

DRDPDMAT - DRDP: Applied Clinical Dental Materials

[View Online](#)

[1]

Ab-Ghani, Z. et al. 2007. Effect of remineralization/demineralization cycles on mineral profiles of Fuji IX Fast in vitro using electron probe microanalysis. Australian Dental Journal . 52, 4 (Dec. 2007), 276–281. DOI:<https://doi.org/10.1111/j.1834-7819.2007.tb00502.x>.

[2]

Adabo, G.L. et al. 1999. Effect of disinfectant agents on dimensional stability of elastomeric impression materials. The Journal of Prosthetic Dentistry. 81, 5 (May 1999), 621–624. DOI:[https://doi.org/10.1016/S0022-3913\(99\)70219-2](https://doi.org/10.1016/S0022-3913(99)70219-2).

[3]

Akerboom, H.B.M. et al. 1993. Long-term evaluation and rerestoration of amalgam restorations. Community Dentistry and Oral Epidemiology. 21, 1 (Feb. 1993), 45–48. DOI:<https://doi.org/10.1111/j.1600-0528.1993.tb00718.x>.

[4]

Andersson , M. et al. 1998. PROCERA: A new way to achieve an all-ceramic crown . Quintessence International. 29, 5 (1998), 185–196.

[5]

ANUSAVICE, K. J. Strengthening of Feldspathic Porcelain by Ion Exchange and Tempering. Journal of Dental Research. 71, 71, 1134–1138.

[6]

Beier, U.S. et al. 2007. Quality of impressions using hydrophilic polyvinyl siloxane in a clinical study of 249 patients. *The International Journal of Prosthodontics*. 20, 3 (2007), 270–274.

[7]

Bergman, M.A. 1999. The Clinical performance of ceramic inlays: A review. *Australian Dental Journal*. 44, 3 (Sep. 1999), 157–168.
DOI:<https://doi.org/10.1111/j.1834-7819.1999.tb00217.x>.

[8]

Botelho, M.G. 2003. Inhibitory Effects on Selected Oral Bacteria of Antibacterial Agents Incorporated in a Glass Ionomer Cement. *Caries Research*. 37, 2 (2003), 108–114.
DOI:<https://doi.org/10.1159/000069019>.

[9]

Botelho, M.G. 2003. Inhibitory Effects on Selected Oral Bacteria of Antibacterial Agents Incorporated in a Glass Ionomer Cement. *Caries Research*. 37, 2 (2003), 108–114.
DOI:<https://doi.org/10.1159/000069019>.

[10]

BRAGA, R. et al. 2005. Factors involved in the development of polymerization shrinkage stress in resin-composites: A systematic review. *Dental Materials*. 21, 10 (Oct. 2005), 962–970. DOI:<https://doi.org/10.1016/j.dental.2005.04.018>.

[11]

Branemark, P.I. et al. 1969. Intra-Osseous Anchorage of Dental Prostheses:I. Experimental Studies, *Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery*, Informa Healthcare. *Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery*. 3, 2 (1969), 81–100. DOI:<https://doi.org/9036699>.

[12]

Bränström , M. and Nyborg, H. 1969. Points in the experiential study of pulpal response to restorative materials. *Odontologisk tidskrift*. 77, (1969), 421–426.

[13]

Brown, D. 2005. Article. Dental Update. Leading Dental Journal for CPD. 32, 10 (2005), 583-586.

[14]

Brown, D. 2004. Materials for impressions. Dental Update. Leading Dental Journal for CPD. 31, 1 (2004), 40-45.

[15]

Browne, R.M. 1994. Animal tests for biocompatibility of dental materials—relevance, advantages and limitations. *Journal of Dentistry*. 22, (Jan. 1994), S21-S24.
DOI:[https://doi.org/10.1016/0300-5712\(94\)90035-3](https://doi.org/10.1016/0300-5712(94)90035-3).

[16]

Buonocore, M.G. 1955. A simple method of increasing the adhesion of acrylic filling materials to enamel surfaces. *Journal of Dental Research*. 34, 6 (1955), 849-853.

[17]

Burke, F. 1996. Fracture resistance of teeth restored with dentin-bonded crowns: the effect of increased tooth preparation. *Quintessence international*. 27, 2 (1996), 115-121.

[18]

Burke, F. et al. 2002. Materials for Restoration of Primary Teeth: 2. Glass Ionomer Derivatives and Compomers . Dental Update. Leading Dental Journal for CPD. 29, 1 (2002), 10-17.

[19]

Burke, F. et al. 2009. The current status of materials for posterior composite restorations: the advent of low shrink. Dental Update. 36, 7 (2009), 401-409.

[20]

Burke, F. 2005. Trends in Indirect Dentistry: 3. Luting Materials . Dental Update. Leading Dental Journal for CPD. 32, 5 (2005), 251-260.

[21]

Burke, F. 2005. Trends in indirect Dentistry: 4. Performance of Adhesive Restoratives. Dental Update. Leading Dental Journal for CPD. 32, 6 (2005), 312-325.

[22]

Burke, F.J.T. and Qualtrough, A.J.E. 2000. Follow-up Evaluation of a Series of Dentin-Bonded Ceramic Restorations. Journal of Esthetic and Restorative Dentistry. 12, 1 (Jan. 2000), 16-22. DOI:<https://doi.org/10.1111/j.1708-8240.2000.tb00194.x>.

[23]

Carrotte, P. 2004. Endodontics: Part 7 Preparing the root canal. British Dental Journal. 197, 10 (Nov. 2004), 603-613. DOI:<https://doi.org/10.1038/sj.bdj.4811823>.

[24]

Ceyhan, J.A. et al. 2003. The effect of tray selection, viscosity of impression material, and sequence of pour on the accuracy of dies made from dual-arch impressions. The Journal of Prosthetic Dentistry. 90, 2 (Aug. 2003), 143-149.
DOI:[https://doi.org/10.1016/S0022-3913\(03\)00276-2](https://doi.org/10.1016/S0022-3913(03)00276-2).

[25]

Chai, J. et al. 1998. Clinically relevant mechanical properties of elastomeric impression materials. The International Journal of Prosthodontics . 11, 3 (1998), 219-223.

[26]

Chee, W. and Jivraj, S. 2006. Impression techniques for implant dentistry. British Dental Journal. 201, 7 (Oct. 2006), 429-432. DOI:<https://doi.org/10.1038/sj.bdj.4814118>.

[27]

CHEN, M. et al. 2006. Low shrinkage light curable nanocomposite for dental restorative material. *Dental Materials*. 22, 2 (Feb. 2006), 138–145.
DOI:<https://doi.org/10.1016/j.dental.2005.02.012>.

[28]

CHO, L.-R. et al. 2002. Effect of tooth brushing and thermal cycling on a surface change of ceromers finished with different methods. *Journal of Oral Rehabilitation*. 29, 9 (Sep. 2002), 816–822. DOI:<https://doi.org/10.1046/j.1365-2842.2002.00877.x>.

[29]

Chris and Ellakwa, A.E. 2003. DENTAL MATERIALS Fibre-reinforced Composites in Restorative Dentistry . *Dental Update*. Leading Dental Journal for CPD. 30, 6 (2003), 300–306.

[30]

Christensen, G. 2007. Laboratories want better impressions. *Journal of the American Dental Association*. 138, 4 (2007), 527–529.
DOI:<https://doi.org/10.14219/jada.archive.2007.0207>.

[31]

Collins, C.J. and Bryant, R.W. 1992. Finishing of amalgam restorations: a three-year clinical study. *Journal of Dentistry*. 20, 4 (Aug. 1992), 202–206.
DOI:[https://doi.org/10.1016/0300-5712\(92\)90074-M](https://doi.org/10.1016/0300-5712(92)90074-M).

[32]

Combe, E. and Burke, F. 2000. Contemporary Resin-based Composite Materials for Direct Placement Restorations: Packables, Flowables and Others. *Dental Update*. Leading Dental Journal for CPD. 27, 7 (2000), 326–336.

[33]

Conrad, H.J. et al. 2007. Current ceramic materials and systems with clinical recommendations: A systematic review. *The Journal of Prosthetic Dentistry.* 98, 5 (Nov. 2007), 389–404. DOI:[https://doi.org/10.1016/S0022-3913\(07\)60124-3](https://doi.org/10.1016/S0022-3913(07)60124-3).

[34]

Cook, W.D. and Johannson, M. 1987. The influence of postcuring on the fracture properties of photo-cured dimethacrylate based dental composite resin. *Journal of Biomedical Materials Research.* 21, 8 (Aug. 1987), 979–989.
DOI:<https://doi.org/10.1002/jbm.820210804>.

[35]

Culbertson, B.M. 2006. New polymeric materials for use in glass-ionomer cements. *Journal of Dentistry.* 34, 8 (Sep. 2006), 556–565. DOI:<https://doi.org/10.1016/j.jdent.2005.08.008>.

[36]

Davidson, C.L. and Feilzer, A.J. 1997. Polymerization shrinkage and polymerization shrinkage stress in polymer-based restoratives. *Journal of Dentistry.* 25, 6 (Nov. 1997), 435–440. DOI:[https://doi.org/10.1016/S0300-5712\(96\)00063-2](https://doi.org/10.1016/S0300-5712(96)00063-2).

[37]

De Munck, J. et al. 2005. A Critical Review of the Durability of Adhesion to Tooth Tissue: Methods and Results. *Journal of Dental Research.* 84, 2 (Feb. 2005), 118–132.
DOI:<https://doi.org/10.1177/154405910508400204>.

[38]

Denry, I. L. Effect of Ion Exchange on the Microstructure, Strength, and Thermal Expansion Behavior of a Leucite-reinforced Porcelain. Effect of Ion Exchange on the Microstructure, Strength, and Thermal Expansion Behavior of a Leucite-reinforced Porcelain. *Journal of Dental Research.* 77, 4, 583–588.

[39]

Donly, K.J. et al. 1999. A clinical comparison of resin composite inlay and onlay posterior

restorations and cast-gold restorations at 7 year . Quintessence International. 30, 3 (1999), 163-168.

[40]

Donovan, T.E. and Chee, W.W. 2004. A review of contemporary impression materials and techniques. The dental clinics of North America. 48, 2 (2004), 445-470.

[41]

Eick, G. et al. 1997. Current concepts on adhesion to dentin. Critical reviews in oral biology and medicine. 8, 3 (1997), 306-335. DOI:<https://doi.org/10.1177/10454411970080030501>.

[42]

Eley, B.M. 1997. The future of dental amalgam: a review of the literature. Part 1: Dental amalgam structure and corrosion. British Dental Journal. 182, 7 (Apr. 1997), 247-249.

[43]

Eley, B.M. 1997. The future of dental amalgam: a review of the literature. Part 2: Mercury exposure in dental practice. British Dental Journal. 182, 8 (Apr. 1997), 293-297.

[44]

Eley, B.M. 1997. The future of dental amalgam: a review of the literature. Part 3: Mercury exposure from amalgam restorations in dental patients. British Dental Journal. 182, 9 (May 1997), 333-338.

[45]

Eley, B.M. 1997. The future of dental amalgam: a review of the literature. Part 4: Mercury exposure hazards and risk assessment. British Dental Journal. 182, 10 (May 1997), 373-381. DOI:<https://doi.org/10.1038/sj.bdj.4809393>.

[46]

Eley, B.M. 1997. The future of dental amalgam: a review of the literature. Part 5: Mercury in the urine, blood and body organs from amalgam fillings. *British Dental Journal.* 182, 11 (Jun. 1997), 413-417.

[47]

Eley, B.M. 1997. The future of dental amalgam: a review of the literature. Part 6: Possible harmful effects of mercury from dental amalgam. *British Dental Journal.* 182, 12 (Jun. 1997), 455-459.

[48]

Eley, B.M. 1997. The future of dental amalgam: a review of the literature. Part 7: Possible alternative materials to amalgam for the restoration of posterior teeth. *British Dental Journal.* 183, 1 (Jul. 1997), 11-14.

[49]

Etman, M.K. and Woolford, M.J. 2010. Three-year clinical evaluation of two ceramic crown systems: A preliminary study. *The Journal of Prosthetic Dentistry.* 103, 2 (Feb. 2010), 80-90. DOI:[https://doi.org/10.1016/S0022-3913\(10\)60010-8](https://doi.org/10.1016/S0022-3913(10)60010-8).

[50]

Exterkate, R.A.M. et al. 2005. Effect of Fluoride-Releasing Filling Materials on Underlying Dentinal Lesions in vitro. *Caries Research.* 39, 6 (2005), 509-513.
DOI:<https://doi.org/10.1159/000088188>.

[51]

Federick, D. and Caputo, A. 1997. Comparing the accuracy of reversible hydrocolloid and elastomeric impression materials. *Journal of the American Dental Association.* 128, 2 (1997), 183-188. DOI:<https://doi.org/10.14219/jada.archive.1997.0162>.

[52]

Feilzer, A.J. et al. 1987. Setting stress in composite resin in relation to configuration of the restoration. *Journal of Dental Research.* 66, 11 (1987), 1636-1639.

[53]

Fissore, B. et al. 1991. Load fatigue of teeth restored by a dentin bonding agent and a posterior composite resin. *The Journal of Prosthetic Dentistry*. 65, 1 (Jan. 1991), 80–85. DOI:[https://doi.org/10.1016/0022-3913\(91\)90054-Z](https://doi.org/10.1016/0022-3913(91)90054-Z).

[54]

Frencken, J.E. et al. 1998. ART restorations and glass ionomer sealants in Zimbabwe: survival after 3 years. *Community Dentistry and Oral Epidemiology*. 26, 6 (Dec. 1998), 372–381. DOI:<https://doi.org/10.1111/j.1600-0528.1998.tb01975.x>.

[55]

Giordano, R. 2000. Impression materials: basic properties. *General dentistry*. 48, 5 (2000), 510–516.

[56]

Giordano, R. 2006. Materials for chairside CAD/CAM-produced restorations . *Journal of the American Dental Association*. 137, 9 Supp 1 (2006), S14–S21.
DOI:<https://doi.org/10.14219/jada.archive.2006.0397>.

[57]

Giordano, R.A. et al. 1995. Flexural strength of an infused ceramic, glass ceramic, and feldspathic porcelain. *The Journal of Prosthetic Dentistry*. 73, 5 (May 1995), 411–418. DOI:[https://doi.org/10.1016/S0022-3913\(05\)80067-8](https://doi.org/10.1016/S0022-3913(05)80067-8).

[58]

Gladys, S. Comparative physico-mechanical characterisation of new hybrid restorative materials with contemporary glass-ionomer and resin composite restorative materials. *Journal of Dental Research*. 76, 4, 883–894.

[59]

Goldberg, M. et al. 1994. Clinical testing of dental materials— histological considerations. *Journal of Dentistry*. 22, (Jan. 1994), S25–S28.
DOI:[https://doi.org/10.1016/0300-5712\(94\)90036-1](https://doi.org/10.1016/0300-5712(94)90036-1).

[60]

Gruythuysen, R.J.M. et al. 1996. 15-year evaluation of Class II amalgam restorations. *Community Dentistry and Oral Epidemiology*. 24, 3 (Jun. 1996), 207–210.
DOI:<https://doi.org/10.1111/j.1600-0528.1996.tb00843.x>.

[61]

Guazzato, M. et al. 2004. Strength, fracture toughness and microstructure of a selection of all-ceramic materials. Part II. Zirconia-based dental ceramics. *Dental Materials*. 20, 5 (Jun. 2004), 449–456. DOI:<https://doi.org/10.1016/j.dental.2003.05.002>.

[62]

Hannig, M. et al. 1999. Self-etching primer vs phosphoric acid: an alternative concept for composite-to-enamel bonding. *Operative dentistry*. 24, 3 (1999), 172–180.

[63]

Hashimoto, M. et al. 2000. In vivo Degradation of Resin-Dentin Bonds in Humans Over 1 to 3 Years. *Journal of Dental Research*. 79, 6 (Jun. 2000), 1385–1391.
DOI:<https://doi.org/10.1177/00220345000790060601>.

[64]

Hondrum, S.O. 2001. Changes in properties of nonaqueous elastomeric impression materials after storage of components. *The Journal of Prosthetic Dentistry*. 85, 1 (Jan. 2001), 73–81. DOI:<https://doi.org/10.1067/mpr.2001.112407>.

[65]

Hørsted-Bindslev, P. 1994. Clinical testing of dental materials— general clinical aspects. *Journal of Dentistry*. 22, (Jan. 1994), S29–S32.
DOI:[https://doi.org/10.1016/0300-5712\(94\)90037-X](https://doi.org/10.1016/0300-5712(94)90037-X).

[66]

Hu, J.-Y. et al. 2002. Restoration of teeth with more-viscous glass ionomer cements following radiation-induced caries. International Dental Journal. 52, 6 (2002), 445–448.
DOI:<https://doi.org/10.1111/j.1875-595X.2002.tb00640.x>.

[67]

Jagger, D.C. and et.al. 2007. The effect of a range of disinfectants on the dimensional accuracy and stability of some impression materials. Journal of prosthodontics and restorative dentistry. 15, 1 (2007), 23–28.

[68]

Johnson, G.H. et al. 2003. The effect of surface moisture on detail reproduction of elastomeric impressions. The Journal of Prosthetic Dentistry. 90, 4 (Oct. 2003), 354–364.
DOI:[https://doi.org/10.1016/S0022-3913\(03\)00429-3](https://doi.org/10.1016/S0022-3913(03)00429-3).

[69]

Jones, D.W. 2008. Has Dental Amalgam Been Torpedoed and Sunk? Journal of Dental Research. 87, 2 (Feb. 2008), 101–102. DOI:<https://doi.org/10.1177/154405910808700203>.

[70]

Jones, D.W. 1993. The enigma of amalgam in dentistry. Journal of the Canadian Dental Association. 59, 2 (1993), 155–166.

[71]

Kakaboura, A. et al. 1996. An FTIR study on the setting mechanism of resin-modified glass ionomer restoratives. Dental Materials. 12, 3 (1996), 173–178.
DOI:[https://doi.org/10.1016/S0109-5641\(96\)80017-0](https://doi.org/10.1016/S0109-5641(96)80017-0).

[72]

Kanehira, M. et al. 2007. Surface detail reproduction with new elastomeric dental impression materials . Quintessence International . 38, 6 (2007), 479–488.

[73]

Kent, B.E. et al. 1973. The properties of a glass ionomer cement. British Dental Journal. 135, 7 (Oct. 1973), 322–326.

[74]

Kramer, I. and McLean, J. 1952. Alterations in the staining reactions of dentine resulting from a constituent of a new self-polymerising resin. British Dental Journal . 93, (1952), 150–153.

[75]

Krämer, N. et al. 1999. IPS Empress inlays and onlays after four years — a clinical study. Journal of Dentistry. 27, 5 (Jul. 1999), 325–331.
DOI:[https://doi.org/10.1016/S0300-5712\(98\)00059-1](https://doi.org/10.1016/S0300-5712(98)00059-1).

[76]

Krämer, N. and Frankenberger, R. 2001. Dental Materials: Clinical performance of a condensable metal-reinforced glass ionomer cement in primary molars. British Dental Journal. 190, 6 (Mar. 2001), 317–321. DOI:<https://doi.org/10.1038/sj.bdj.4800960>.

[77]

Lee, S.-Y. et al. 2000. Fluoride ion diffusion from a glass-ionomer cement. Journal of Oral Rehabilitation. 27, 7 (Jul. 2000), 576–586.
DOI:<https://doi.org/10.1046/j.1365-2842.2000.00554.x>.

[78]

Leinfelder, K. 1997. New developments in resin restorative systems. The Journal of the American Dental Association. 128, 5 (1997), 573–581.
DOI:<https://doi.org/10.14219/jada.archive.1997.0256>.

[79]

Leinfelder, K. 1997. New developments in resin restorative systems. *New developments in resin restorative systems.* 128, 5 (1997), 573–581.
DOI:<https://doi.org/10.14219/jada.archive.1997.0256>.

[80]

Liebenberg, W.H. 2000. Assuring restorative integrity in extensive posterior resin composite restorations: Pushing the envelope . *Quintessence International.* 31, 3 (2000), 153–164.

[81]

Lutz, F. and Göhring, T.N. 2000. Masters of Esthetic Dentistry. *Journal of Esthetic and Restorative Dentistry.* 12, 3 (May 2000), 164–171.
DOI:<https://doi.org/10.1111/j.1708-8240.2000.tb00216.x>.

[82]

Magne, P. and Douglas, W.H. 1999. Porcelain veneers: dentin bonding optimization and biomimetic recovery of the crown. *The International journal of prosthodontics.* 12, 2 (1999), 111–121.

[83]

Martin, N. and Jedynakiewicz, N.M. 1999. Clinical performance of CEREC ceramic inlays: a systematic review. *Dental Materials.* 15, 1 (Jan. 1999), 54–61.
DOI:[https://doi.org/10.1016/S0109-5641\(99\)00014-7](https://doi.org/10.1016/S0109-5641(99)00014-7).

[84]

Martinez, J.E. et al. 2001. Rheological properties of vinyl polysiloxane impression pastes. *Dental Materials.* 17, 6 (Nov. 2001), 471–476.
DOI:[https://doi.org/10.1016/S0109-5641\(00\)00100-7](https://doi.org/10.1016/S0109-5641(00)00100-7).

[85]

Matharu, S. et al. 2001. A new in vitro model for the study of microbial microleakage

around dental restorations: a preliminary qualitative evaluation. International Endodontic Journal. 34, 7 (Oct. 2001), 547–553.
DOI:<https://doi.org/10.1046/j.1365-2591.2001.00475.x>.

[86]

McCabe, J.F. 1998. Resin-modified glass-ionomers. Biomaterials. 19, 6 (Apr. 1998), 521–527. DOI:[https://doi.org/10.1016/S0142-9612\(98\)00132-X](https://doi.org/10.1016/S0142-9612(98)00132-X).

[87]

McCabe, J.F. and Walls, A. 2008. Applied dental materials. John Wiley & Sons.

[88]

McCullagh, A. et al. 2005. Making a Good Impression (A 'How to' Paper on Dental Alginate). Dental Update. Leading Dental Journal for CPD. 32, 3 (2005), 169–175.

[89]

Millar, B.J. et al. 1998. In vitro caries inhibition by polyacid-modified composite resins ('compomers'). Journal of Dentistry. 26, 2 (Mar. 1998), 133–136.
DOI:[https://doi.org/10.1016/S0300-5712\(96\)00091-7](https://doi.org/10.1016/S0300-5712(96)00091-7).

[90]

Millar, B.J. et al. 1997. The effect of a surface wetting agent on void formation in impressions. The Journal of Prosthetic Dentistry. 77, 1 (Jan. 1997), 54–56.
DOI:[https://doi.org/10.1016/S0022-3913\(97\)70207-5](https://doi.org/10.1016/S0022-3913(97)70207-5).

[91]

Moshaverinia, A. et al. 2008. Effects of incorporation of hydroxyapatite and fluoroapatite nanobioceramics into conventional glass ionomer cements (GIC). Acta Biomaterialia. 4, 2 (Mar. 2008), 432–440. DOI:<https://doi.org/10.1016/j.actbio.2007.07.011>.

[92]

Moshaverinia, A. et al. 2009. Effects of N-vinylpyrrolidone (NVP) containing polyelectrolytes on surface properties of conventional glass-ionomer cements (GIC). *Dental Materials.* 25, 10 (Oct. 2009), 1240–1247. DOI:<https://doi.org/10.1016/j.dental.2009.05.006>.

[93]

Moshaverinia, A. et al. 2008. Modification of conventional glass-ionomer cements with N-vinylpyrrolidone containing polyacids, nano-hydroxy and fluoroapatite to improve mechanical properties. *Dental Materials.* 24, 10 (Oct. 2008), 1381–1390. DOI:<https://doi.org/10.1016/j.dental.2008.03.008>.

[94]

MOSHAVERINIA, A. et al. 2009. Synthesis and characterization of a novel fast-set proline-derivative-containing glass ionomer cement with enhanced mechanical properties. *Acta Biomaterialia.* 5, 1 (Jan. 2009), 498–507. DOI:<https://doi.org/10.1016/j.actbio.2008.06.011>.

[95]

Nakajo, K. et al. 2009. Fluoride released from glass-ionomer cement is responsible to inhibit the acid production of caries-related oral streptococci. *Dental Materials.* 25, 6 (Jun. 2009), 703–708. DOI:<https://doi.org/10.1016/j.dental.2008.10.014>.

[96]

Nakamura, T. et al. 2002. Fracture resistance of pressable glass-ceramic fixed partial dentures. *Journal of Oral Rehabilitation.* 29, 10 (Oct. 2002), 951–955. DOI:<https://doi.org/10.1046/j.1365-2842.2002.00929.x>.

[97]

Nissan, J. et al. 2000. Accuracy of three polyvinyl siloxane putty-wash impression techniques. *The Journal of Prosthetic Dentistry.* 83, 2 (Feb. 2000), 161–165. DOI:[https://doi.org/10.1016/S0022-3913\(00\)80007-4](https://doi.org/10.1016/S0022-3913(00)80007-4).

[98]

Noble, J. et al. 2008. Nickel allergy and orthodontics, a review and report of two cases. *BDJ.*

204, 6 (Mar. 2008), 297–300. DOI:<https://doi.org/10.1038/bdj.2008.198>.

[99]

Osborne, J. 2008. Amalgam: dead or alive? *Dental Update*. Leading Dental Journal for CPD. 33, 2 (2008), 94–98.

[100]

Otto, T. and De Nisco, S. 2002. Computer--aided direct ceramic restorations: A 10-year prospective clinical study of cerec CAD/CAM inlays and onlays. *The International Journal of Prosthodontics* . 15, 2 (2002), 122–128.

[101]

Palin, W. and Burke, F. 2005. Article. *Dental Update*. Leading Dental Journal for CPD. 32, 10 (2005), 566–572.

[102]

Palin, W. and Fleming, G. 2003. Low-shrink monomers for dental restorations. . *Dental Update*. 30, 3 (2003), 118–122.

[103]

Pamenius, M. and Ohlson, N.G. 1995. Influence of dimensional stability of impression materials on the probability of acceptance of a prosthetic restoration. *Biomaterials*. 16, 15 (Oct. 1995), 1193–1197. DOI:[https://doi.org/10.1016/0142-9612\(95\)93586-3](https://doi.org/10.1016/0142-9612(95)93586-3).

[104]

Peumans, M. and et.al. 2005. Clinical effectiveness of contemporary adhesives: A systematic review of current clinical trials. *Dental Materials*. 21, 9 (Sep. 2005), 864–881. DOI:<https://doi.org/10.1016/j.dental.2005.02.003>.

[105]

Ritchie, K.A. et al. 2004. Mercury vapour levels in dental practices and body mercury levels of dentists and controls. *British Dental Journal.* 197, 10 (Nov. 2004), 625–632.
DOI:<https://doi.org/10.1038/sj.bdj.4811831>.

[106]

Rosenstiel, S.F. et al. 1993. Strength of a dental glass-ceramic after surface coating. *Dental Materials.* 9, 4 (Jul. 1993), 274–279. DOI:[https://doi.org/10.1016/0109-5641\(93\)90074-Z](https://doi.org/10.1016/0109-5641(93)90074-Z).

[107]

Rothwell, M. et al. 1998. The uptake and release of fluoride by ion-leaching cements after exposure to toothpaste. *Journal of Dentistry.* 26, 7 (Sep. 1998), 591–597.
DOI:[https://doi.org/10.1016/S0300-5712\(97\)00035-3](https://doi.org/10.1016/S0300-5712(97)00035-3).

[108]

Sadowsky, S.J. 2006. An overview of treatment considerations for esthetic restorations: A review of the literature. *The Journal of Prosthetic Dentistry.* 96, 6 (Dec. 2006), 433–442.
DOI:<https://doi.org/10.1016/j.prosdent.2006.09.018>.

[109]

Sano, H. and et.al. 1995. Nanoleakage: leakage within the hybrid layer. *Operative Dentistry.* 20, 1 (1995), 18–25.

[110]

Schäfer, E. and Lau, R. 1999. Comparison of cutting efficiency and instrumentation of curved canals with nickel-titanium and stainless-steel instruments. *Journal of Endodontics.* 25, 6 (Jun. 1999), 427–430. DOI:[https://doi.org/10.1016/S0099-2399\(99\)80272-6](https://doi.org/10.1016/S0099-2399(99)80272-6).

[111]

Schmalz, G. 1994. Use of cell cultures for toxicity testing of dental materials—advantages and limitations. *Journal of Dentistry.* 22, (Jan. 1994), S6–S11.
DOI:[https://doi.org/10.1016/0300-5712\(94\)90032-9](https://doi.org/10.1016/0300-5712(94)90032-9).

[112]

Scott, A. et al. 2004. The national survey of adverse reactions to dental materials in the UK: a preliminary study by the UK Adverse Reactions Reporting Project. *British Dental Journal.* 196, 8 (Apr. 2004), 471–477. DOI:<https://doi.org/10.1038/sj.bdj.4811176>.

[113]

Sfikas, P. 1996. Can a dentist ethically remove serviceable amalgam restorations? *Journal of the American Dental Association.* 127, 5 (1996), 685–687.
DOI:<https://doi.org/10.14219/jada.archive.1996.0282>.

[114]

Shaw, A.J. et al. 1998. Fluoride release from glass-ionomer and compomer restorative materials: 6-month data. *Journal of Dentistry.* 26, 4 (May 1998), 355–359.
DOI:[https://doi.org/10.1016/S0300-5712\(97\)00016-X](https://doi.org/10.1016/S0300-5712(97)00016-X).

[115]

Sidhu, S.K. and Watson, T.F. 1995. Resin-modified glass ionomer materials. A status report for the *American Journal of Dentistry.* *American journal of dentistry.* 8, 1 (1995), 59–67.

[116]

Small, I.C.B. et al. 1998. Water sorption in resin-modified glass-ionomer cements: An in vitro comparison with other materials. *Biomaterials.* 19, 6 (Apr. 1998), 545–550.
DOI:[https://doi.org/10.1016/S0142-9612\(97\)00135-X](https://doi.org/10.1016/S0142-9612(97)00135-X).

[117]

Smith, D.C. 1998. Development of glass-ionomer cement systems. *Biomaterials.* 19, 6 (Apr. 1998), 467–478. DOI:[https://doi.org/10.1016/S0142-9612\(97\)00126-9](https://doi.org/10.1016/S0142-9612(97)00126-9).

[118]

Splieth, C. and et.al. 2003. Anaerobic microflora under Class I and Class II composite and amalgam restorations. *Quintessence international.* 34, 7 (2003), 497–503.

[119]

Stewardson, D.A. 2005. Trends in Indirect Dentistry: 5. Impression Materials and Techniques. *Dental Update. Leading Dental Journal for CPD.* 32, 7 (2005), 374–393.

[120]

Stokes, A.N. and Hood, J.A.A. 1993. Impact fracture characteristics of intact and crowned human central incisors. *Journal of Oral Rehabilitation.* 20, 1 (Jan. 1993), 89–95.
DOI:<https://doi.org/10.1111/j.1365-2842.1993.tb01518.x>.

[121]

Sune Larsson, K. 1994. Screening tests for systemic effects of dental materials. *Journal of Dentistry.* 22, (Jan. 1994), S12–S15. DOI:[https://doi.org/10.1016/0300-5712\(94\)90033-7](https://doi.org/10.1016/0300-5712(94)90033-7).

[122]

TAKAHASHI, Y. et al. 2006. Antibacterial effects and physical properties of glass-ionomer cements containing chlorhexidine for the ART approach. *Dental Materials.* 22, 7 (Jul. 2006), 647–652. DOI:<https://doi.org/10.1016/j.dental.2005.08.003>.

[123]

Tay, W.M. and Braden, M. 1988. Fluoride ion diffusion from polyalkenoate (glass-ionomer) cements. *Biomaterials.* 9, 5 (Sep. 1988), 454–456.
DOI:[https://doi.org/10.1016/0142-9612\(88\)90012-9](https://doi.org/10.1016/0142-9612(88)90012-9).

[124]

Taylor, R.L. et al. 2002. Disinfection procedures: their effect on the dimensional accuracy and surface quality of irreversible hydrocolloid impression materials and gypsum casts. *Dental Materials.* 18, 2 (Mar. 2002), 103–110.
DOI:[https://doi.org/10.1016/S0109-5641\(01\)00027-6](https://doi.org/10.1016/S0109-5641(01)00027-6).

[125]

Thompson, S.A. 2000. An overview of nickel-titanium alloys used in dentistry. International Endodontic Journal. 33, 4 (Jul. 2000), 297–310.
DOI:<https://doi.org/10.1046/j.1365-2591.2000.00339.x>.

[126]

Touati, Bernard et al. 1999. Esthetic dentistry and ceramic restorations. Martin Dunitz.

[127]

TÜRKÜN, L.S. et al. 2008. Long-Term Antibacterial Effects and Physical Properties of a Chlorhexidine-Containing Glass Ionomer Cement. Journal of Esthetic and Restorative Dentistry. 20, 1 (Feb. 2008), 29–44.
DOI:<https://doi.org/10.1111/j.1708-8240.2008.00146.x>.

[128]

Tyas , M.J. 1992. Clinical studies related to glass ionomers. Operative dentistry. Supp 5 (1992), 191–198.

[129]

Valenti, M. and Valenti , A. 2009. Retrospective survival analysis of 261 lithium disilicate crowns in a private general practice . Quintessence International. 40, 7 (2009), 573–579.

[130]

Van Landuyt, K.L. and et.al. 2007. Systematic review of the chemical composition of contemporary dental adhesives. Biomaterials. 28, 26 (Sep. 2007), 3757–3785.
DOI:<https://doi.org/10.1016/j.biomaterials.2007.04.044>.

[131]

Versluis, A. Do Dental Composites Always Shrink Toward the Light? Journal of Dental Research. 77, 6, 1435–1445.

[132]

Wadhwani, C.P.K. et al. 2005. Accuracy of newly formulated fast-setting elastomeric impression materials. *The Journal of Prosthetic Dentistry*. 93, 6 (Jun. 2005), 530–539. DOI:<https://doi.org/10.1016/j.prosdent.2005.03.007>.

[133]

Wahl , M. 2003. Dental materials: A Resin Alternative for Posterior Teeth:Questions and Answers on Dental Amalgam. *Dental Update. Leading Dental Journal for CPD*. 30, 5 (2003), 256–262.

[134]

Walker, M.P. et al. 2007. Surface Quality and Long-term Dimensional Stability of Current Elastomeric Impression Materials after Disinfection. *Journal of Prosthodontics*. 16, 5 (Sep. 2007), 343–351. DOI:<https://doi.org/10.1111/j.1532-849X.2007.00206.x>.

[135]

Walls, A.W.G. et al. 2002. Crowns and other extra-coronal restorations: Resin-bonded metal restorations. *British Dental Journal*. 193, 3 (Aug. 2002), 135–142. DOI:<https://doi.org/10.1038/sj.bdj.4801506>.

[136]

Warfvinge, G. 1994. Screening tests for sensitization potential of dental materials. *Journal of Dentistry*. 22, (Jan. 1994), S16–S20. DOI:[https://doi.org/10.1016/0300-5712\(94\)90034-5](https://doi.org/10.1016/0300-5712(94)90034-5).

[137]

Wassell, R.W. et al. 2002. Crowns and extra-coronal restorations: Materials selection. *British Dental Journal*. 192, 4 (Feb. 2002), 199–211. DOI:<https://doi.org/10.1038/sj.bdj.4801334>.

[138]

Wassell, R.W. et al. 2002. Crowns and other extra-coronal restorations: Impression

materials and technique. *British Dental Journal.* 192, 12 (Jun. 2002), 679–690.
DOI:<https://doi.org/10.1038/sj.bdj.4801456>.

[139]

Wataha, J.C. 2001. Principles of biocompatibility for dental practitioners. *The Journal of Prosthetic Dentistry.* 86, 2 (Aug. 2001), 203–209.
DOI:<https://doi.org/10.1067/mpr.2001.117056>.

[140]

Wataha, J.C. and Hanks, C.T. 1996. Biological effects of palladium and risk of using palladium in dental casting alloys. *Journal of Oral Rehabilitation.* 23, 5 (1996), 309–320.
DOI:<https://doi.org/10.1111/j.1365-2842.1996.tb00858.x>.

[141]

Wiegand, A. et al. 2007. Review on fluoride-releasing restorative materials—Fluoride release and uptake characteristics, antibacterial activity and influence on caries formation. *Dental Materials.* 23, 3 (Mar. 2007), 343–362.
DOI:<https://doi.org/10.1016/j.dental.2006.01.022>.

[142]

Wiltshire, W. et al. 1996. Article. *Quintessence International.* 27, 8 (1996), 513–520.

[143]

Xie, D. et al. 2000. Mechanical properties and microstructures of glass-ionomer cements. *Dental Materials.* 16, 2 (Mar. 2000), 129–138.
DOI:[https://doi.org/10.1016/S0109-5641\(99\)00093-7](https://doi.org/10.1016/S0109-5641(99)00093-7).

[144]

Xu, X. and Burgess, J.O. 2003. Compressive strength, fluoride release and recharge of fluoride-releasing materials. *Biomaterials.* 24, 14 (Jun. 2003), 2451–2461.
DOI:[https://doi.org/10.1016/S0142-9612\(02\)00638-5](https://doi.org/10.1016/S0142-9612(02)00638-5).

[145]

Yap, A.U.J. et al. 2003. Physico-mechanical properties of a fast-set highly viscous GIC restorative. *Journal of Oral Rehabilitation*. 30, 1 (Jan. 2003), 1–8.
DOI:<https://doi.org/10.1046/j.1365-2842.2003.01006.x>.

[146]

Young, A. 2004. FTIR investigation of monomer polymerisation and polyacid neutralisation kinetics and mechanisms in various aesthetic dental restorative materials. *Biomaterials*. 25, 5 (Feb. 2004), 823–833. DOI:[https://doi.org/10.1016/S0142-9612\(03\)00599-4](https://doi.org/10.1016/S0142-9612(03)00599-4).

[147]

Zeng, K. et al. 1998. Evaluation of Mechanical Properties of Dental Ceramic Core Materials in Combination With Porcelains . *The International journal of prosthodontics*. 11, 2 (1998), 183–189.

[148]

1998. Amalgam alternatives - micro-leakage evaluation of clinical procedures. Part I: direct composite/composite inlay/ceramic inlay. *Journal of Oral Rehabilitation*. 25, 6 (Jun. 1998), 443–447. DOI:<https://doi.org/10.1046/j.1365-2842.1998.00257.x>.