

PROPEL: Die vierte Ordnung der Kieferorthopädie

Ein Beitrag von Dr. Jonathan L. Nicozisis, Kieferorthopäde aus Princeton/ NJ, USA.

References

- 1) Linge L. Tissue reactions in facial sutures subsequent to external mechanical influences. Monograph #6, Craniofacial growth series, Center for human growth and development, Univ. of Michigan, 1976.
Nicozisis JL, Nah-Cederquist HD, Tuncay OC. Relaxin affects the dentofacial sutural tissues. *Clin Orthod Res.* 2000;
- 2) Davidovitch Z, Nicolay OF, Ngan PW, Shanfeld JL. Neurotransmitters, cytokines, and the control of alveolar bone remodeling in orthodontics. *Dent Clin North Am.* 1988; 32(3):411-35.
- 3) Davidovitch Z, Finkelson MD, Steigman S, Shanfeld JL, Montgomery PC, Korostoff E. Electric currents, bone remodeling, and orthodontic tooth movement. II. Increase in rate of tooth movement and periodontal cyclic nucleotide levels by combined force and electric current. *Am J Orthod.* 1980; 77(1):33-47
- 4) Wilcko WM, Wilcko T, Bouquot JE, Ferguson DJ. Rapid orthodontics with alveolar reshaping: two case reports of decrowding. *Int J Periodontics Restorative Dent.* 2001; 21(1):9-19
- 5) Kopher, Ross A., and Jeremy J. Mao. "Suture growth modulated by the oscillatory component of micromechanical strain." *Journal of Bone and Mineral Research* 18.3 (2003): 521-28.
- 6) Nishimura, Makoto, Mirei Chiba, Toshiro Ohashi, Masaaki Sato, Yoshiyuki Shimizu, Kaoru Igarashi, and Hideo Mitani. "Periodontal tissue activation by vibration: Intermittent stimulation by resonance vibration accelerates experimental tooth movement in rats." *American Journal of Orthodontics and Dentofacial Orthopedics* 133.4 (2008): 572-83.
- 7) Teixeira CC, Khoo E, Tran J, Chartres I, Liu Y, Thant LM, et al. Cytokine expression and accelerated tooth movement. *J Dent Res* 2010;89:1135-41
- 8) Mani Alikhani,^a Markos Raptis,^b Billie Zoldan,^c Chinapa Sangsuwon,^d Yoo B. Lee,^e Bandar Alyami,^f Corey Corpodian,^g Luz M. Barrera,^h Sarah Alansari,ⁱ Edmund Khoo,^j and Cristina Teixeirak. Effect of micro-osteoperforations on the rate of tooth movement. *AJODO* 2013; Vol. 44 (5) pp 639-648