

9 Literaturverzeichnis

1. Adamczyk E, Spiechowicz E. Plaque accumulation on crowns made of various materials. *Int J Prosthodont* 1990; 3 (3): 285-91.
2. Aida M., Hayakawa T., Mizukawa T. Adhesion of composite to porcelain with various surface conditions. *J Prosthet Dent* 1995; 73 (5): 464-70.
3. Andersson M., Oden A. A new all-ceramic crown. A dense-sintered, high-purity alumina coping with porcelaine. *Acta Odontol Scand* 1993; 51 (1): 59-64.
4. Ardlin B. I. Transformation-toughened zirconia for dental inlays, crowns and bridges: chemical stability and effect of low-temperature aging on flexural strength and surface. *Dent Mater* 2002; 18: 590-595.
5. Anusavice K.J., Gray A.E. Influence of framework design, contraction mismatch, and thermal history on porcelain checking in fixed partial dentures. *Dent Mater* 1989; 5 (1): 58-63.
6. Anusavice K.J., Hojjatie B. Tensile stress in glass-ceramic crowns: Effect of flaws and cement voids. *Int J Prosthodont* 1992; 5: 351-358.
7. Becker J., Heidemann D. Entwicklungsstand und Probleme des Einsatzes von CAD/CAM-Systemen. *Dtsch Zahnärztl. Zeitung* 1993; 611-617.
8. Behr M., Hindelang U., Rosentritt M., Lang R., Handel G. Comparison of failure rates of adhesive-fixed partial dentures for in vivo and in vitro studies. *Clin Oral Invest* 2000; 4:25-30.
9. Besek, M. et al.. The curing of composites under Cerec inlays. *Schweiz Monatsschr Zahnmed* 1995; 105 (9): 1123-8.
10. Bieniek K.W., Marx R. Die mechanische Belastbarkeit neuer vollkeramischer Kronen- und Brückenmaterialien. *Schweiz Monatsschr Zahnmed* 1994; 10483: 284-9.
11. Blatz M. Long-term clinical success of all-ceramic posterior restorations. *Quint Int* 2002; 33(6): 415-25.
12. Broek D. Elementary engineering fracture mechanics. Sijthoff&Noordhoff, Alphen aan den Rijn 1978.
13. Burke F.J., Fleming G., Nathanson D., Marquis P. Are adhesive technologies needed to support ceramics? An assessment of the current evidence. *J Adhes Dent* 2002; 4 (1):7-22.
14. Burke, F.J. The effect of variations in bonding procedure on fracture resistance of dentin-bonded all-ceramic crowns. *Quintessence Int* 1995; 26(4): 293-300.

15. Burke, F.J. Fracture resistance of teeth restored with dentin-bonded crowns: the effect of increased tooth preparation. *Quintessence Int* 1996; 27 (2): 115-21.
16. Burke, F.J. Maximising the fracture resistance of dentine-bonded all-ceramic crowns. *J Dent* 1999; 27 (3): 169-73.
17. Castellani D. et al.. Resistance to fracture of metal ceramic and all-ceramic crowns. *Int J Prosthodont* 1994 ; 7 (2): 149-54.
18. Chai J. et al.. Probability of fracture of all-ceramic crowns. *Int J Prosthodont* 2000 ; 13 (5): 420-4.
19. Chan C., Weber H. Plaque retention on teeth restored with full-ceramic crowns: a comparative study. *J Prosthet Dent* 1986; 56 (6): 666-71.
20. Chen H.Y., Hickel R., Setcos J., Kunzelmann K.-H. Effects of surface finish and fatigue testing on the fracture strength of CAD/CAM and pressed ceramic crowns. *J Prosthet Dent* 1999; 82 (4): 468-75.
21. Cho E., Kopel H., White S.N. Moisture susceptibility of resin-modified glass-ionomer materials. *Quintessence Int* 1995; 26: 351-8.
22. Chung K., Duh J. Properties of glass-ceramic materials for fixed partial denture construction. *J Oral Reh* 1996; 23: 590-98.
23. Clark M.T., Richards M.W.,Meiers J.C. Seating accuracy and fracture strength of vented and nonvented ceramic crowns luted with three cements. *J Prosthet Dent* 1995; 74 (1): 18-24.
24. Craig R.G. Restorative dental materials. 9th ed. St Louis: CV Mosby; 1993: 197-9, 274-6.
25. DeLong R., Pintado M., Douglas W.H.: Measurement of change in surface contour by computer graphics. *Dent Mater* 1985; 1: 27-30.
26. Derand T. Stresses in the anchor crowns of a metal-ceramic bridge in model experiments. *J Oral Reh* 1981; 8: 75-79.
27. Derand T. Stresses in cantilever metal-ceramic bridge in model experiments. *J Oral Reh* 1981; 8: 107-11.
28. Derand T. The influence of the cement layer on the strength of porcelain crowns subjected to frequent loading. *Odontol Revy* 1975; 26 (3): 239-44.
29. Douglas W.H., Sakaguchi R.L., DeLong R. Frictional effects between natural teeth in an artificial mouth. *Dent Mater* 1985; 1: 115-119.
30. Doyle, M.G. et al. The effect of tooth preparation design on the breaking strength of Dicor crowns. *Int J Prosthodont* 1990 ; 3 (4): 327-40.
31. Duret F., Blouin J.L., Duret B. CAD/CAM in dentistry. *J Am Dent Assoc* 1988; 117 (6): 715-20.

32. Feher A., Mörmann W.H. Die Ausarbeitung von Keramik-Restaurationen mit superfeinen Diamantinstrumenten. Schweiz Monatsschr Zahnmed 1995; 105: 4.
33. Fenske C., Jarren M.P., Sadat-Khonsari H.D., Jüde H.D. In-vitro-Untersuchung zur Bruchfestigkeit von IPS-Empress-Kronen in Abhängigkeit von der Stufenbreite. Dtsch. Zahnärztl Z 1999; 54: 732-734.
34. Ferro K.J., Myers M.L., Graser G.N. Fracture strength of full-contoured ceramic crowns and porcelain-veneered crowns of ceramic copings. J Prosthet Dent 1994; 71 (5): 462-7.
35. Finger W. Begriffsbestimmungen der Werkstoffprüfung (In: Zahnärztliche Werkstoffe und ihre Verarbeitung Band 1 Grundlagen und Verarbeitung) Hrsg.:Eichner K., Kappert H.F., Thieme-Verlag, 8. unveränderte Auflage 2005: 385-397.
36. Foxton R.M., Pereira P., Nakajima M., Tagami J., Miura H. Long-term durability of the dual-cure resin cement/silicon ceramic bond. J Adhes Dent 2002; 4:125-135.
37. Friese S.D. Microfacette statt Microtrauma, eine Alternativlösung. Phillip J 1994;1-2: 17-22.
38. Gale M.S., Darvell B.W. Thermal cycling procedures for laboratory testing of dental restorations. J Dent 1999; 27: 89-99.
39. Geis-Gerstorfer J., Fäßler P. Untersuchungen zum Ermüdungsverhalten der Dental- Keramiken Zirkondioxid-TZP und In-Ceram. Dtsch Zahnärztl Z 1999; 54: 692-94.
40. Geis-Gerstorfer J., Kanjantra P., Pröbster L., Weber H. Untersuchung der Bruchzähigkeit und des Risswachstums zweier vollkeramischer Kronen- und Brückensysteme. Dtsch Zahnärztl Z 1993; 48 (11): 685-91.
41. Gemalmaz D., Yoruc A.B., Ozcan M., Alkumru H.N. The effect of early water contact on solubility of glass ionomer cements. J Dent Res 1997; 76: 318 (abstract 2437).
42. Graber G., Besimo C. Das DCS-Hochleistungskeramik-System. Quintessenz Zahntech 1994; 20: 57-64.
43. Groten M., Probster L. The influence of different cementation modes on the fracture resistance of feldspathic ceramic crowns. Int J Prosthodont 1997; 10 (2): 169-77.
44. Hahn R., Wolf M., Breunig A. Hochleistungskeramik-eine aktuelle Standortbestimmung. Phillip J 1996; 9-10: 311.
45. Heintze S.D. Brücken aus vollkeramischem Material (IPS Empress 2), Indikationen, klinische Aspekte und Prognose. Ivoclar-Vivadent Report 1998a; 12 (2): 10.

46. Hino T. A mechanical study on new ceramic crowns and bridges for clinical use. *Osaka Daigaku Shigaku Zasshi* 1990; 35 (1): 240-67.
47. Hino T. et al. Strength evaluation of castable glass ceramic crown and castable glass ceramic bridge. *Nippon Hotetsu Shika Gakkai Zasshi* 1988; 32 (6): 1336-44.
48. Hölsch W., Kappert H.F. Festigkeitsprüfung von vollkeramischem Einzelzahnersatz für den Front- und Seitenzahnbereich. *Dtsch. Zahnärztl Z* 1992; 47: 621-23.
49. Hoffmann-Axthelm W. Lexikon der Zahnmedizin. Quintessenz Verlag Berlin 1992, 5.Auflage.
50. Hohmann A., Hielscher W. Lehrbuch der Zahntechnik, Band 3: Werkstofftechnik. 4. Auflage 2005; Quintessenzverlags GmbH Berlin: 372-417.
51. Jacobs H.R., Thompson R.E., Brown W.S.: Heat transfer in teeth. *J Dent Res* 1973; 52: 248-252.
52. Jaworzyń J.F., Arundel P.A., Cantwell J. Posterior composite restorations: Simultaneous thermal cycling and wear studies in vitro. *J Dent Res* 1978; 57A: 251 (abstract 708).
53. Jeong S.-M., Ludwig K., Kern M. Investigation of the fracture resistance of three types of zirconia posts in all-ceramic post-and-core restorations. *Int J Prosthodont* 2002; 15 (2).
54. Kamposiora P., Papavasiliou G., Bayne S.C., Felton D. Stress concentration in all-ceramic posterior fixed partial dentures. *Quintessenz Int* 1996; 27 (10): 701-6.
55. Kappert H.F., Knipp U., Wehrstein A., Kmitta M., Knipp J. Festigkeit von Zirkonoxid-verstärkten Vollkeramikbrücken aus In-Ceram. *Dtsch Zahnärztl Z* 1995; 50 (9): 683-685.
56. Kappert H.F., Knodel H. In-Ceram auf dem Prüfstand. *Quintessenz Zahntech* 1990; 16: 980-1002.
57. Kappert H.F., Knodel H., Manzotti L. Metallfreie Brücken für den Seitenzahnbereich. *Dental Labor* 1990; 38: 177.
58. Kappert H.F., Knodel H., Schultheiss R. Festigkeitsverhalten der In-Ceram-Keramik bei mechanischer und thermischer Wechsellauf im Kunstspeichel. *Dtsch Zahnärztl Z* 1991; 46: 129.
59. Kelly J.R. Clinical failure of dental ceramics structures: Insight from combined fractography, in vitro testing and Finite Element Analysis. *Ceramic Transactions* 1995a; 48: 125-137.
60. Kelly J.R., Tesk J.A. Clinically Relevant All-Ceramic FPD Mechanical Test Analogs. *J Dent Res* 1995b; 74: 158 (abstract 1184).

61. Kelly J.R.: Ceramics in restorative and prosthetic dentistry. *Ann Rev Mat Science* 1997; 27: 443-468.
62. Kelly J.R., Tesk J.A., Sorensen J.A. Failure of all-ceramic fixed partial dentures in vitro and in vivo: analysis and modeling. *J Dent Res* 1995; 74 (6): 1253-58.
63. Kern M., Douglas W.H., Fechtig T., Strub J.R., DeLong R. Fracture strength of all-porcelain, resin-bonded bridges after testing in an artificial oral environment. *J. Dent* 1993; 21: 117-21.
64. Kern M., Fechtig T., Strub J.R. Influence of water storage and thermal cycling on the fracture strength of all-porcelain, resin-bonded fixed partial dentures. *J Prosthet Dent* March 1994; 71 (3): 251-56.
65. Kern M., Schwarzbach W., Strub J.R. Stability of all-porcelain, resin-bonded fixed restorations with different designs: an in vitro study. *Int J Prosthodont* 1992; 5 (2):108-13.
66. Kikuchi M., Korioth T.W.P., Hannam A.G. The association among occlusal contacts, clenching effort and bite force distribution in man. *J Dent Res* 1997; 76: 1316-1325.
67. Kitasako Y., Burrow M.F., Nikaido T., Tagami J. The influence of storage solution on dentin bond durability of resin cement. *Dent Mater* 2000; 16: 1-6.
68. Klaiber B., Haller B. Technology and progress in conservative dentistry. *Dtsch Zahnarztl Z* 1989; 44 (8): 563-8.
69. Körber K.H., Ludwig K., Huber K. Experimental study of the mechanical strength of bridge frameworks for metalloceramics. *Zwr* 1982; 1 (6): 50, 53-61.
70. Körber K.H., Ludwig K. Maximale Kaukraft als Berechnungsfaktor zahn-technischer Konstruktionen. *Dental-Labor* 1983; 16 (1): 55-57.
71. Koutayas S.O., Kern M., Ferraresso F., Strub J.R. Influence of design and mode of loading on the fracture strength of all-ceramic resin-bonded fixed partial dentures: an in vitro study in a dual-axis chewing simulator. *J Prosthet Dent* 2000; 83 (5): 540-47.
72. Koutayas S.O., Kern M., Ferraresso F., Strub J.R. Influence of framework design on fracture strength of mandibular anterior all-ceramic resin bonded fixed partial dentures. *Int J Prosthodont* 2002; 15 (3): 223-29.
73. Krejci I., Mueller E., Lutz F. Effects of thermocycling and occlusal force on adhesive composite crowns. *J Dent Res* 1994; 73 (6): 1228-32.
74. Krejci I., Lutz F., Fullemann J. Tooth-colored inlays/overlays. Tooth-colored adhesive inlays and overlays: materials, principles and classification. *Schweiz Monatsschr Zahnmed.* 1992; 102 (1): 72-83.

75. Krejci I., Reich T., Lutz F., Albertoni M. In-vitro Testverfahren zur Evaluation dentaler Restaurationssysteme Teil 1: Computergesteuerter Kausimulator. Schweiz Monatsschr Zahnmed. 1990; 100 (8): 953-60.
76. Kümin P., Lüthy H., Mörmann W.H. Festigkeit von Keramik und Polymer nach CAD/CIM-Bearbeitung und im Verbund mit Dentin. Schweiz Monatsschr Zahnmed 1993; 103 (10): 1261-68.
77. Kurbad A. Cerec goes in Lab- the metamorphosis of the system. Int J Comput Dent 2001; 4 (2): 125-43.
78. Lampe K. Bruchlast vollkeramischer Computerkronen. Zahnmed. Diss., Universität Zürich 1996.
79. Lee S.K., Wilson P.R. Fracture strength of all-ceramic crowns with varying core elastic moduli. Aust Dent J 2000; 45 (2): 103-7.
80. Leevailoj C., Platt J.A., Cochran M.A., Moore B.K. In vitro study of fracture incidence and compressive fracture load of all-ceramic crowns cemented with resin-modified glass ionomer and other luting agents. J Prosthet Dent 1998; 80 (6): 699-707.
81. Lenz J., Thies M., Wollwage P., Schweizerhof K. A note on the temperature of the flexural strength of a porcelain. Dent Mater 2002; 18: 558-60.
82. Lin T.H., K.H. Chung, Chan C.C. The feasibility of castable ceramic material in dental bridge construction. Zhonghua Yi Xue Za Zhi (Taipei) 1992; 50 (5): 353-58.
83. Luthardt R.G., Musil R. CAD/CAM-gefertigte Kronengerüste aus Zirkonoxid-Keramik. Dtsch Zahnärztl Z 1997; 52: 380-84.
84. Luthardt R.G., Sandkuhl O., Reitz B. Zirconia-TZP and alumina-advanced technologies for the manufacturing of single crowns. Eur J Prosthodont Restor Dent 1999; 7 (4): 113-19.
85. Luthhardt R.G., Sandkuhl O., Herold V., Walter M.H. Accuracy of mechanical digitizing with a CAD/CAM system for fixed restorations. Int J Prosthodont 2001; 14 (2): 146-51.
86. Luthhardt R.G., Holzhüter M., Sandkuhl O., Herold V., Schnapp J.D., Kuhlisch E., Walter M. Reliability and properties of ground Y-TZP-Zirconia ceramics. J Dent Res 2002; 81 (7):487-91.
87. Lynch E., Tay W.M. Glass ionomer cements. Part 2,3 and 4. Clinical properties 2,3 and 4. J Ir Dent Assoc 1989; 35 (2): 59-64,66-73,75-82.
88. Mante F., Phillips K., Korostoff E. Effect of cements on the strength of all-ceramic crowns. J Dent Res 1995; 74 (93), (abstract 222).
89. Marx R., Weber M. Vollkeramische Kronen-und Brückenmaterialien- Eigenschaften und Anforderungen. 5.erg. Auflage; Aachen: November 2001.

90. Meier M., Fischer H., Richter E.-J., Maier H.R., Spiekermann H. Einfluß unterschiedlicher Präparationsgeometrien auf die Bruchfestigkeit vollkeramischer Molarenkronen. *Dtsch Zahnärztl Z* 1995; 50: 295-299.
91. McLean J.W., Hughes T.H. The reinforcement of dental porcelain with ceramic oxides. *Br Dent J* 1965; 119 (6): 251-67.
92. Miller A., Long J., Miller B., Cole J. Comparison of the fracture strength of ceramometal crowns versus several all-ceramic crowns. *J Prosthet Dent* 1992; 68 (1): 38-41.
93. Mojon P., Kaltio R., Feduik D., Hawbolt E.B., MacEntee M.I. Short-term contamination of luting cements by water and saliva. *Dent Mater* 1996; 12: 83-7.
94. Mörmann W.H., Bindl A., Lüthy H., Rathke A. Effects of preparation and luting system on all-ceramic computer generated crowns. *Int J Prosthodont* 1998; 11 (4): 333-39.
95. Mörmann W.H., Gougoulakis A., Besek M. Faszination und Kreativität mit keramischen Restaurationen: Cerec 2 . Zentrum für Zahn-, Mund- und Kieferheilkunde, Universität Zürich 1995.
96. Oh W., Götzen N., Anusavice K.J. Influence of connector design on fracture probability of ceramic fixed-partial dentures. *J Dent Res* 2002; 81 (9): 623-27.
97. Palmer D.S., DMD, Barco M.T., DDS, MSD, Billy E.J.,DMD: Temperature extremes produced orally by hot and cold liquids. *J Prosthet Dent* 1992; 67 (3): 325-27.
98. Persson M., Andersson M., Bergman B. The accuracy of a high-precision digitizer for CAD/CAM of crowns. *J Prosthet Dent* 1995; 74 (3): 223-29.
99. Pfeiffer J. Dental CAD/CAM technologies: The optical impression (II). *Int J Comput Dent* 1999; 2 (1): 65-72.
100. Pospiech P., Rammelsberg P., Gernet W. Comparison of ceramic crowns strength using composite resin and zinc phosphate cement. *J Dent Res* 1992; 71(34): (abstract 147).
101. Pospiech P., Rammelsberg P., Unsöld F. A new design for all-ceramic resin-bonded fixed partial dentures. *Quintessenz Int* 1996; 27 (11): 753-58.
102. Probster L. Compressive strength of two modern all-ceramic crowns. *Int J Prosthodont* 1992; 5 (5): 409-14.
103. Proos K. et al. Preliminary studies on the optimum shape of dental bridges. *Comput Methods Biomech Biomed Engin* 2000; 4 (1): 77-92.
104. Raigrodski A.J., Chiche G.J. The safety and efficacy of anterior ceramic fixed partial dentures: a review of the literature. *J Prosthet Dent* 2001; 86 (4): 520-25.

105. Rammelsberg P., Eickemeyer G., Erdelt K., Pospiech P. Fracture resistance of posterior metal-free polymer crowns. *J Prosthet Dent* 2000; 84 (3): 303-308.
106. Rekow E.D. CAD/CAM in dentistry: A historical perspective and view of the future. *J Can Assoc* 1992; 58 (4): 283, 287-288.
107. Riedling W., Kappert H.F., Berg G. Eine vergleichende Untersuchung dreier Vollkeramik-Kronen-Systeme. *Zahnärztliche Praxis* 1987; 7: 252-56.
108. Riedling W., Kappert H.F., Woerner W. Der Einfluß der Präparationsform auf die Druckbelastbarkeit kronenartiger Glaskeramik-Prüfkörper. *Dtsch Zahnärztl Z* 1989; 44: 62-63.
109. Robin C., Scherrer S.S., Wiskott H.W.A., Rijk W.G., Belser U.C. Weibull parameters of composite resin bond strengths to porcelain and noble alloy using the Rocatec system. *Dent Mater* 2002; 18: 389-95.
110. Rodiger O., Kappert H.F., Marinello C.P. In-vitro-Bruchlasttests von 3-gliedrigen Seitenzahnbrücken hergestellt im Procera®-Verfahren. *Schweiz Monatsschr Zahnmed* 2004; 114 (3): 207-213.
111. Rosentritt M., Plein T., Kolbeck C., Behr M., Handel G. In vitro fracture force and marginal adaption of ceramic crowns fixed on natural and artificial teeth. *Int J Prosthodont* 2000 ; 13 (5): 387-91.
112. Scherrer S.S., deRijk W.G. Fracture strength of all-ceramic crowns on supporting structure with different elastic moduli. *Int J Prosthodont* 1993; 6: 462-467.
113. Schlegel K.A., Tavor A., Zaborsky J. Das DCS-Titan-System-Ein neuer Weg in der Kronentechnik. *Quintessenz* 1991; 3: 461-68.
114. Schlegel A., Besimo C., Guggenheim R., Düggelin M. In-Vitro-Untersuchung zur marginalen Passgenauigkeit von computergesetzten Titankronen. *Schweiz Monatsschr Zahnmed* 1991; 101 (10): 1273-78.
115. Schroeder HE. *Orale Strukturbiologie*. 4. Auflage Thieme, Stuttgart 1992.
116. Schwickerath H. Zur Konstruktion von Brückenzwischengliedern. *Dtsch Zahnärztl Z* 1981; 36: 797-804.
117. Schwickerath H. Construction of the bridge framework. *Acta Stomatol Croat* 1986; 20: 49-59.
118. Schwickerath H. Materials science evaluation of ceramic crowns. *Zahnärztl Mitt* 1987; 77 (21): 2422-27.
119. Schwickerath H., Coca I. Einzelkronen aus Glaskeramik. *Phillip J Restaur Zahnmed* 1987; 4: 336-338.

120. Sindel J., Frankenberger R., Krämer N., Petschelt A. Crack formation of all-ceramic crowns dependent on different core build-up and luting materials. *J Dent* 1999; 27: 175-181.
121. Smedberg J.-I., Ekenbäck J., Lothigius E., Arvidson K. Two-year follow-up study of procera-ceramic fixed partial dentures. *Int J Prosthodont* 1998; 11 (2): 145-49.
122. Sobrinho L.C. et al. Investigation of the dry and wet fatigue properties of three all-ceramic crown systems. *Int J Prosthodont* 1998; 11 (3): 255-62.
123. Sohmura T., Takahashi J. Use of CAD/CAM system to fabricate dental prostheses. Part 1: CAD for a clinical crown restoration. *Int J Prosthodont* 1995; 8 (3): 252-58.
124. Sohmura T. Takahashi J. CAD/CAM system to fabricate dental prostheses-CAD for bridge restoration. *Dent Mater J* 1997; 16 (1): 10-20.
125. Stoll R., Stachniss V. Computer-assisted technologies in dentistry. *Dtsch Zahnärztl Z* 1990; 45 (6): 314-322.
126. Strub J.R., Beschnidt S.M. Fracture strength of 5 different all-ceramic crown systems. *Int J Prosthodont* 1998; 11 (6): 602-09.
127. Strub J.R. Vollkeramische Systeme. *Dtsch Zahnärztl Z* 1992; 47: 566-571.
128. Stumpel L.J. 3rd, Haechler W.H. The all-ceramic cantilever bridge: A variation on a theme. *Compend Contin Educ Dent* 2001; 22 (1): 45-50,52,54.
129. Sturzenegger B., Feher A., Lüthy H., Schumacher M., Loeffel O., Folser F., Kocher P., Gauckler L., Schärer P. Klinische Studie von Zirkonoxidbrücken im Seitenzahngebiet hergestellt mit dem DCM-System. *Acta Med Dent Helv* 2000; 5 (12): 132-39.
130. Suttor D. et al. LAVA-the system for all-ceramic ZrO₂ crown and bridge frameworks. *Int J Comput Dent* 2001; 4 (3): 195-206.
131. Takahashi H., Shinya A., Yokozuka S. Effects of additive oxide, repeating load on the fracture toughness of calcium phosphate crystalline ceramics (CPCC). *Shigaku* 1990; 78 (3): 505-25.
132. Tam L.E., Chan G.P., Yim D. In vitro caries inhibition effects by conventional and resin-modified glass-ionomer restorations. *Oper Dent* 1997; 22 (1): 4-14.
133. Tinschert J., Natt G., Doose B., Fischer H., Marx R. Seitenzahnbrücken aus hochfester Strukturkeramik. *Dtsch Zahnärztl Z* 1999; 54: 545-50.
134. Tinschert J., Natt G., Jorewitz A., Fischer H., Spiekermann H., Marx R. Belastbarkeit vollkeramischer Seitenzahnbrücken aus neuen Hartkernkeramiken. *Dtsch Zahnärztl Z* 2000; 55: 610-16.

135. Tinschert J., Natt G., Mautsch W., Augthun M., Spiekermann H. Fracture resistance of lithium disilicate-, alumina-, and zirconia-based three-unit fixed partial dentures: A laboratory study. *Int J Prosthodont* 2001a; 14 (3): 231-37.
136. Tinschert J., Natt G., Mautsch W., Spiekermann H., Anusavice K.J. Marginal fit of alumina-and zirconia-based fixed partial dentures produced by a CAD/CAM system. *Operative Dentistry* 2001b; 26: 367-74.
137. Tolboe H., Isidor F., Budtz-Jørgensen E., Kaaber S. Influence of pontic material on alveolar mucosal conditions. *Scand J Dent Res* 1988; 96: 442-47.
138. Tuntiprawon M., Wilson P.R. The effect of cement thickness on the fracture strength of all-ceramic crowns. *Aust Dent J* 1995; 40 (1): 17-21.
139. Weber H., Geis-Gerstorfer J., Simonis A. Voll-und Glaskeramikkronen klinisch betrachtet. *Zahnärztl Mitt* 1987; 77: 2416.
140. Weber H., Netuschil L. Biokompatibilität und Plaquewachstum bei unterschiedlichen Restaurationsmaterialien. *Dtsch Zahnärztl Z* 1992; 47: 278-281.
141. Wegner S., Gerdes W., Kern M. Effect of different artificial aging conditions on ceramic-composite bond strength. *Int J Prosthodont* 2002; 15 (3): 267-72.
142. <http://www.tu-dresden.de/medprothetik/computerzahn/CAD-CAM-Systeme.htm#2.%20Anwendungsorientierte%20Informationen>
143. Zitzmann N.U., Marinello C.P., Lüthy H. Das Vollkeramiksystem Procera AllCeram. *Schweiz. Monatsschr. Zahnmed* 1999; 109 (8): 820-29.