

## 10. Literaturverzeichnis

(BfArM), Bundesinstitut für Arzneimittel und Medizinprodukte (2003). "Amalgame in der zahnärztlichen Therapie." BfArM Informationsschrift 1 **17**.

Akgungor, G., B. Akkayan and H. Gaucher (2005). "Influence of ceramic thickness and polymerization mode of a resin luting agent on early bond strength and durability with a lithium disilicate-based ceramic system." J Prosthet Dent **94**(3): 234-41.

Azer, S. S., J. L. Drummond, S. D. Campbell and A. El Moneim Zaki (2001). "Influence of core buildup material on the fatigue strength of an all-ceramic crown." J Prosthet Dent **86**(6): 624-31.

Bergenholtz, G., C. F. Cox, W. J. Loesche and S. A. Syed (1982). "Bacterial leakage around dental restorations: its effect on the dental pulp." J Oral Pathol **11**(6): 439-50.

Blatz, M. B., A. Sadan and M. Kern (2003). "Resin-ceramic bonding: a review of the literature." J Prosthet Dent **89**(3): 268-74.

Blunck, U. (2005). "Adhäsivsysteme." Zahnärztl Prax **8**: 752 - 773.

Boehm, R. F. (1972). "Thermal environment of teeth during open-mouth respiration." J Dent Res **51**(1): 75-8.

Bowen, R. L. (1979). "Compatibility of various materials with oral tissues. I: The components in composite restorations." J Dent Res **58**(5): 1493-503.

Bowen, R. L. and M. S. Rodriguez (1962). "Tensile strength and modulus of elasticity of tooth structure and several restorative materials." J Am Dent Assoc **64**: 378-87.

Brannstrom, M. and K. J. Nordenwall (1978). "Bacterial penetration, pulpal reaction and the inner surface of Concise enamel bond. Composite fillings in etched and unetched cavities." J Dent Res **57**(1): 3-10.

Broderson, S. P. (1994). "Complete-crown and partial-coverage tooth preparation designs for bonded cast ceramic restorations." Quintessence Int **25**(8): 535-9.

Brosh, T., R. Pilo, N. Bichacho and R. Blutstein (1997). "Effect of combinations of surface treatments and bonding agents on the bond strength of repaired composites." J Prosthet Dent **77**(2): 122-6.

Brown, W. S., H. R. Jacobs and R. E. Thompson (1972). "Thermal fatigue in teeth." J Dent Res **51**(2): 461-7.

Bühler-Zemp, P.; Wey M. (2003). Wissenschaftliche Dokumentation IPS Empress System - Das Original. Wissenschaftliche Dokumentation Ivoclar-Vivadent. Schaan - Liechtenstein, Ivoclar-Vivadent.

Buonocore, M. G. (1955). "A simple method of increasing the adhesion of acrylic filling materials to enamel surfaces." J Dent Res **34**(6): 849-53.

Buonocore, M. G., Z. Sheykhholeslam and R. Glena (1973). "Evaluation of an enamel adhesive to prevent marginal leakage: an in vitro study." ASDC J Dent Child **40**(2): 119-24.

Celiberti, Lussi (2005). "Use of a self-etching adhesive on previously etched intact enamel and its effect on sealant microleakage and tag formation." J Dent **33**(2): 163-71.

Cho, G. C., L. M. Kaneko, T. E. Donovan and S. N. White (1999). "Diametral and compressive strength of dental core materials." J Prosthet Dent **82**(3): 272-6.

Chow, L. C. and W. E. Brown (1973). "Phosphoric acid conditioning of teeth for pit and fissure sealants." J Dent Res **52**(5): 1158.

Christensen, G. J. (2000). "Building up tooth preparations for full crowns--2000." J Am Dent Assoc **131**(4): 505-6.

Combe, E. C., A. M. Shaglouf, D. C. Watts and N. H. Wilson (1999). "Mechanical properties of direct core build-up materials." Dent Mater **15**(3): 158-65.

De Munck, J., K. Van Landuyt, M. Peumans, A. Poitevin, P. Lambrechts, M. Braem and B. Van Meerbeek (2005). "A critical review of the durability of adhesion to tooth tissue: methods and results." J Dent Res **84**(2): 118-32.

DGZMK (2005). "Wissenschaftliche Stellungnahme: Aufbaufüllungen für einen vitalen Zahn." Deutsch Zahnärztl Z **60**.

Dogon, I. L., D. Nathanson and M. J. Van Leeuwen (1980). "A long-term clinical evaluation of class IV acid-etched composite resin restorations." Compend Contin Educ Dent **1**(6): 385-90.

Dos Santos, P. A., P. P. Garcia and R. G. Palma-Dibb (2005). "Shear bond strength of adhesive systems to enamel and dentin. Thermocycling influence." J Mater Sci Mater Med **16**(8): 727-32.

Dumfahrt, H. and H. Schaffer (2000). "Porcelain laminate veneers. A retrospective evaluation after 1 to 10 years of service: Part II--Clinical results." Int J Prosthodont **13**(1): 9-18.

Eichner, K. and H. F. Kappert (2005). "Zahnärztlich Werkstoffe und ihre Verarbeitung." Stuttgart, Georg Thieme Verlag.

Eick, J. D., C. M. Cobb, R. P. Chappell, P. Spencer and S. J. Robinson (1991). "The dentinal surface: its influence on dentinal adhesion. Part I." Quintessence Int **22**(12): 967-77.

El-Mowafy and Brochu (2002). "Longevity and clinical performance of IPS-Empress ceramic restorations--a literature review." J Can Dent Assoc **68**(4): 233-7.

Ferrari, M., F. Mannocci, G. Kugel and F. Garcia-Godoy (1999). "Standardized microscopic evaluation of the bonding mechanism of NRC/Prime & Bond NT." Am J Dent **12**(2): 77-83.

Fradeani, M., A. Aquilano and L. Bassein (1997). "Longitudinal study of pressed glass-ceramic inlays for four and a half years." J Prosthet Dent **78**(4): 346-53.

Frankenberger, R., A. Petschelt and N. Kramer (2000). "Leucite-reinforced glass ceramic inlays and onlays after six years: clinical behavior." Oper Dent **25**(6): 459-65.

Fusayama, T. and T. Maeda (1969). "Effect of pulpectomy on dentin hardness." J Dent Res **48**(3): 452-60.

Fuzzi, M. and G. Rappelli (1998). "Survival rate of ceramic inlays." J Dent **26**(7): 623-6.

Fuzzi, M. and G. Rappelli (1999). "Ceramic inlays: clinical assessment and survival rate." J Adhes Dent **1**(1): 71-9.

Gale, M. S. and B. W. Darvell (1999). "Thermal cycling procedures for laboratory testing of dental restorations." J Dent **27**(2): 89-99.

Guzy, G. E. and J. I. Nicholls (1979). "In vitro comparison of intact endodontically treated teeth with and without endo-post reinforcement." J Prosthet Dent **42**(1): 39-44.

Gwinnett, A. J. (1967). "The ultrastructure of the "prismless" enamel of permanent human teeth." Arch Oral Biol **12**(3): 381-8.

Gwinnett, A. J. (1971). "Histologic changes in human enamel following treatment with acidic adhesive conditioning agents." Arch Oral Biol **16**(7): 731-8.

Hahn, R. (1990). "Herstellung ästhetischer Keramik-Einlagefüllungen mit dem Optec-HSP-System. Quintessenz." Quintessenz **41**: 35-47.

Hahn, R. and C. Löst (1996). "Adhäsitiv befestigte Einlagefüllungen: Grundlagen, Indikationen, Vorgehensweise." Stuttgart, Georg Thieme Verlag.

Haller, R. and H. Bischoff (1993). "Metallfreie Restaurierungen aus Presskeramik." Berlin, Quintessenz Verlag-GmbH.

Hannig, M., R. Hahn, T. Attin (2003). "Influence of different repair procedures on bond strength of adhesive filling materials to etched enamel in vitro." Oper Dent **28**(6): 800-807.

Hannig, M., K. J. Reinhardt and B. Bott (1999). "Self-etching primer vs phosphoric acid: an alternative concept for composite-to-enamel bonding." Oper Dent **24**(3): 172-80.

Hara, A. T., L. A. Pimenta and A. L. Rodrigues, Jr. (2001). "Influence of cross-head speed on resin-dentin shear bond strength." Dent Mater **17**(2): 165-9.

Hellwig, E., K. Klimek and T. Attin (2003). "Einführung in die Zahnerhaltung." München, Urban & Fischer.

Hisamatsu, N., M. Atsuta and H. Matsumura (2002). "Effect of silane primers and unfilled resin bonding agents on repair bond strength of a prosthodontic microfilled composite." J Oral Rehabil **29**(7): 644-8.

Horn, H. R. (1983). "Porcelain laminate veneers bonded to etched enamel." Dent Clin North Am **27**(4): 671-84.

Ivoclar-Vivadent. (2004). "Wissenschaftlich Dokumentation-MultiCore." Das Original. Wissenschaftliche Dokumentation Ivoclar-Vivadent. Schaan - Liechtenstein, Ivoclar-Vivadent.

Kanemura, N., H. Sano and J. Tagami (1999). "Tensile bond strength to and SEM evaluation of ground and intact enamel surfaces." J Dent **27**(7): 523-30.

Kato, H., H. Matsumura, T. Ide and M. Atsuta (2001). "Improved bonding of adhesive resin to sintered porcelain with the combination of acid etching and a two-liquid silane conditioner." J Oral Rehabil **28**(1): 102-8.

Kim, J. Y., Y. Takahashi, M. Kito, Y. Morimoto and J. Hasegawa (1992). "Semi-quantitative analysis of early microleakage around amalgam restorations by fluorescent spectrum method: a laboratory study." Dent Mater J **11**(1): 45-58.

Kramer, N., J. Ebert, A. Petschelt and R. Frankenberger (2006). "Ceramic inlays bonded with two adhesives after 4 years." Dent Mater **22**(1): 13-21.

Kula, K., S. Nelson and V. Thompson (1983). "In vitro effect of APF gel on three composite resins." J Dent Res **62**(7): 846-849.

Kula, K., S. Nelson, T. Kula and V. J. Thompson (1986). "In vitro effect of acidulated phosphate fluoride gel on the surface of composites with different filler particles." J Prosthet Dent **56**(2): 161-169.

Longman, C. M. and Pearson C.J. (1984). "Variation in temperature of the oral cavity during the imbibition of hot and cold fluids." J Dent Res [Special Issue] **63**(4): 521.

Lopes, G. C., L. N. Baratieri, M. A. de Andrada and L. C. Vieira (2002). "Dental adhesion: present state of the art and future perspectives." Quintessence Int **33**(3): 213-24.

Lucena-Martin, C., S. Gonzalez-Lopez and J. M. Navajas-Rodriguez de Mondelo (2001). "The effect of various surface treatments and bonding agents on the repaired strength of heat-treated composites." J Prosthet Dent **86**(5): 481-8.

Lutz, F., B. Lüscher, H. Ochsenbein and W.R. Mühlemann (1976). "Adhäsive Zahnheilkunde." Juris, Zürich.

Manson-Rahemtulla, B., D. H. Retief and H. C. Jamison (1984). "Effect of concentrations of phosphoric acid on enamel dissolution." J Prosthet Dent **51**(4): 495-8.

Marx and Hass (1992). "Zug- oder Schertest. Welcher Test ist für den Verbund Metall/Kunststoff aussagekräftiger?" Deutsch Zahnärztl Z **47**: 165 - 169.

Matinlinna, J. P., L. V. Lassila, M. Ozcan, A. Yli-Urpo and P. K. Vallittu (2004). "An introduction to silanes and their clinical applications in dentistry." Int J Prosthodont **17**(2): 155-64.

McLean, J. W. (1984). Dental Ceramics Proceedings of the First International Symposium on Ceramics. Berlin, Quintessenz Verlags-GmbH.

McLean, J. W. and T. H. Hughes (1965). "The reinforcement of dental porcelain with ceramic oxides." Br Dent J **119**(6): 251-67.

Mörmann, W.H., M. Brandestini, M. Ferru, F. Lutz, I. Krejci (1985). "Marginale Adaptation von adhäsiven Porzellinaninlays in vitro." Schweiz Monatsschr Zahnmed **95**: 1119-1129.

Musil, R. and HJ. Tiller (1989). "[Silicoater procedures after 5-year clinical trial]." Zahnärztl Prax **40**(4): 124-8.

Odman, P. and B. Andersson (2001). "Procera AllCeram crowns followed for 5 to 10.5 years: a prospective clinical study." Int J Prosthodont **14**(6): 504-9.

Oooka, S., M. Miyazaki, A. Rikut and B. K. Moore (2004). "Influence of polymerization mode of dual-polymerized resin direct core foundation systems on bond strengths to bovine dentin." J Prosthet Dent **92**(3): 239-44.

Oooka, S., M. Miyazaki, T. Takamizawa, K. Tsubota, H. Kurokawa and A. Rikuta (2004). "Influence of adhesive polymerization mode on dentin bond strength of direct core foundation systems." J Oral Sci **46**(3): 185-9.

Özcan, M. and P. K. Vallittu (2003). "Effect of surface conditioning methods on the bond strength of luting cements to ceramic." Dent Mat **19**: 725-731.

Özcan, M., P. Alander, P. K. Vallittu, M. C. Huysmans and W. Kalk (2005). "Effect of three surface conditioning methods to improve bond strength of particulate filler resin composites." J Mat Sci Mater Med **16**(1): 21-27.

Palmer, D. S., M. T. Barco and E. J. Billy (1992). "Temperature extremes produced orally by hot and cold liquids." J Prosthet Dent **67**(3): 325-7.

Pashley, D. H. (1991). "In vitro simulations of in vivo bonding conditions." Am J Dent **4**(5): 237-40.

Pashley, D. H. and E. L. Pashley (1991). "Dentin permeability and restorative dentistry: a status report for the American Journal of Dentistry." Am J Dent **4**(1): 5-9.

Pashley, D. H., H. J. Andringa, G. D. Derkson, M. E. Derkson and S. R. Kalathoor (1987). "Regional variability in the permeability of human dentine." Arch Oral Biol **32**(7): 519-23.

Perdigao, L. (2002). "Dentin bonding as a function of dentin structure." Dent Clin North Am **46**(2): 277-301, vi.

Perdigao, L. (1999). "Dentin bonding--questions for the new millennium." J Adhes Dent **1**(3): 191-209.

Peumans, M., B. Van Meerbeek, P. Lambrechts, M. Vuylsteke-Wauters and G. Vanherle (1998). "Five-year clinical performance of porcelain veneers." Quintessence Int **29**(4): 211-21.

Poole, D. F. and N. W. Johnson (1967). "The effects of different demineralizing agents on human enamel surfaces studied by scanning electron microscopy." Arch Oral Biol **12**(12): 1621-34.

Probster, L. (1993). "Survival rate of In-Ceram restorations." Int J Prosthodont **6**(3): 259-63.

Probster, L. (1996). "Four year clinical study of glass-infiltrated, sintered alumina crowns." J Oral Rehabil **23**(3): 147-51.

Rauber, Ch., Kupferschmidt H. (2005). "Vergiftungen durch Flusssäure." Zürich, Schweizerisches Toxikologisches Informationszentrum.

Reeh, E. S., H. H. Messer and W. H. Douglas (1989). "Reduction in tooth stiffness as a result of endodontic and restorative procedures." J Endod **15**(11): 512-6.

Reinhardt, K. J. (2002). "Eigenschaften und Grenzen selbstätzender Primer." Dent Prax **19**(3 - 4): 93 - 101.

- Reiss, B. and W. Walther (2000). "Clinical long-term results and 10-year Kaplan-Meier analysis of Cerec restorations." Int J Comput Dent **3**(1): 9-23.
- Retief, D. H. (1973). "Effect of conditioning the enamel surface with phosphoric acid." J Dent Res **52**(2): 333-41.
- Retief, D. H. (1991). "Standardizing laboratory adhesion tests." Am J Dent **4**(5): 231-6.
- Ries, S., J. Wolz, EJ. Richter, (2006). "Effect of design of all-ceramic resin-bonded fixed partial dentures on clinical survival rate." Int J Periodontics Restorative Dent **26**(2): 143-9.
- Roulet, J. F. (1994). "Marginal integrity: clinical significance." J Dent **22 Suppl 1**: S9-12.
- Roulet, J. F., K. J. Soderholm and J. Longmate (1995). "Effects of treatment and storage conditions on ceramic/composite bond strength." J Dent Res **74**(1): 381-7.
- Schäfer, E. (1999). "Geschichtliche Entwicklung, Klassifizierung und Haftmechanismus der Dentinadhäsive." Deutsch Zahnärztebl **108**(4 - 6): 218 - 225, 306 - 311, 391 - 396.
- Scherrer, S. S. and W. G. de Rijk (1992). "The effect of crown length on the fracture resistance of posterior porcelain and glass-ceramic crowns." Int J Prosthodont **5**(6): 550-7.
- Scherrer, S. S. and W. G. de Rijk (1993). "The fracture resistance of all-ceramic crowns on supporting structures with different elastic moduli." Int J Prosthodont **6**(5): 462-7.
- Schmitz, K. and H. Schulmeyer (1975). "[Determination of the adhesion of dental metal-porcelain bonding systems]." Dent Labor (Munch) **23**(12): 1416-20.
- Schroeder, H. E. (2000). "Orale Strukturbioologie: Entwicklungsgeschichte, Struktur und Funktion normaler Hart- und Weichgewebe der Mundhöhle und des Kiefergelenks." Stuttgart, Georg Thieme Verlag.
- Schulte, A. G., A. Vockler and R. Reinhardt (2005). "Longevity of ceramic inlays and onlays luted with a solely light-curing composite resin." J Dent **33**(5): 433-42.

Sen, D. and G. Akgungor (2005). "Shear bond strengths of two composite core materials after using all-in-one and single-bottle dentin adhesives." J Prosthodont **14**(2): 97-103.

Shahverdi, S., S. Canay, E. Sahin and A. Bilge (1998). "Effects of different surface treatment methods on the bond strength of composite resin to porcelain." J Oral Rehabil **25**(9): 699-705.

Shillingburg, H. T., Jr., R. Jacobi and S. E. Brackett (1985). "Preparation modifications for damaged vital posterior teeth." Dent Clin North Am **29**(2): 305-26.

Sorensen, J. A., C. Choi, M. I. Fanuscu and W. T. Mito (1998). "IPS Empress crown system: three-year clinical trial results." J Calif Dent Assoc **26**(2): 130-6.

Spoehr, A. M., L. C. Sobrinho, S. Consani, M. A. Sinhoreti and J. C. Knowles (2003). "Influence of surface conditions and silane agent on the bond of resin to IPS Empress 2 ceramic." Int J Prosthodont **16**(3): 277-82.

Stankiewicz, N. R. and P. R. Wilson (2002). "The ferrule effect: a literature review." Int Endod J **35**(7): 575-81.

Stewart, G. P., P. Jain and J. Hodges (2002). "Shear bond strength of resin cements to both ceramic and dentin." J Prosthet Dent **88**(3): 277-84.

Sturzenegger, B., A. Feher, H. Luthy, M. Schumacher, O. Loeffel, F. Filser, P. Kocher, L. Gauckler and P. Scharer (2000). "[Clinical study of zirconium oxide bridges in the posterior segments fabricated with the DCM system]." Schweiz Monatsschr Zahnmed **110**(12): 131-9.

Taskonak, Sertgoz (2005). "Two-year clinical evaluation of lithia-disilicate-based all-ceramic crowns and fixed partial dentures." Dent Mater.

Terkla, L. G., A. C. Brown, A. P. Hainisch and J. C. Mitchem (1987). "Testing sealing properties of restorative materials against moist dentin." J Dent Res **66**(12): 1758-64.

- Touati, B., P. Miara and D. Nathanson (2001). "Keramik-Inlays und -Onlays. Ästhetische Zahnheilkunde und keramische Restaurationen." München, Jena, Urban & Fischer: 1-38, 259-292.
- Trope, M., D. O. Maltz and L. Tronstad (1985). "Resistance to fracture of restored endodontically treated teeth." Endod Dent Traumatol **1**(3): 108-11.
- Uno, S. and W. J. Finger (1996). "Effects of acidic conditioners on dentine demineralization and dimension of hybrid layers." J Dent **24**(3): 211-6.
- van Dijken, J. W., A. Ormin and A. L. Olofsson (1999). "Clinical performance of pressed ceramic inlays luted with resin-modified glass ionomer and autopolymerizing resin composite cements." J Prosthet Dent **82**(5): 529-35.
- Vankerckhoven, H., P. Lambrechts, M. van Beylen, C. L. Davidson and G. Vanherle (1982). "Unreacted methacrylate groups on the surfaces of composite resins." J Dent Res **61**(6): 791-5.
- Walther, R. (1994). "Vergleichende Untersuchung von vier Abscher-Verfahren zur Prüfung der Haftung Metallkeramik in Abhängigkeit verschiedener Legierungen." Diss, FU - Berlin.
- Wassell, R. W., E. R. Smart and G. St George (2002). "Crowns and other extra-coronal restorations: cores for teeth with vital pulps." Br Dent J **192**(9): 499-502, 505-9.
- Wiedhahn, K., T. Kerschbaum and D. F. Fasbinder (2005). "Clinical long-term results with 617 Cerec veneers: a nine-year report." Int J Comput Dent **8**(3): 233-46.
- Willems, G., P. Lambrechts, M. Braem and G. Vanherle (1993). "Composite resins in the 21st century." Quintessence Int **24**(9): 641-58.
- Zimmer, D., T. Gerds and J. R. Strub (2004). "[Survival rate of IPS-Empress 2 all-ceramic crowns and bridges: three year's results]." Schweiz Monatsschr Zahnmed **114**(2): 115-9.