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Thema: Virtuelle Bracketpositionierung – ein Zukunftskonzept für jede KFO-Praxis?

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Literatur

1. Oliveira NSd, Gribel BF, Neves LS, Lages EMB, Macari S, Pretti H. Comparison of the accuracy of virtual and direct bonding of orthodontic accessories. *Dental Press J Orthod* 2019; 24(4):46–53. doi: 10.1590/2177-6709.24.4.046-053.oar.
2. McLaughlin RP, Bennett JC. Evolution of treatment mechanics and contemporary appliance design in orthodontics: A 40-year perspective. *Am J Orthod Dentofacial Orthop* 2015; 147(6):654–62. doi: 10.1016/j.ajodo.2015.03.012.
3. Oliveira NS de, Rossouw E, Lages EMB, Macari S, Pretti H. Influence of clinical experience on accuracy of virtual orthodontic attachment bonding in comparison with the direct procedure. *Angle Orthod* 2019; 89(5):734–41. doi: 10.2319/100618-724.1.
4. Silverman E, Cohen M, Gianelly AA, Dietz VS. A universal direct bonding system for both metal and plastic brackets. *American Journal of Orthodontics* 1972; 62(3):236–44. doi: 10.1016/S0002-9416(72)90264-3.
5. Deahl ST, Salome N, Hatch JP, Rugh JD. Practice-based comparison of direct and indirect bonding. *Am J Orthod Dentofacial Orthop* 2007; 132(6):738–42. doi: 10.1016/j.ajodo.2006.01.037.
6. Li Y, Mei L, Wei J, Yan X, Zhang X, Zheng W et al. Effectiveness, efficiency and adverse effects of using direct or indirect bonding technique in orthodontic patients: a systematic review and meta-analysis. *BMC Oral Health* 2019; 19(1):137. doi: 10.1186/s12903-019-0831-4.
7. Thiagarajah S, Spary DJ, Rock WP. A clinical comparison of bracket bond failures in association with direct and indirect bonding. *J Orthod* 2006; 33(3):198–204. doi: 10.1179/146531205225021615.
8. Anna Menini, Mauro Cozzani, Maria Francesca Sfondrini, Andrea Scribante, Paolo Cozzani, Paola Gandini. A 15-month evaluation of bond failures of orthodontic brackets bonded with direct versus indirect bonding technique: a clinical trial.
9. Demirovic K, Slaj M, Spalj S, Slaj M, Kobaslija S. Comparison of Shear Bond Strength of Orthodontic Brackets Using Direct and Indirect Bonding Methods in Vitro and in Vivo. *Acta Inform Med* 2018; 26(2):125–9. doi: 10.5455/aim.2018.26.125-129.
10. Wendl B, Droschl H, Muchitsch P. Indirect bonding--a new transfer method. *Eur J Orthod* 2008; 30(1):100–7. doi: 10.1093/ejo/cjm094.

11. Aggarwal P, Aggarwal R. Indirect Bonding Procedures in Orthodontics - A Review. J Dents Dent Med 2018; 1(4). doi: 10.31021/jddm.20181120.
12. Kronenberg O. Virtuelle Umsetzung des indirekten Klebens: Ein Erfahrungsbericht von Dr. Otmar Kronenberg. In: KN Kieferorthopädie Nachrichten. S. 9–11 [Stand: 04.02.2019]. Verfügbar unter: <https://www.zwp-online.info/fachgebiete/kieferorthopaedie/multibandtechnik/virtuelles-bracketkleben>.
13. Jheon AH, Oberoi S, Solem RC, Kapila S. Moving towards precision orthodontics: An evolving paradigm shift in the planning and delivery of customized orthodontic therapy. Orthodontics & craniofacial research 2017; 20 Suppl 1. Verfügbar unter: <https://pubmed.ncbi.nlm.nih.gov/28643930/>.
14. Armstrong D, Shen G, Petocz P, Darendeliler MA. Accuracy of bracket placement by orthodontists and inexperienced dental students. Aust Orthod J 2007; 23(2):96–103.
15. Hodge TM, Dhopatkar AA, Rock WP, Spary DJ. A randomized clinical trial comparing the accuracy of direct versus indirect bracket placement. J Orthod 2004; 31(2):132–7. doi: 10.1179/146531204225020427.