

Literaturliste

Laser im Vergleich mit Bohrer und Dentin-Bonding

DDr. Barbara Cviki, Mag., Dr. Alexander Franz, Dr. Christoph Kurzmann, DDr. Andreas Moritz

Laser Journal 4/2013

1. Hossain M, Nakamura Y, Tamaki Y, Yamada Y, Murakami Y, Matsumoto K. Atomic analysis and knoop hardness measurement of the cavity floor prepared by Er,Cr:YSGG laser irradiation in vitro. *J Oral Rehabil.* 2003;30(5):515-21. Epub 2003/05/20.
2. Delme K, Meire M, De Bruyne M, Nammour S, De Moor R. [Cavity preparation using an Er:YAG laser in the adult dentition]. *Rev Belge Med Dent.* 2009;64(2):71-80. Epub 2009/08/18. La preparation de cavites a l'aide du laser Er:YAG dans la denture adulte.
3. Kinoshita J, Kimura Y, Matsumoto K. Comparative study of carious dentin removal by Er,Cr:YSGG laser and Carisolv. *J Clin Laser Med Surg.* 2003;21(5):307-15. Epub 2003/12/04.
4. Matsumoto K, Hossain M, Hossain MM, Kawano H, Kimura Y. Clinical assessment of Er,Cr:YSGG laser application for cavity preparation. *J Clin Laser Med Surg.* 2002;20(1):17-21. Epub 2002/03/22.
5. Visuri SR, Walsh JT, Jr., Wigdor HA. Erbium laser ablation of dental hard tissue: effect of water cooling. *Lasers Surg Med.* 1996;18(3):294-300. Epub 1996/01/01.
6. Moritz A. *Oral Laser Application.* Vienna: Quintessence Publishing 2006.
7. Rizou I, Kohanghadash F, Kimmel AI, Eversole LR. Pulpal thermal responses to an erbium,chromium: YSGG pulsed laser hydrokinetic system. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod.* 1998;86(2):220-3. Epub 1998/08/28.
8. Eversole LR, Rizou I, Kimmel AI. Pulpal response to cavity preparation by an erbium, chromium:YSGG laser-powered hydrokinetic system. *J Am Dent Assoc.* 1997;128(8):1099-106. Epub 1997/08/01.
9. Zach L, Cohen G. Pulp Response to Externally Applied Heat. *Oral Surg Oral Med Oral Pathol.* 1965;19:515-30. Epub 1965/04/01.
10. Niu W, Eto JN, Kimura Y, Takeda FH, Matsumoto K. A study on microleakage after resin filling of Class V cavities prepared by Er:YAG laser. *J Clin Laser Med Surg.* 1998;16(4):227-31. Epub 1998/10/31.
11. Visuri SR, Gilbert JL, Wright DD, Wigdor HA, Walsh JT, Jr. Shear strength of composite bonded to Er:YAG laser-prepared dentin. *J Dent Res.* 1996;75(1):599-605. Epub 1996/01/01.
12. Gonzalez Bahillo J, Ruiz Pinon M, Rodriguez Nogueira J, Martin Biedma B, Varela Patino P, Magan Munoz F, et al. A comparative study of microleakage through enamel and cementum after laser Er:YAG instrumentation in class V cavity obturations, using scanning electron microscopy. *J Clin Laser Med Surg.* 2002;20(4):197-201. Epub 2002/09/11.
13. Lee BS, Lin PY, Chen MH, Hsieh TT, Lin CP, Lai JY, et al. Tensile bond strength of Er,Cr:YSGG laser-irradiated human dentin and analysis of dentin-resin interface. *Dent Mater.* 2007;23(5):570-8. Epub 2006/07/06.
14. Giachetti L, Scaminaci Russo D, Scarpelli F, Vitale M. SEM analysis of dentin treated with the Er:YAG laser: a pilot study of the consequences resulting from laser use on adhesion mechanisms. *J Clin Laser Med Surg.* 2004;22(1):35-41. Epub 2004/05/01.
15. Eguro T, Maeda T, Otsuki M, Nishimura Y, Katsuumi I, Tanaka H. Adhesion of Er:YAG laser-irradiated dentin and composite resins: application of various treatments on irradiated surface. *Lasers Surg Med.* 2002;30(4):267-72. Epub 2002/04/12.
16. Pospiech P. All-ceramic crowns: bonding or cementing? *Clin Oral Investig.* 2002;6(4):189-97. Epub 2002/12/17.
17. Martinez-Insua A, Da Silva Dominguez L, Rivera FG, Santana-Penin UA. Differences in bonding to acid-etched or Er:YAG-laser-treated enamel and dentin surfaces. *J Prosthet Dent.* 2000;84(3):280-8. Epub 2000/09/27.
18. Dunn WJ, Davis JT, Bush AC. Shear bond strength and SEM evaluation of composite bonded to Er:YAG laser-prepared dentin and enamel. *Dent Mater.* 2005;21(7):616-24. Epub 2005/06/28.
19. Monghini EM, Wanderley RL, Pecora JD, Palma Dibb RG, Corona SA, Borsatto MC. Bond strength to dentin of primary teeth irradiated with varying Er:YAG laser energies and SEM examination of the surface morphology. *Lasers Surg Med.* 2004;34(3):254-9. Epub 2004/03/17.
20. Abo-Hamar SE, Hiller KA, Jung H, Federlin M, Friedl KH, Schmalz G. Bond strength of a new universal self-adhesive resin luting cement to dentin and enamel. *Clin Oral Investig.* 2005;9(3):161-7. Epub 2005/04/28.
21. Ceballo L, Toledano M, Osorio R, Tay FR, Marshall GW. Bonding to Er-YAG-laser-treated dentin. *J Dent Res.* 2002;81(2):119-22. Epub 2002/02/06.

22. Cardoso MV, Delme KI, Mine A, Neves Ade A, Coutinho E, De Moor RJ, et al. Towards a better understanding of the adhesion mechanism of resin-modified glass-ionomers by bonding to differently prepared dentin. *J Dent.* 2010;38(11):921-9. Epub 2010/08/24.
23. Korkmaz Y, Ozel E, Attar N, Ozge Bicer C. Influence of different conditioning methods on the shear bond strength of novel light-curing nano-ionomer restorative to enamel and dentin. *Lasers Med Sci.* 2009. Epub 2009/08/19.
24. Torres CP, Gomes-Silva JM, Borsatto MC, Barroso JM, Pecora JD, Palma-Dibb RG. Shear bond strength of self-etching and total-etch adhesive systems to Er:YAG laser-irradiated primary dentin. *J Dent Child (Chic).* 2009;76(1):67-73. Epub 2009/04/04.
25. Frankenberger R, Kramer N, Petschelt A. Technique sensitivity of dentin bonding: effect of application mistakes on bond strength and marginal adaptation. *Oper Dent.* 2000;25(4):324-30. Epub 2001/02/24.
26. Sano H, Shono T, Sonoda H, Takatsu T, Ciucchi B, Carvalho R, et al. Relationship between surface area for adhesion and tensile bond strength--evaluation of a micro-tensile bond test. *Dent Mater.* 1994;10(4):236-40. Epub 1994/07/01.
27. Lee JJ, Nettey-Marbell A, Cook A, Jr., Pimenta LA, Leonard R, Ritter AV. Using extracted teeth for research: the effect of storage medium and sterilization on dentin bond strengths. *J Am Dent Assoc.* 2007;138(12):1599-603. Epub 2007/12/07.
28. Retief DH, Wendt SL, Bradley EL, Denys FR. The effect of storage media and duration of storage of extracted teeth on the shear bond strength of Scotchbond 2/Silux to dentin. *Am J Dent.* 1989;2(5):269-73. Epub 1989/10/01.