

25th World Congress on **Dentistry and Oral Health**

March 14-15, 2019 | London, UK

Evaluation of hearing in children treated with palatal expansion**Hala Aoun**

Lebanese University School of Dentistry, Lebanon

The aim of this presentation is to explore the potential association between rapid palatal expansion RPE and decrease in conductive hearing loss. RPE is a common orthopedic treatment for maxillary constriction and or lateral crossbite. This procedure may result in unexpected improvement of nasal breathing and improvement in nasal sensitivity. The underlying mechanism for the latter would consist of the extension of the tensor veli Palatine muscle following the palatal distraction, which opens the Eustachian tube orifice and facilitates air passage, allowing normal function of the middle ear system. Clear cut conclusions are not yet formulated on whether the improvement in hearing is transient or permanent. A thorough review of the literature with methodological shortcomings and design of future studies are reported.

Recent Publications

1. Kilic A, Oktay H, Selimoglu E, Erdem A. Effects of semi rapid maxillary expansion on conductive hearing loss. Am J Orthod Dentofacial Orthop 2008; 133:846-51.
2. Taspinar F, Ucuncu H, Bishara S. Rapid maxillary expansion and conductive hearing loss. Angle Orthod 2003; 73:669-73.
3. Ceylan I, Oktay H, Demirci M. The effect of rapid maxillary expansion on conductive hearing loss. Angle Orthod 1996; 66:301-08.
4. Villano A, Grampia B, Fiorentini R, Gandi P. Correlations between rapid maxillary expansion RME and the auditory apparatus. Angle Orthod 2006; 76:752-58.

Biography

Hala Aoun is an orthodontist that studied dentistry and graduated in 2005 as a dental surgeon from the Lebanese University, school of dentistry. Then studied for three full time program at American university of Beirut and at the Lebanese University and graduated in 2010 with a diploma in orthodontics and dentofacial orthopedics. For the past nine years, Dr Hala Aoun has been running her own private dental clinic where she is practicing all types of orthodontic treatments using fixed and removable appliances and clear aligned as well. She aims to proceed with her research idea and to run new studies and gain more acknowledgments.

drhalaoun83@gmail.com

Notes: