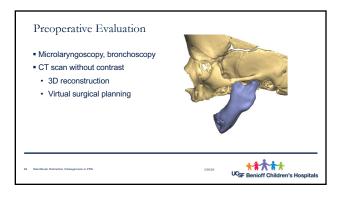


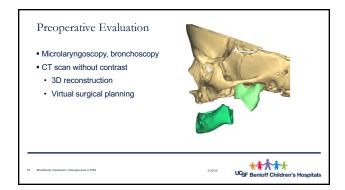






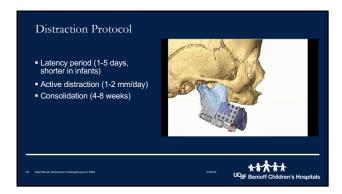








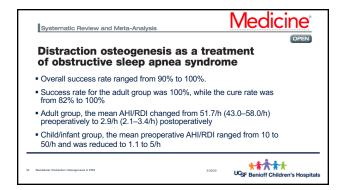


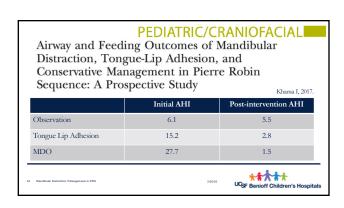


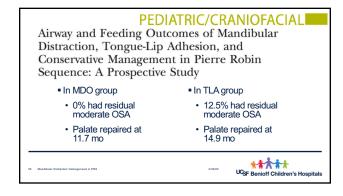


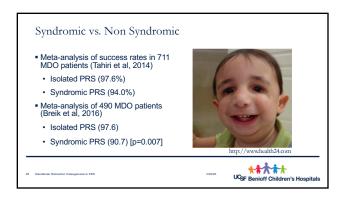




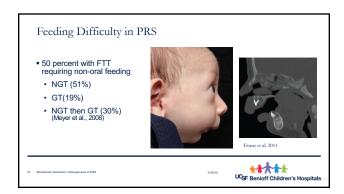


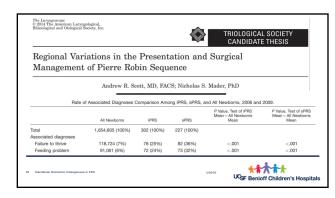


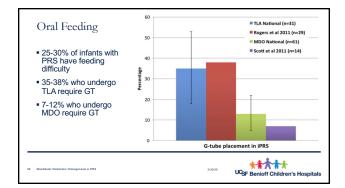


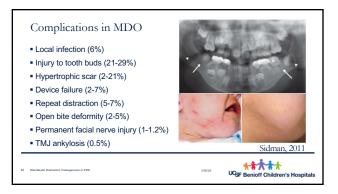


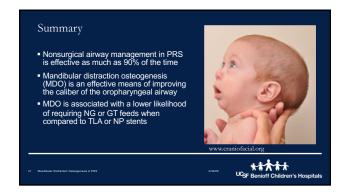
















## References Parhiziar N, Saltzman B, Grote K, et al. Nascophaynpoal airway for management of airway obstruction in infants with micrognathia. Cleft Palate Craniofac J. 2011 July48(4),478-82. Manouk JS, van Lieshout MJ, Mathijssen IM, et al. Non-surgical and surgical interventions for airway obstruction in children with Nobion Sequence. Originary and Service Surg. 2016 Dec.,44(12):1871-1879. Ren XC, Gao ZW, Li YF, et al. The effects of clinical factors on airway outcomes of mandibular distraction cateogenesis in children with Preierr Robin sequence. Int J Craft Massificas Surg. 2017 July46(7):805-510. Briel P, Triey D, Umapathyeivam K, et al. Mandibular distraction oeteogenesis for the management of upper airway obstruction in children with micrognathia: a systematic review. Int J Oral Massificas Surg. 2016 Jury.45(6):769-82. Ow AT, Cheung LK. Meta-Analysis of Mandibular Distraction Oeteogenesis: Clinical Applications and Functional Outcomes. Plast Recorned Surg. 2006 Mari. (21(5):34e-96e. Taul WK1, Yang Y, Cheung LK. et al. Distraction osteogenesis as a treatment of obstructive sleep apnea syndrome. A systematic review. Medicine (Baltimore). 2016 Sep;35(36):e4674. Evans KN, Sie KC, Hopper RA, et al. Robin sequence: from diagnosis to development of an effective management. plan. Pediatrics. 2011 May;127(5):936-48.

