

Ausgabe: KN 1/2-2019, S. 6ff.

Thema: Beschleunigte kieferorthopädische Zahnbewegung: Was funktioniert heutzutage wirklich?

Autoren: Prof. Dr. Bhavna Shroff

Literatur

1. Fink DF, Smith RJ. The duration of Orthodontic treatment. *Am J Orthod Dentofac Orthop.* 1992;102(1):45-51.
2. Fisher MA, Wenger RM, Hans MG. Pretreatment characteristics associated with orthodontic treatment duration. *Am J Orthod Dentofac Orthop.* 137(2):178-186. doi:10.1016/j.ajodo.2008.09.028
3. Tsihlaki A, Chin Y, Pandis N, Fleming PS. How long does treatment with fixed orthodontic. *Am J Orthod Dentofac Orthop.* 149(3):308-318. doi:10.1016/j.ajodo.2015.09.020
4. Wilcko MT, Wilcko WM, Bouquot JE. Accelerated Osteogenic Orthodontics Technique : A 1-Stage Surgically Facilitated Rapid Orthodontic Technique With Alveolar Augmentation. *YJOMS.* 2009;67(10):2149-2159. doi:10.1016/j.joms.2009.04.095
5. Uribe F, Padala S, Allareddy V, Nanda R. Patients', parents', and orthodontists' perceptions of the need for and costs of additional procedures to reduce treatment time. *Am J Orthod Dentofac Orthop.* 145(4):S65-S73. doi:10.1016/j.ajodo.2013.12.015
6. Ujaoney S, Shroff B, Carrico C, Lindauer SJ. Current preferences in accelerated orthodontic tooth movement techniques in orthodontics. *Va Dent J.* 2016;93(4):12-15.
7. Huang H, Williams RC, Kyrkanides S. Accelerated orthodontic tooth movement: Molecular mechanisms. *Am J Orthod Dentofac Orthop.* 2014;146(5):620-632. doi:10.1016/j.ajodo.2014.07.007
8. Long H, Pyakurel U, Wang Y, Liao L, Zhou Y, Lai W. Interventions for accelerating orthodontic tooth movement A systematic review. *Angle Orthod.* 2013;83(1):164-171. doi:10.2319/031512-224.1
9. Hoogeveen EJ, Jansma J, Ren Y. Surgically facilitated orthodontic treatment: A systematic review. *Am J Orthod Dentofac Orthop.* 2014;145(4 SUPPL.):S51-S64. doi:10.1016/j.ajodo.2013.11.019
10. Uribe F, Davoody L, Mehr R, et al. Efficiency of piezotome-corticision assisted orthodontics in alleviating mandibular anterior crowding — a randomized clinical trial. 2017;(March):595-600. doi:10.1093/ejo/cjw091
11. Librizzi Z, Kalajzic Z, Camacho D, Yadav S, Nanda R, Uribe F. Comparison of the effects of three surgical techniques on the rate of orthodontic tooth movement in a rat model. *Angle Orthod.* 2017;87(December 2016):1-8. doi:10.2319/123016-940.1
12. Charavet C, Lecloux G, Bruwier A, et al. Localized Piezoelectric Alveolar Decortication for Orthodontic Treatment in Adults: A Randomized Controlled Trial. *J Dent Res.* 2016;95(9):1003-1009. doi:10.1177/0022034516645066
13. Yi J, Xiao J, Li Y, Li X, Zhao Z. Efficacy of piezocision on accelerating orthodontic tooth movement: A systematic review. *Angle Orthod.* 2017;87(4):491-498. doi:10.2319/01191-751.1

14. Alikhani M, Raptis M, Zoldan B, et al. Effect of micro-osteoperforations on the rate of tooth movement. *Am J Orthod Dentofac Orthop.* 2013;144(5):639-648. doi:10.1016/j.ajodo.2013.06.017
15. Moaffak M, Hasan A, Sultan K, Hamadah O. Low-level laser therapy effectiveness in accelerating orthodontic tooth movement: A randomized controlled clinical trial. *Angle Orthod.* 2017;87(4):499-504. doi:10.2319/062716-503.1
16. Gkantidis N, Mistakidis I, Kouskoura T, Pandis N. Effectiveness of non-conventional methods for accelerated orthodontic tooth movement: A systematic review and meta-analysis. *J Dent.* 2014;42(10):1300-1319. doi:10.1016/j.jdent.2014.07.013
17. Alfawal AMH, Hajeer MY, Ajaj MA, Hamadah O, Brad B. Effectiveness of minimally invasive surgical procedures in the acceleration of tooth movement: a systematic review and meta-analysis. *Prog Orthod.* 2016;17(1):33. doi:10.1186/s40510-016-0146-9
18. Jing D, Xiao J, Li X, Li Y, Zhao Z. The effectiveness of vibrational stimulus to accelerate orthodontic tooth movement : a systematic review. 2017:1-9. doi:10.1186/s12903-017-0437-7
19. Woodhouse NR, DiBiase A., Johnson N, et al. Supplemental Vibrational Force During Orthodontic Alignment : A Randomized Trial. *J Dent Res.* 2015;94(5):682-689. doi:10.1177/0022034515576195
20. DiBiase AT, Woodhouse NR, Papageorgiou SN, et al. Effects of supplemental vibrational force on space closure, treatment duration, and occlusal outcome: A multicenter randomized clinical trial. *Am J Orthod Dentofac Orthop.* 2018;153(4):469-480.e4. doi:10.1016/j.ajodo.2017.10.021