ZMK (28)12 2012, S. 836–840

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Klinischer Vergleich von Gluma- und ER:YAG-Laser-Behandlung von überempfindlichen Zähnen

[1] Ad Hoc Advisory Committee on Dentinal Hypersensitivity, Council on Dental Therapeutics: Recommendations for evaluating agents for the reduction of dentin hypersensitivity. JADA 112, 709–710 (1986).
[2] Addy M: Dentin hypersensitivity: definition, prevalence, distribution aetiology. In: Addy M: Tooth Wear and Sensitivity Clinical Advances in Restorative Dentistry. M. Dunitz, London 2000, 239–248.
[3] Aoki A, Ando Y, Watanabe H, Ishikawa I: In vitro studies on laser scaling of subgingival calculus with an erbium:YAG laser. J Periodontol 65, 1097–1106 (1994).
[4] Baysan A, Lynch E: Treatment of cervical sensitivity with a root sealant. Am J Dent 16, 135–138 (2003).
[5] Brännström M: Sensitivity of dentine. Oral Surg Oral Med Oral Pathol 21, 517–526 (1966).
[6] Brännström M: The hydrodynamic theory of dentinal pain: sensation in preparations, caries, and the dentinal crack syndrome. J Endod 12, 453–457 (1986).
[7] Canadian Advisory Board on Dentin Hypersensitivity: Consensus-based recommendations for the diagnosis and management of dentin hypersensitivity. J Can Dent Assoc 69, 221–226 (2003).
[8] Cummins D: Recent advances in dentin hypersensitivity: Clinically proven treatments for instant and lasting sensitivity relief. Am J Dent 23, 3A–13A (2010).
[9] Dilsiz A, Aydin T, Canakci V, Gungormus M: Clinical evaluation of Er:YAG, Nd:YAG, and diode laser therapy for desensitization of teeth with gingival recession. Photomed Laser Surg 28, S11–S17 (2010).
[10] Dilsiz A, Aydin T, Emrem G: Effects of the combined desensitizing dentifrice and diode laser therapy in the treatment of desensitization of teeth with gingival recession. Photomed Laser Surg 28, S69–S74 (2010).
[11] Dondi dall'Orologio G, Lorenzi R, Anselmi M, Opisso V: Dentin desensitizing effects of Gluma Alternate, Health-Dent Desensitizer and Scotchbond Multi-Purpose. Am J Dent 12, 103–106 (1999).
[12] Dowell P, Addy M: Dentine-hypersensitivity. A review, etiology, symptoms and theories of pain production. J Clin Periodontol 10, 341–350 (1983).
[13] Duran I, Sengun A: The long-term effectiveness five current desensitizing products on cervical dentin hypersensitivity. J Oral Rehabil 31, 251–356 (2004).
[14] Eitner S, Bittner C, Wichmann M, Nickenig HJ, Sokol B: Comparison of conventional therapies for dentin hypersensitivity versus medical hypnosis. Int J Clin Exp Hypn 58, 457–475 (2010).
[15] Erdemir U, Yildiz E, Kilic I, Yucel T, Ozel S: The efficacy of three desensitizing agents used to treat dentin hypersensitivity. JADA 141, 285–296 (2010).
[16] Gillam DG, Newman HN, Davies EH, Bulman JS, Troullos ES, Curro FA: Clinical evaluation of ferric oxalate in relieving dentine hypersensitivity. J Oral Rehabil 31, 245–250 (2004).
[17] Guentsch A, Seidler K, Nietzsche S, Hefti AF, Preshaw PM, Watts DC, Jandt KD, Sigusch BW: Biomimetic mineralization: Long-term observations in patients with dentin sensitivity. Dent Mater 28, 487–464 (2012).
[18] Holland GR, Narhi MN, Addy M, Gangarosa L, Orchardson R: Guidelines for the design and conduct of clinical trials on dentine hypersensitivity. J Clin Periodontol 24, 808–813 (1997).

[19] Jalali Y, Lindh L: A randomized prospective clinical evaluation of two desensitizing agents on cervical dentine sensitivity. A pilot study. Swed Dent J 34, 79–86 (2010).
[20] Kakaboura A, Rahiotis C, Thomaidis S, Doukoudakis S: Clinical effectiveness of two agents on the treatment of tooth cervical hypersensitivity. Am J Dent 18, 291–295 (2005).
[21] Kleinberg I, SensiStat: A new saliva-based composition for simple and effective treatment of dentinal sensitivity pain. Dent Today 21, 42–47 (2002).
[22] Midda M: The use of lasers in periodontology. Curr Opin Dent 2, 104–108 (1992).
[23] Morris MF, Davis RD, Richardson BW: Clinical efficacy of two dentin desensitizing agents. Am J Dent 12, 72–76 (1999).
[24] Pamir T, Dalgar H, Onal B: Clinical evaluation of three desensitizing agents in relieving dentin hypersensitivity. Oper Dent 32, 544–548 (2007).
[25] Pearce NX, Addy M, Newcombe RG: Dentine hypersensitivity: a clinical trial to compare 2 strontium desensitizing toothpastes with a conventional fluoride toothpaste. J Clin Periodontol 65, 113–119 (1994).
[26] Que K, Fu Y, Lin L, Hu D, Zhang YP, Panagakos FS, DeVizio W, Mateo LR: Dentin hypersensitivity reduction of a new toothpaste containing 8.0 % arginine and 1450 ppm fluoride: An 8-week clinical study on Chinese adults. Am J Dent 23, 28A–35A (2010).
[27] Ritter AV, Dias Walter d L, Miguez P, Caplan D J, Swift EJ Jr: Treating cervical dentin hypersensitivity with fluoride varnish: a randomized clinical study. JADA 137, 1013–1020 (2006).
[28] Schwarz F, Arweiler N, Georg T, Reich E: Desensitizing effects of an Er:YAG laser on hypersensitive dentine. J Clin Periodontol 29, 211–215 (2002).
[29] Swift EJ Jr: Ask the experts: Resin desensitizers. J Esthet Dent 11, 289–290 (1999).
[30] Trash WJ, Jones DL, Dodds WJ: Effect of a fluoride solution on dentinal hypersensitivity. Am J Dent 5, 299–302 (1992).
[31] Yin W, Li X, He S, Ma H, Hu D, Zhang YP, Delgado E, DeVizio W, Mateo LR: Extrinsic stain removal efficacy of a new desensitizing dentifrice containing 8.0 % arginine, calcium carbonate and 1450 ppm fluoride. Am J Dent 23, 36A–40A (2010).
[32] Yu X, Liang B, Jin X, Fu B, Hannig M: Comparative in vivo study on the desensitizing efficacy of dentin desensitizers and one-bottle self-etching adhesives. Oper Dent 35, 279–286 (2010).
[33] Zantner C, Popescu O, Martus P, Kielbassa AM: Randomized clinical study on the efficacy of a new lacquer for dentine hypersensitivity. Schweiz Monatsschr Zahnmed 116, 1232–1237 (2006).