

### Die korrekte Vorbehandlung indirekter Restaurationen zur adhäsiven Befestigung

- [1] [Aboushelib MN, Sleem D](#): Microtensile bond strength of lithium disilicate ceramics to resin adhesives. J Adhes Dent 16, 547–552 (2014).
- [2] [Bavbek NC, Roulet JF, Ozcan M](#): Evaluation of microshear bond strength of orthodontic resin cement to monolithic zirconium oxide as a function of surface conditioning method. J Adhes Dent 16, 473–480 (2014).
- [3] Böhner R: Moderne CAD/CAM-Kompositmaterialien – deren Materialeigenschaften und Befestigungsstrategien. ZMK 32, 112–118 (2016).
- [4] [Bock T, Özcan M](#): Protocol for removal of clinically relevant contaminants from glass ceramic-based restorations. J Adhes Dent 17, 474–475 (2015).
- [5] [Bottino MA, Snellaert A, Bergoli CD, Özcan M, Bottino MC, Valandro LF](#): Effect of ceramic etching protocols on resin bond strength to a feldspar ceramic. Oper Dent 40, 40–46 (2015).
- [6] [Bömicke W, Schürz A, Krisam J, Rammelsberg P, Rues S](#): Durability of resin-zirconia bonds produced using methods available in dental practice. J Adhes Dent 18, 17–27 (2016).
- [7] [Frankenberger R, Hartmann VE, Krech M, Krämer N, Reich S, Braun A, Roggendorf M](#): Adhesive luting of new CAD/CAM materials. Int J Comput Dent 18, 9–20 (2015).
- [8] [Elsaka SE](#): Bond strength of novel CAD/CAM restorative materials to self-adhesive resin cement: the effect of surface treatments. J Adhes Dent 16, 531–540 (2014).
- [9] Erdemir U, Sancaklı HS, Sancaklı E, Eren MM, Ozel S, Yucel T, Yıldız E: [Shear bond strength of a new self-adhering flowable composite resin for lithium disilicate-reinforced CAD/CAM ceramic material](#). J Adv Prosthodont 6, 434–443 (2014).
- [10] Ernst CP: Innovatives Konzept zur adhäsiven Befestigung am Beispiel zweier IPS e.max-Kronen. ZMK 31, 833–839 (2015).
- [11] Ernst CP: Glaskeramik vorbehandeln ohne Flusssäure? Dental Magazin 34, 86–90 (2016).
- [12] [Fraga S, Valandro LF, Bottino MA, May LG](#): Hard machining, glaze firing and hydrofluoric acid etching: Do these procedures affect the flexural strength of a leucite glass-ceramic? Dent Mater 31, 131–140 (2015).
- [13] Frankenberger R, Hartmann VE, Krech M, Krämer N, Reich S, Braun A, Roggendorf M: Adhesive luting of new CAD/CAM materials. Int J Comput Dent 18, 9–20 (2015).
- [14] [Giraldo TC, Villada VR, Castillo MP, Gomes OM, Bittencourt BF, Dominguez JA](#): Active and passive application of the phosphoric acid on the bond strength of lithium disilicate. Braz Dent J 27, 90–94 (2016).
- [15] [Guarda GB, Correr AB, Gonçalves LS, Costa AR, Borges GA, Sinhoreti MA, Correr-Sobrinho L](#): Effects of surface treatments, thermocycling, and cyclic loading on the bond strength of a resin cement bonded to a lithium disilicate glass ceramic. Oper Dent 38, 208–217 (2013).
- [16] [Higashi M, Matsumoto M, Kawaguchi A, Miura J, Minamino T, Kabetani T, Takeshige F, Mine A, Yatani H](#): Bonding effectiveness of self-adhesive and conventional-type adhesive resin cements to CAD/CAM resin blocks. Part 1: Effects of sandblasting and silanization. Dent Mater J 35, 21–28 (2016).
- [17] [Ishii R, Tsujimoto A, Takamizawa T, Tsubota K, Suzuki T, Shimamura Y, Miyazaki M](#): Influence of surface treatment of contaminated zirconia on surface free energy and resin cement bonding. Dent Mater J 34, 91–97 (2015).
- [18] [Inokoshi M, De Munck J, Minakuchi S, Van Meerbeek B](#): Meta-analysis of bonding effectiveness to zirconia ceramics. J Dent Res 93, 329–334 (2014).
- [19] Inokoshi M, Van Meerbeek B: [Adhesively luted zirconia restorations: why and how?](#) J Adhes Dent 16, 294 (2014).

- [20] [Inokoshi M](#), [Poitevin A](#), [De Munck J](#), [Minakuchi S](#), [Van Meerbeek B](#): Bonding effectiveness to different chemically pre-treated dental zirconia. *Clin Oral Investig* 18, 1803–1812 (2014).
- [21] [Kalavacharla VK](#), [Lawson NC](#), [Ramp LC](#), [Burgess JO](#): Influence of etching protocol and silane treatment with a universal adhesive on lithium disilicate bond strength. *Oper Dent* 40, 372–378 (2015).
- [22] [Kawauchi A](#), [Matsumoto M](#), [Higashi M](#), [Miura J](#), [Minamino T](#), [Kabetani T](#), [Takeshige F](#), [Mine A](#), [Yatani H](#): Bonding effectiveness of self-adhesive and conventional-type adhesive resin cements to CAD/CAM resin blocks. Part 2: Effect of ultrasonic and acid cleaning. *Dent Mater J* 35, 29–36 (2016).
- [23] [Kim RJ](#), [Woo JS](#), [Lee IB](#), [Yi YA](#), [Hwang JY](#), [Seo DG](#): Performance of universal adhesives on bonding to leucite-reinforced ceramic. *Biomater Res* 22 (19), 11 (2015).
- [24] [Lambade DP](#), [Gundawar SM](#), [Radke UM](#): Evaluation of adhesive bonding of lithium disilicate ceramic material with dual cured resin luting agents. *J Clin Diagn Res* 9, ZC01–5 (2015).
- [25] [Lise D](#), [Perdigão J](#), [Van Ende A](#), [Zidan O](#), [Lopes G](#): Microshear bond strength of resin cements to lithium disilicate substrates as a function of surface preparation. *Oper Dent* 40, 524–532 (2015).
- [26] [Mainjot AK](#), [Dupont NM](#), [Oudkerk JC](#), [Dewael TY](#), [Sadoun MJ](#): From artisanal to CAD-CAM blocks: state of the art of indirect composites. *J Dent Res* 95, 487–495 (2016).
- [27] [Mamanee T](#), [Takahashi M](#), [Nakajima M](#), [Foxton RM](#), [Tagami J](#): Initial and long-term bond strengths of one-step self-etch adhesives with silane coupling agent to enamel-dentin-composite in combined situation. *Dent Mater J* 3, 663–670 (2015).
- [28] [Menees TS](#), [Lawson NC](#), [Beck PR](#), [Burgess JO](#): Influence of particle abrasion or hydrofluoric acid etching on lithium disilicate flexural strength. *J Prosthet Dent* 112, 1164–1170 (2014).
- [29] [Moravej-Salehi E](#), [Moravej-Salehi E](#), [Valian A](#): Surface topography and bond strengths of feldspathic porcelain prepared using various sandblasting pressures. *J Investig Clin Dent* 7, 347–354 (2016).
- [30] [Neto DS](#), [Naves LZ](#), [Costa AR](#), [Correr AB](#), [Consani S](#), [Borges GA](#), [Correr-Sobrinho L](#): The effect of hydrofluoric acid concentration on the bond strength and morphology of the surface and interface of glass ceramics to a resin cement. *Oper Dent* 40, 470–479 (2015).
- [31] [Özcan M](#), [Allahbeickaraghi A](#), [Dündar M](#): Possible hazardous effects of hydrofluoric acid and recommendations for treatment approach: a review. *Clin Oral Investig* 16, 15–23 (2012).
- [32] Özcan M, Volpato CA: [Surface conditioning protocol for the adhesion of resin-based materials to glassy matrix ceramics: How to condition and why?](#) *J Adhes Dent* 17, 292–293 (2015).
- [33] Özcan M, Bock T: [Protocol for removal of clinically relevant contaminants from zirconium dioxide fixed dental prostheses.](#) *J Adhes Dent* 17, 576–577 (2015).
- [34] Özcan M: Air abrasion of zirconia resin-bonded fixed dental prostheses prior to adhesive cementation: why and how? *J Adhes Dent* 15, 394 (2013).
- [35] Özcan M, Matinlinna J: Surface conditioning protocol for the adhesion of resin-based cements to base and noble alloys: How to condition and why? *J Adhes Dent* 17, 372–373 (2015).
- [36] Özcan M, Volpato CA: Surface conditioning and bonding protocol for nanocomposite indirect restorations: How and why? *J Adhes Dent* 18, 82 (2016).
- [37] Özcan M, Volpato CAM: Surface conditioning and bonding protocol for polymer-infiltrated ceramic: How and why? *J Adhes Dent* 18, 174–175 (2016).
- [38] Passia N, Lehmann F, Freitag-Wolf S, Kern M: Tensile bond strength of different universal adhesive systems to lithium disilicate ceramic. *J Am Dent Assoc* 146, 729–734 (2015).
- [39] Prochnow C, Venturini AB, Grasel R, Bottino MC, Valandro LF: Effect of etching with distinct hydrofluoric acid concentrations on the flexural strength of a lithium disilicate-

- based glass ceramic. *J Biomed Mater Res B Appl Biomater* 2016 Feb 5. [Epub ahead of print]
- [40] Song M, Shin Y, Park JW, Roh BD: A study on the compatibility between one-bottle dentin adhesives and composite resins using micro-shear bond strength. *Restor Dent Endod* 40, 30–36 (2015).
- [41] [Spitznagel FA](#), [Horvath SD](#), [Guess PC](#), [Blatz MB](#): Resin bond to indirect composite and new ceramic/polymer materials: a review of the literature. *J Esthet Restor Dent* 26, 382–393 (2014).
- [42] [Staxrud F](#), [Dahl JE](#): Silanising agents promote resin-composite repair. *Int Dent J* 65, 311–315 (2015).
- [43] [Tian T](#), [Tsoi JK](#), [Matinlinna JP](#), [Burrow MF](#): Aspects of bonding between resin luting cements and glass ceramic materials. *Dent Mater* 30, e147–162 (2014).
- [44] [Venturini AB](#), [Prochnow C](#), [May LG](#), [Bottino MC](#), [Felipe Valandro L](#): Influence of hydrofluoric acid concentration on the flexural strength of a feldspathic ceramic. *J Mech Behav Biomed Mater* 48, 241–248 (2015).
- [45] [Vohra R](#), [Velez LI](#), [Rivera W](#), [Benitez FL](#), [Delaney KA](#): Recurrent life-threatening ventricular dysrhythmias associated with acute hydrofluoric acid ingestion: observations in one case and implications for mechanism of toxicity. *Clin Toxicol (Phila)* 46, 79–84 (2008).
- [46] [Xiaoping L](#), [Dongfeng R](#), [Silikas N](#): Effect of etching time and resin bond on the flexural strength of IPS e.max Press glass ceramic. *Dent Mater* 30, e330–336 (2014).
- [47] [Yang B](#), [Barlo A](#), [Kern M](#): Influence of air-abrasion on zirconia ceramic bonding using an adhesive composite resin. *Dent Mater* 26, 44–50 (2010).
- [48] Yoshida F, Tsujimoto A, Ishii R, Nojiri K, Takamizawa T, Miyazaki M, Latta MA: [Influence of surface treatment of contaminated lithium disilicate and leucite glass ceramics on surface free energy and bond strength of universal adhesives.](#) *Dent Mater J* 34, 855–862 (2015).