

Treatment options in pediatric airway dental sleep medicine

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Abstract

The American Dental Association came out with a position paper recommending all dentists learn, screen and/or treat-refer out all patients suspected with airway issues and sleep breathing disorders. This includes the pediatric population. Dental sleep medicine training, however, is mostly absent or generally a 2-3 hour elective course in both dental and medical schools. For pediatric signs, symptoms, and treatment options, the gap in education is even worse.

Treating sleep breathing issues in patients begins with an interdisciplinary approach. Board certified sleep physicians must give the official diagnosis and polysomnography or other sleep testing (such as NOX3) must be obtained. Understanding that dentist have the ability to influence craniofacial growth and development with an array of options and treatment protocols is very important.

Proper growth, function, and thrive is important for children to grow with healthy immune system and exceptional quality of life. Myofunctional therapy, orthodontic appliances, chirodontics, physical therapy, and A-O and S-O-T (in some cases) should be given as options to children in need. Traditional orthodontic options and appliance options should also be weighed against other options to best fit the child's condition and need

Biography:

Dr. Jerry Hu is triple board certified in dental sleep medicine. He has traveled the world to lecture in dental sleep medicine, cosmetic and implant dentistry. He has numerous publications in peer reviewed journals, and he is also working on several new clinical research studies. He also has multiple IP's in dental sleep medicine and has created a start up company in Australia, O2&U. Over the recent COVID Pandemic, Dr. Hu has been asked to teach multiple webinars in dental sleep medicine, implant and cosmetic dentistry, as well as practice management.

Speaker Publications:

1. "Chondroitinase ABC Enhances Integration of Self-Assembled Articular Cartilage, but Its Dosage Needs to Be Moderated Based on Neocartilage Maturity"
2. "Athanasίου K. Shear stress induced by fluid flow produces improvements in tissue-engineered cartilage. Biofabrication"
3. "Toward Tissue-engineering of Nasal Cartilages. Acta Biomaterialia"

[International Conference on Orthodontics](#): Webinar, September 25-26, 2020.

Abstract Citation:

Dr. Jerry Hu, Treatment options in Pediatric Airway Dental Sleep Medicine, orthodontics meet 2020, International Conference on Orthodontics: Webinar, September 25-26, 2020.

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