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- Ab-Ghani, Z., H. Ngo, and J. McIntyre. 2007. 'Effect of Remineralization/Demineralization Cycles on Mineral Profiles of Fuji IX Fast in Vitro Using Electron Probe Microanalysis'. *Australian Dental Journal* 52 (4): 276–81. <https://doi.org/10.1111/j.1834-7819.2007.tb00502.x>.
- Adabo, Gelson Luís, Elaine Zanarotti, Renata Garcia Fonseca, and Carlos Alberto dos Santos Cruz. 1999. 'Effect of Disinfectant Agents on Dimensional Stability of Elastomeric Impression Materials'. *The Journal of Prosthetic Dentistry* 81 (5): 621–24. [https://doi.org/10.1016/S0022-3913\(99\)70219-2](https://doi.org/10.1016/S0022-3913(99)70219-2).
- Akerboom, H. B. M., J. G. A. Advokaat, W. E. Amerongen, and P. J. Borgmeijer. 1993. 'Long-Term Evaluation and Rerestoration of Amalgam Restorations'. *Community Dentistry and Oral Epidemiology* 21 (1): 45–48. <https://doi.org/10.1111/j.1600-0528.1993.tb00718.x>.
- 'Amalgam Alternatives - Micro-Leakage Evaluation of Clinical Procedures. Part I: Direct Composite/Composite Inlay/Ceramic Inlay'. 1998. *Journal of Oral Rehabilitation* 25 (6): 443–47. <https://doi.org/10.1046/j.1365-2842.1998.00257.x>.
- Andersson, M., M.E. Razzoog, A. Oden, E.A. Hegenbarth, and B.R. Lang. 1998. 'PROCERA: A New Way to Achieve an All-Ceramic Crown'. *Quintessence International* 29 (5): 185–96.
- ANUSAVICE, K. J. n.d. 'Strengthening of Feldspathic Porcelain by Ion Exchange and Tempering.' *Journal of Dental Research* 71 (71): 1134–38.
- Beier, Ulrike Stephanie, Ingrid Grunert, Siegfried Kulmer, and Herbert Dumfahrt. 2007. 'Quality of Impressions Using Hydrophilic Polyvinyl Siloxane in a Clinical Study of 249 Patients'. *The International Journal of Prosthodontics* 20 (3): 270–74.
- Bergman, Mark A. 1999. 'The Clinical Performance of Ceramic Inlays: A Review'. *Australian Dental Journal* 44 (3): 157–68. <https://doi.org/10.1111/j.1834-7819.1999.tb00217.x>.
- Botelho, Michael G. 2003a. 'Inhibitory Effects on Selected Oral Bacteria of Antibacterial Agents Incorporated in a Glass Ionomer Cement'. *Caries Research* 37 (2): 108–14. <https://doi.org/10.1159/000069019>.
- . 2003b. 'Inhibitory Effects on Selected Oral Bacteria of Antibacterial Agents Incorporated in a Glass Ionomer Cement'. *Caries Research* 37 (2): 108–14. <https://doi.org/10.1159/000069019>.

BRAGA, R, R BALLESTER, and J FERRACANE. 2005. 'Factors Involved in the Development of Polymerization Shrinkage Stress in Resin-Composites: A Systematic Review'. *Dental Materials* 21 (10): 962-70. <https://doi.org/10.1016/j.dental.2005.04.018>.

Branemark, P I , U Breine, R Adell, O Hansson, J Lindstrom, and A Ahlsson. 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): 81-100. <https://doi.org/9036699>.

Brännström , M., and H. Nyborg. 1969. 'Points in the Experiental Study of Pulpal Response to Restorative Materials'. *Odontologisk Tidskrift* 77: 421-26.

Brown, D. 2004. 'Materials for Impressions'. *Dental Update. Leading Dental Journal for CPD* 31 (1): 40-45.

———. 2005. 'Article'. *Dental Update. Leading Dental Journal for CPD* 32 (10): 583-86.

Browne, R.M. 1994. 'Animal Tests for Biocompatibility of Dental Materials—Relevance, Advantages and Limitations'. *Journal of Dentistry* 22 (January): S21-24. [https://doi.org/10.1016/0300-5712\(94\)90035-3](https://doi.org/10.1016/0300-5712(94)90035-3).

Buonocore, M. G. 1955. 'A Simple Method of Increasing the Adhesion of Acrylic Filling Materials to Enamel Surfaces'. *Journal of Dental Research* 34 (6): 849-53. <http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=ddh&AN=36487705&site=ehost-live&scope=site>.

Burke, FJ. 1996. 'Fracture Resistance of Teeth Restored with Dentin-Bonded Crowns: The Effect of Increased Tooth Preparation.' *Quintessence International* 27 (2): 115-21.

———. 2005a. 'Trends in Indirect Dentistry: 3. Luting Materials '. *Dental Update. Leading Dental Journal for CPD* 32 (5): 251-60.

———. 2005b. 'Trends in Indirect Dentistry: 4. Performance of Adhesive Restoratives'. *Dental Update. Leading Dental Journal for CPD* 32 (6): 312-25.

Burke, FJ, WM Palin, A James, L Mackenzie, and P Sands. 2009. 'The Current Status of Materials for Posterior Composite Restorations: The Advent of Low Shrink.' *Dental Update* 36 (7): 401-9.

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

Burke, FJT, GJP Fleming, FJ Owen, and DJ Watson. 2002. 'Materials for Restoration of Primary Teeth: 2. Glass Ionomer Derivatives and Compomers '. *Dental Update. Leading Dental Journal for CPD* 29 (1): 10-17.

Carrotte, P. 2004. 'Endodontics: Part 7 Preparing the Root Canal'. *British Dental Journal* 197 (10): 603-13. <https://doi.org/10.1038/sj.bdj.4811823>.

- Ceyhan, Jeffrey A, Glen H Johnson, and Xavier Lepe. 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): 143-49. [https://doi.org/10.1016/S0022-3913\(03\)00276-2](https://doi.org/10.1016/S0022-3913(03)00276-2).
- Chai, J., Y. Takahashi, and E.P. Lautenschlager . 1998. 'Clinically Relevant Mechanical Properties of Elastomeric Impression Materials'. *The International Journal of Prosthodontics* 11 (3): 219-23.
- Chee, W, and S Jivraj. 2006. 'Impression Techniques for Implant Dentistry'. *British Dental Journal* 201 (7): 429-32. <https://doi.org/10.1038/sj.bdj.4814118>.
- CHEN, M, C CHEN, S HSU, S SUN, and W SU. 2006. 'Low Shrinkage Light Curable Nanocomposite for Dental Restorative Material'. *Dental Materials* 22 (2): 138-45. <https://doi.org/10.1016/j.dental.2005.02.012>.
- CHO, L.-R., Y.-J. YI, and S.-J. HEO. 2002. 'Effect of Tooth Brushing and Thermal Cycling on a Surface Change of Ceromers Finished with Different Methods'. *Journal of Oral Rehabilitation* 29 (9): 816-22. <https://doi.org/10.1046/j.1365-2842.2002.00877.x>.
- Chris, and Ayman E Ellakwa. 2003. 'DENTAL MATERIALS Fibre-Reinforced Composites in Restorative Dentistry '. *Dental Update. Leading Dental Journal for CPD* 30 (6): 300-306.
- Christensen, GJ. 2007. 'Laboratories Want Better Impressions'. *Journal of the American Dental Association* 138 (4): 527-29. <https://doi.org/10.14219/jada.archive.2007.0207>.
- Collins, C.J., and R.W. Bryant. 1992. 'Finishing of Amalgam Restorations: A Three-Year Clinical Study'. *Journal of Dentistry* 20 (4): 202-6. [https://doi.org/10.1016/0300-5712\(92\)90074-M](https://doi.org/10.1016/0300-5712(92)90074-M).
- Combe, EC, and FJT Burke. 2000. 'Contemporary Resin-Based Composite Materials for Direct Placement Restorations: Packables, Flowables and Others'. *Dental Update. Leading Dental Journal for CPD* 27 (7): 326-36.
- Conrad, Heather J., Wook-Jin Seong, and Igor J. Pesun. 2007. 'Current Ceramic Materials and Systems with Clinical Recommendations: A Systematic Review'. *The Journal of Prosthetic Dentistry* 98 (5): 389-404. [https://doi.org/10.1016/S0022-3913\(07\)60124-3](https://doi.org/10.1016/S0022-3913(07)60124-3).
- Cook, Wayne D., and Melinda Johannson. 1987. 'The Influence of Postcuring on the Fracture Properties of Photo-Cured Dimethacrylate Based Dental Composite Resin'. *Journal of Biomedical Materials Research* 21 (8): 979-89. <https://doi.org/10.1002/jbm.820210804>.
- Culbertson, B.M. 2006. 'New Polymeric Materials for Use in Glass-Ionomer Cements'. *Journal of Dentistry* 34 (8): 556-65. <https://doi.org/10.1016/j.jdent.2005.08.008>.
- Davidson, C.L., and A.J. Feilzer. 1997. 'Polymerization Shrinkage and Polymerization Shrinkage Stress in Polymer-Based Restoratives'. *Journal of Dentistry* 25 (6): 435-40. [https://doi.org/10.1016/S0300-5712\(96\)00063-2](https://doi.org/10.1016/S0300-5712(96)00063-2).
- 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'. *Journal of Dental Research* 84 (2): 118-32.
<https://doi.org/10.1177/154405910508400204>.

Denry, I. L. n.d. '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): 583-88.

Donly, K.J., M.E. Jensen, P. Triolo, and D. Chan. 1999. 'A Clinical Comparison of Resin Composite Inlay and Onlay Posterior Restorations and Cast-Gold Restorations at 7 Year'. *Quintessence International* 30 (3): 163-68.

Donovan, Terry E., and Winston W. Chee. 2004. 'A Review of Contemporary Impression Materials and Techniques'. *The Dental Clinics of North America* 48 (2): 445-70.

Eick, GD, AJ Gwinnett, DH Pashley, and SJ Robinson. 1997. 'Current Concepts on Adhesion to Dentin.' *Critical Reviews in Oral Biology and Medicine* 8 (3): 306-35.
<https://doi.org/10.1177/10454411970080030501>.

Eley, B M. 1997a. 'The Future of Dental Amalgam: A Review of the Literature. Part 1: Dental Amalgam Structure and Corrosion'. *British Dental Journal* 182 (7): 247-49.
<https://contentstore.cla.co.uk/secure/link?id=6bde52ce-e26f-e811-80cd-005056af4099>.

Eley, B. M. 1997b. 'The Future of Dental Amalgam: A Review of the Literature. Part 2: Mercury Exposure in Dental Practice'. *British Dental Journal* 182 (8): 293-97.
<https://contentstore.cla.co.uk/secure/link?id=0b90535a-e06f-e811-80cd-005056af4099>.

———. 1997c. '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): 333-38.
<https://contentstore.cla.co.uk/secure/link?id=bc870e94-b470-e811-80cd-005056af4099>.

———. 1997d. 'The Future of Dental Amalgam: A Review of the Literature. Part 4: Mercury Exposure Hazards and Risk Assessment'. *British Dental Journal* 182 (10): 373-81.
<https://doi.org/10.1038/sj.bdj.4809393>.

———. 1997e. '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): 413-17.

———. 1997f. '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): 455-59.
<https://contentstore.cla.co.uk/secure/link?id=5bcaeea4-b370-e811-80cd-005056af4099>.

———. 1997g. '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): 11-14.
<https://contentstore.cla.co.uk/secure/link?id=36aac76f-b370-e811-80cd-005056af4099>.

Etman, Maged K., and M.J. Woolford. 2010. 'Three-Year Clinical Evaluation of Two Ceramic

- Crown Systems: A Preliminary Study'. *The Journal of Prosthetic Dentistry* 103 (2): 80-90. [https://doi.org/10.1016/S0022-3913\(10\)60010-8](https://doi.org/10.1016/S0022-3913(10)60010-8).
- Exterkate, R.A.M., J.J.M. Damen, and J.M. ten Cate. 2005. 'Effect of Fluoride-Releasing Filling Materials on Underlying Dentinal Lesions in Vitro'. *Caries Research* 39 (6): 509-13. <https://doi.org/10.1159/000088188>.
- Federick, DR, and A Caputo. 1997. 'Comparing the Accuracy of Reversible Hydrocolloid and Elastomeric Impression Materials'. *Journal of the American Dental Association* 128 (2): 183-88. <https://doi.org/10.14219/jada.archive.1997.0162>.
- Feilzer, A. J., A. J. De Gee, and C. L. Davidson. 1987. 'Setting Stress in Composite Resin in Relation to Configuration of the Restoration'. *Journal of Dental Research* 66 (11): 1636-39. <http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=ddh&AN=36543133&site=ehost-live&scope=site>.
- Fissore, Bruno, Jack I. Nicholls, and Ralph A. Yuodelis. 1991. 'Load Fatigue of Teeth Restored by a Dentin Bonding Agent and a Posterior Composite Resin'. *The Journal of Prosthetic Dentistry* 65 (1): 80-85. [https://doi.org/10.1016/0022-3913\(91\)90054-Z](https://doi.org/10.1016/0022-3913(91)90054-Z).
- Frencken, Jo E., Fiona Makoni, and Wilson D. Sithole. 1998. 'ART Restorations and Glass Ionomer Sealants in Zimbabwe: Survival after 3 Years'. *Community Dentistry and Oral Epidemiology* 26 (6): 372-81. <https://doi.org/10.1111/j.1600-0528.1998.tb01975.x>.
- Giordano, R. 2000. 'Impression Materials: Basic Properties.' *General Dentistry* 48 (5): 510-16. <https://contentstore.cla.co.uk/secure/link?id=fdd2082b-0773-e811-80cd-005056af4099>.
- . 2006. 'Materials for Chairside CAD/CAM-Produced Restorations'. *Journal of the American Dental Association* 137 (9 Supp 1): S14-21. <https://doi.org/10.14219/jada.archive.2006.0397>.
- Giordano, Russell A., Lionel Pelletier, Stephen Campbell, and Richard Pober. 1995. 'Flexural Strength of an Infused Ceramic, Glass Ceramic, and Feldspathic Porcelain'. *The Journal of Prosthetic Dentistry* 73 (5): 411-18. [https://doi.org/10.1016/S0022-3913\(05\)80067-8](https://doi.org/10.1016/S0022-3913(05)80067-8).
- Gladys, S. n.d. 'Comparative Physico-Mechanical Characterisation of New Hybrid Restorative Materials with Contemporary Glass-Ionomer and Resin Composite Restorative Materials'. *Journal of Dental Research* 76 (4): 883-94.
- Goldberg, M., J.J. Lasfargues, and J.M. Legrand. 1994. 'Clinical Testing of Dental Materials—Histological Considerations'. *Journal of Dentistry* 22 (January): S25-28. [https://doi.org/10.1016/0300-5712\(94\)90036-1](https://doi.org/10.1016/0300-5712(94)90036-1).
- Gruythuysen, R. J. M., C. M. Kreulen, H. Tobi, E. Amerongen, and H. B. M. Akerboom. 1996. '15-Year Evaluation of Class II Amalgam Restorations'. *Community Dentistry and Oral Epidemiology* 24 (3): 207-10. <https://doi.org/10.1111/j.1600-0528.1996.tb00843.x>.
- Guazzato, Massimiliano, Mohammad Albakry, Simon P Ringer, and Michael V Swain. 2004. 'Strength, Fracture Toughness and Microstructure of a Selection of All-Ceramic Materials.

Part II. Zirconia-Based Dental Ceramics'. *Dental Materials* 20 (5): 449–56.
<https://doi.org/10.1016/j.dental.2003.05.002>.

Hannig, M, KJ Reinhardt, and B Bott. 1999. 'Self-Etching Primer vs Phosphoric Acid: An Alternative Concept for Composite-to-Enamel Bonding'. *Operative Dentistry* 24 (3): 172–80.

Hashimoto, M., H. Ohno, M. Kaga, K. Endo, H. Sano, and H. Oguchi. 2000. 'In Vivo Degradation of Resin-Dentin Bonds in Humans Over 1 to 3 Years'. *Journal of Dental Research* 79 (6): 1385–91. <https://doi.org/10.1177/00220345000790060601>.

Hondrum, Steven O. 2001. 'Changes in Properties of Nonaqueous Elastomeric Impression Materials after Storage of Components'. *The Journal of Prosthetic Dentistry* 85 (1): 73–81. <https://doi.org/10.1067/mpr.2001.112407>.

Hörsted-Bindslev, P. 1994. 'Clinical Testing of Dental Materials— General Clinical Aspects'. *Journal of Dentistry* 22 (January): S29–32. [https://doi.org/10.1016/0300-5712\(94\)90037-X](https://doi.org/10.1016/0300-5712(94)90037-X).

Hu, J.-Y., Y.-Q. Li, R.J. Smales, and K.H.-K. Yip. 2002. 'Restoration of Teeth with More-Viscous Glass Ionomer Cements Following Radiation-Induced Caries'. *International Dental Journal* 52 (6): 445–48. <https://doi.org/10.1111/j.1875-595X.2002.tb00640.x>.

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): 23–28.

Johnson, Glen H, Xavier Lepe, and Tar Chee Aw. 2003. 'The Effect of Surface Moisture on Detail Reproduction of Elastomeric Impressions'. *The Journal of Prosthetic Dentistry* 90 (4): 354–64. [https://doi.org/10.1016/S0022-3913\(03\)00429-3](https://doi.org/10.1016/S0022-3913(03)00429-3).

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

Jones, Derek W. 1993. 'The Enigma of Amalgam in Dentistry.' *Journal of the Canadian Dental Association* 59 (2): 155–66.

Kakaboura, Afrodite, George Eliades, and George Palaghias. 1996. 'An FTIR Study on the Setting Mechanism of Resin-Modified Glass Ionomer Restoratives'. *Dental Materials* 12 (3): 173–78. [https://doi.org/10.1016/S0109-5641\(96\)80017-0](https://doi.org/10.1016/S0109-5641(96)80017-0).

Kanehira, Masafumi , Werner Finger, and Masashi Komatsu. 2007. 'Surface Detail Reproduction with New Elastomeric Dental Impression Materials '. *Quintessence International* 38 (6): 479–88.

Kent, B. E., B. G. Lewis, and A. D. Wilson. 1973. 'The Properties of a Glass Ionomer Cement'. *British Dental Journal* 135 (7): 322–26.

Kramer, IRH, and JW McLean. 1952. 'Alterations in the Staining Reactions of Dentine Resulting from a Constituent of a New Self-Polymerising Resin'. *British Dental Journal* 93: 150–53.

- Krämer, N., and R Frankenberg. 2001. 'Dental Materials: Clinical Performance of a Condensable Metal-Reinforced Glass Ionomer Cement in Primary Molars'. *British Dental Journal* 190 (6): 317-21. <https://doi.org/10.1038/sj.bdj.4800960>.
- Krämer, N., R. Frankenberg, M. Pelka, and A. Petschelt. 1999. 'IPS Empress Inlays and Onlays after Four Years — a Clinical Study'. *Journal of Dentistry* 27 (5): 325-31. [https://doi.org/10.1016/S0300-5712\(98\)00059-1](https://doi.org/10.1016/S0300-5712(98)00059-1).
- Lee, S.-Y., D.-R. Dong, H.-M. Huang, and Y.-H. Shih. 2000. 'Fluoride Ion Diffusion from a Glass-Ionomer Cement'. *Journal of Oral Rehabilitation* 27 (7): 576-86. <https://doi.org/10.1046/j.1365-2842.2000.00554.x>.
- Leinfelder, KF. 1997a. 'New Developments in Resin Restorative Systems'. *The Journal of the American Dental Association* 128 (5): 573-81. <https://doi.org/10.14219/jada.archive.1997.0256>.
- . 1997b. 'New Developments in Resin Restorative Systems'. *New Developments in Resin Restorative Systems* 128 (5): 573-81. <https://doi.org/10.14219/jada.archive.1997.0256>.
- Liebenberg, William H. 2000. 'Assuring Restorative Integrity in Extensive Posterior Resin Composite Restorations: Pushing the Envelope'. *Quintessence International* 31 (3): 153-64.
- Lutz, Felix, and Till N. Göhring. 2000. 'Masters of Esthetic Dentistry.' *Journal of Esthetic and Restorative Dentistry* 12 (3): 164-71. <https://doi.org/10.1111/j.1708-8240.2000.tb00216.x>.
- Magne, P., and W.H. Douglas. 1999. 'Porcelain Veneers: Dentin Bonding Optimization and Biomimetic Recovery of the Crown'. *The International Journal of Prosthodontics* 12 (2): 111-21.
- Martin, N., and N.M. Jedyakiewicz. 1999. 'Clinical Performance of CEREC Ceramic Inlays: A Systematic Review'. *Dental Materials* 15 (1): 54-61. [https://doi.org/10.1016/S0109-5641\(99\)00014-7](https://doi.org/10.1016/S0109-5641(99)00014-7).
- Martinez, Javier E., Edward C. Combe, and Igor J. Pesun. 2001. 'Rheological Properties of Vinyl Polysiloxane Impression Pastes'. *Dental Materials* 17 (6): 471-76. [https://doi.org/10.1016/S0109-5641\(00\)00100-7](https://doi.org/10.1016/S0109-5641(00)00100-7).
- Matharu, S., D. A. Spratt, J. Pratten, Y-L. Ng, N. Mordan, M. Wilson, and K. Gulabivala. 2001. 'A New in Vitro Model for the Study of Microbial Microleakage around Dental Restorations: A Preliminary Qualitative Evaluation'. *International Endodontic Journal* 34 (7): 547-53. <https://doi.org/10.1046/j.1365-2591.2001.00475.x>.
- McCabe, J. F., and Angus Walls. 2008. *Applied Dental Materials*. Electronic resource. 9th ed. Chichester: John Wiley & Sons. <https://www.123library.org/ebook/id/3663>.
- McCabe, John F. 1998. 'Resin-Modified Glass-Ionomers'. *Biomaterials* 19 (6): 521-27. [https://doi.org/10.1016/S0142-9612\(98\)00132-X](https://doi.org/10.1016/S0142-9612(98)00132-X).

McCullagh, Anthony, Christopher Sweet, and Martin Ashley. 2005. 'Making a Good Impression (A "How to" Paper on Dental Alginate)'. *Dental Update. Leading Dental Journal for CPD* 32 (3): 169–75.

Millar, B.J., F. Abider, and J.W. Nicholson. 1998. 'In Vitro Caries Inhibition by Polyacid-Modified Composite Resins ("Compomers")'. *Journal of Dentistry* 26 (2): 133–36. [https://doi.org/10.1016/S0300-5712\(96\)00091-7](https://doi.org/10.1016/S0300-5712(96)00091-7).

Millar, Brian J., Stephen M. Dunne, and P. Brett Robinson. 1997. 'The Effect of a Surface Wetting Agent on Void Formation in Impressions'. *The Journal of Prosthetic Dentistry* 77 (1): 54–56. [https://doi.org/10.1016/S0022-3913\(97\)70207-5](https://doi.org/10.1016/S0022-3913(97)70207-5).

MOSHAVERINIA, A, N ROOHPUR, and I REHMAN. 2009. 'Synthesis and Characterization of a Novel Fast-Set Proline-Derivative-Containing Glass Ionomer Cement with Enhanced Mechanical Properties'. *Acta Biomaterialia* 5 (1): 498–507. <https://doi.org/10.1016/j.actbio.2008.06.011>.

Moshaverinia, Alireza, Sahar Ansari, Maryam Moshaverinia, Nima Roohpour, Jawwad A. Darr, and Ihtesham Rehman. 2008. 'Effects of Incorporation of Hydroxyapatite and Fluoroapatite Nanobioceramics into Conventional Glass Ionomer Cements (GIC)'. *Acta Biomaterialia* 4 (2): 432–40. <https://doi.org/10.1016/j.actbio.2007.07.011>.

Moshaverinia, Alireza, Sahar Ansari, Zanyar Movasaghi, Richard W. Billington, Jawwad A. Darr, and Ihtesham U. Rehman. 2008. 'Modification of Conventional Glass-Ionomer Cements with N-Vinylpyrrolidone Containing Polyacids, Nano-Hydroxy and Fluoroapatite to Improve Mechanical Properties'. *Dental Materials* 24 (10): 1381–90. <https://doi.org/10.1016/j.dental.2008.03.008>.

Moshaverinia, Alireza, Nima Roohpour, Sahar Ansari, Maryam Moshaverinia, Scott Schricker, Jawwad A. Darr, and Ihtesham U. Rehman. 2009. 'Effects of N-Vinylpyrrolidone (NVP) Containing Polyelectrolytes on Surface Properties of Conventional Glass-Ionomer Cements (GIC)'. *Dental Materials* 25 (10): 1240–47. <https://doi.org/10.1016/j.dental.2009.05.006>.

Nakajo, Kazuko, Satoshi Imazato, Yusuke Takahashi, Wakako Kiba, Shigeyuki Ebisu, and Nobuhiro Takahashi. 2009. 'Fluoride Released from Glass-Ionomer Cement Is Responsible to Inhibit the Acid Production of Caries-Related Oral Streptococci'. *Dental Materials* 25 (6): 703–8. <https://doi.org/10.1016/j.dental.2008.10.014>.

Nakamura, T., T. Ohyama, A. Imanishi, T. Nakamura, and S. Ishigaki. 2002. 'Fracture Resistance of Pressable Glass-Ceramic Fixed Partial Dentures'. *Journal of Oral Rehabilitation* 29 (10): 951–55. <https://doi.org/10.1046/j.1365-2842.2002.00929.x>.

Nissan, Joseph, Ben-Zion Laufer, Tamar Brosh, and David Assif. 2000. 'Accuracy of Three Polyvinyl Siloxane Putty-Wash Impression Techniques'. *The Journal of Prosthetic Dentistry* 83 (2): 161–65. [https://doi.org/10.1016/S0022-3913\(00\)80007-4](https://doi.org/10.1016/S0022-3913(00)80007-4).

Noble, J., S. I. Ahing, N. E. Karaiskos, and W. A. Wiltshire. 2008. 'Nickel Allergy and Orthodontics, a Review and Report of Two Cases'. *BDJ* 204 (6): 297–300. <https://doi.org/10.1038/bdj.2008.198>.

- Osborne, JW. 2008. 'Amalgam: Dead or Alive?' *Dental Update. Leading Dental Journal for CPD* 33 (2): 94–98.
- Otto, Tobias, and Sabatino De Nisco. 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): 122–28.
- Palin, W, and FJ Burke. 2005. 'Article'. *Dental Update. Leading Dental Journal for CPD* 32 (10): 566–72.
- Palin, WM, and GJ Fleming. 2003. 'Low-Shrink Monomers for Dental Restorations. '. *Dental Update* 30 (3): 118–22.
- Pamenius, M., and N.G. Ohlson. 1995. 'Influence of Dimensional Stability of Impression Materials on the Probability of Acceptance of a Prosthetic Restoration'. *Biomaterials* 16 (15): 1193–97. [https://doi.org/10.1016/0142-9612\(95\)93586-3](https://doi.org/10.1016/0142-9612(95)93586-3).
- Peumans, M., and et.al. 2005. 'Clinical Effectiveness of Contemporary Adhesives: A Systematic Review of Current Clinical Trials'. *Dental Materials* 21 (9): 864–81. <https://doi.org/10.1016/j.dental.2005.02.003>.
- Ritchie, K A, F J T Burke, W H Gilmour, E B Macdonald, I M Dale, R M Hamilton, D A McGowan, V Binnie, D Collington, and R Hammersley. 2004. 'Mercury Vapour Levels in Dental Practices and Body Mercury Levels of Dentists and Controls'. *British Dental Journal* 197 (10): 625–32. <https://doi.org/10.1038/sj.bdj.4811831>.
- Rosenstiel, S.F., P.K. Gupta, R.A. Van Der Sluys, and M.H. Zimmerman. 1993. 'Strength of a Dental Glass-Ceramic after Surface Coating'. *Dental Materials* 9 (4): 274–79. [https://doi.org/10.1016/0109-5641\(93\)90074-Z](https://doi.org/10.1016/0109-5641(93)90074-Z).
- Rothwell, M, H.M Anstice, and G.J Pearson. 1998. 'The Uptake and Release of Fluoride by Ion-Leaching Cements after Exposure to Toothpaste'. *Journal of Dentistry* 26 (7): 591–97. [https://doi.org/10.1016/S0300-5712\(97\)00035-3](https://doi.org/10.1016/S0300-5712(97)00035-3).
- Sadowsky, Steven Judd. 2006. 'An Overview of Treatment Considerations for Esthetic Restorations: A Review of the Literature'. *The Journal of Prosthetic Dentistry* 96 (6): 433–42. <https://doi.org/10.1016/j.prosdent.2006.09.018>.
- Sano, H., and et.al. 1995. 'Nanoleakage: Leakage within the Hybrid Layer.' *Operative Dentistry* 20 (1): 18–25.
- Schäfer, Edgar, and Robert Lau. 1999. 'Comparison of Cutting Efficiency and Instrumentation of Curved Canals with Nickel-Titanium and Stainless-Steel Instruments'. *Journal of Endodontics* 25 (6): 427–30. [https://doi.org/10.1016/S0099-2399\(99\)80272-6](https://doi.org/10.1016/S0099-2399(99)80272-6).
- Schmalz, G. 1994. 'Use of Cell Cultures for Toxicity Testing of Dental Materials—Advantages and Limitations'. *Journal of Dentistry* 22 (January): S6–11. [https://doi.org/10.1016/0300-5712\(94\)90032-9](https://doi.org/10.1016/0300-5712(94)90032-9).
- Scott, A, W Egner, D J Gawkrödger, P V Hatton, M Sherriff, R van Noort, C Yeoman, and J Grummitt. 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): 471-77. <https://doi.org/10.1038/sj.bdj.4811176>.
- Sfikas, PM. 1996. 'Can a Dentist Ethically Remove Serviceable Amalgam Restorations?' *Journal of the American Dental Association* 127 (5): 685-87. <https://doi.org/10.14219/jada.archive.1996.0282>.
- Shaw, A.J., T. Carrick, and J.F. McCabe. 1998. 'Fluoride Release from Glass-Ionomer and Compomer Restorative Materials: 6-Month Data'. *Journal of Dentistry* 26 (4): 355-59. [https://doi.org/10.1016/S0300-5712\(97\)00016-X](https://doi.org/10.1016/S0300-5712(97)00016-X).
- Sidhu, S.K., and T.F. Watson. 1995. 'Resin-Modified Glass Ionomer Materials. A Status Report for the American Journal of Dentistry.' *American Journal of Dentistry* 8 (1): 59-67.
- Small, I.C.B., T.F. Watson, A.V. Chadwick, and S.K. Sidhu. 1998. 'Water Sorption in Resin-Modified Glass-Ionomer Cements: An in Vitro Comparison with Other Materials'. *Biomaterials* 19 (6): 545-50. [https://doi.org/10.1016/S0142-9612\(97\)00135-X](https://doi.org/10.1016/S0142-9612(97)00135-X).
- Smith, Dennis C. 1998. 'Development of Glass-Ionomer Cement Systems'. *Biomaterials* 19 (6): 467-78. [https://doi.org/10.1016/S0142-9612\(97\)00126-9](https://doi.org/10.1016/S0142-9612(97)00126-9).
- Splieth, C, and et.al. 2003. 'Anaerobic Microflora under Class I and Class II Composite and Amalgam Restorations'. *Quintessence International* 34 (7): 497-503. <http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=ddh&AN=37298503&site=ehost-live&scope=site>.
- Stewardson, D.A. 2005. 'Trends in Indirect Dentistry: 5. Impression Materials and Techniques'. *Dental Update. Leading Dental Journal for CPD* 32 (7): 374-93.
- Stokes, A.N., and J.A.A. Hood. 1993. 'Impact Fracture Characteristics of Intact and Crowned Human Central Incisors'. *Journal of Oral Rehabilitation* 20 (1): 89-95. <https://doi.org/10.1111/j.1365-2842.1993.tb01518.x>.
- Sune Larsson, K. 1994. 'Screening Tests for Systemic Effects of Dental Materials'. *Journal of Dentistry* 22 (January): S12-15. [https://doi.org/10.1016/0300-5712\(94\)90033-7](https://doi.org/10.1016/0300-5712(94)90033-7).
- TAKAHASHI, Y, S IMAZATO, A KANESHIRO, S EBISU, J FRENCKEN, and F TAY. 2006. 'Antibacterial Effects and Physical Properties of Glass-Ionomer Cements Containing Chlorhexidine for the ART Approach'. *Dental Materials* 22 (7): 647-52. <https://doi.org/10.1016/j.dental.2005.08.003>.
- Tay, W.M., and M. Braden. 1988. 'Fluoride Ion Diffusion from Polyalkenoate (Glass-Ionomer) Cements'. *Biomaterials* 9 (5): 454-56. [https://doi.org/10.1016/0142-9612\(88\)90012-9](https://doi.org/10.1016/0142-9612(88)90012-9).
- Taylor, Rebecca L., Paul S. Wright, and Christopher Maryan. 2002. 'Disinfection Procedures: Their Effect on the Dimensional Accuracy and Surface Quality of Irreversible Hydrocolloid Impression Materials and Gypsum Casts'. *Dental Materials* 18 (2): 103-10. [https://doi.org/10.1016/S0109-5641\(01\)00027-6](https://doi.org/10.1016/S0109-5641(01)00027-6).
- Thompson, S. A. 2000. 'An Overview of Nickel-Titanium Alloys Used in Dentistry'.

International Endodontic Journal 33 (4): 297–310.
<https://doi.org/10.1046/j.1365-2591.2000.00339.x>.

Touati, Bernard, Miara, Paul, and Nathanson, Dan. 1999. *Esthetic Dentistry and Ceramic Restorations*. London: Martin Dunitz. <https://doi.org/10.1201/9781003040002>.

TÜRKÜN, L. S, EBNEM, MURAT TÜRKÜN, FAHINUR ERTUG̃RUL, MUSTAFA ATES, , and STEFAN BRUGGER. 2008. 'Long-Term Antibacterial Effects and Physical Properties of a Chlorhexidine-Containing Glass Ionomer Cement'. *Journal of Esthetic and Restorative Dentistry* 20 (1): 29–44. <https://doi.org/10.1111/j.1708-8240.2008.00146.x>.

Tyas , M.J. 1992. 'Clinical Studies Related to Glass Ionomers'. *Operative Dentistry*, no. Supp 5: 191–98.

Valenti, Marco , and Alessandro Valenti . 2009. 'Retrospective Survival Analysis of 261 Lithium Disilicate Crowns in a Private General Practice '. *Quintessence International* 40 (7): 573–79.

Van Landuyt, Kirsten L., and et.al. 2007. 'Systematic Review of the Chemical Composition of Contemporary Dental Adhesives'. *Biomaterials* 28 (26): 3757–85.
<https://doi.org/10.1016/j.biomaterials.2007.04.044>.

Versluis, A. n.d. 'Do Dental Composites Always Shrink Toward the Light?' *Journal of Dental Research* 77 (6): 1435–45.

Wadhvani, Chandur P.K., Glen H. Johnson, Xavier Lepe, and Ariel J. Raigrodski. 2005. 'Accuracy of Newly Formulated Fast-Setting Elastomeric Impression Materials'. *The Journal of Prosthetic Dentistry* 93 (6): 530–39. <https://doi.org/10.1016/j.prosdent.2005.03.007>.

Wahl , Mj. 2003. 'Dental Materials: A Resin Alternative for Posterior Teeth: Questions and Answers on Dental Amalgam'. *Dental Update. Leading Dental Journal for CPD* 30 (5): 256–62.

Walker, Mary P., Meagan Rondeau, Cynthia Petrie, Amy Tasca, and Karen Williams. 2007. 'Surface Quality and Long-Term Dimensional Stability of Current Elastomeric Impression Materials after Disinfection'. *Journal of Prosthodontics* 16 (5): 343–51.
<https://doi.org/10.1111/j.1532-849X.2007.00206.x>.

Walls, A W G, F S A Nohl, and R W Wassell. 2002. 'Crowns and Other Extra-Coronal Restorations: Resin-Bonded Metal Restorations'. *British Dental Journal* 193 (3): 135–42.
<https://doi.org/10.1038/sj.bdj.4801506>.

Warfvinge, G. 1994. 'Screening Tests for Sensitization Potential of Dental Materials'. *Journal of Dentistry* 22 (January): S16–20. [https://doi.org/10.1016/0300-5712\(94\)90034-5](https://doi.org/10.1016/0300-5712(94)90034-5).

Wassell, R W, D Barker, and A W G Walls. 2002. 'Crowns and Other Extra-Coronal Restorations: Impression Materials and Technique'. *British Dental Journal* 192 (12): 679–90.
<https://doi.org/10.1038/sj.bdj.4801456>.

Wassell, R W, A W G Walls, and J G Steele. 2002. 'Crowns and Extra-Coronal Restorations:

Materials Selection'. *British Dental Journal* 192 (4): 199–211.
<https://doi.org/10.1038/sj.bdj.4801334>.

Wataha, J.C., and C.T. Hanks. 1996. 'Biological Effects of Palladium and Risk of Using Palladium in Dental Casting Alloys'. *Journal of Oral Rehabilitation* 23 (5): 309–20.
<https://doi.org/10.1111/j.1365-2842.1996.tb00858.x>.

Wataha, John C. 2001. 'Principles of Biocompatibility for Dental Practitioners'. *The Journal of Prosthetic Dentistry* 86 (2): 203–9. <https://doi.org/10.1067/mpr.2001.117056>.

Wiegand, Annette, Wolfgang Buchalla, and Thomas Attin. 2007. 'Review on Fluoride-Releasing Restorative Materials—Fluoride Release and Uptake Characteristics, Antibacterial Activity and Influence on Caries Formation'. *Dental Materials* 23 (3): 343–62.
<https://doi.org/10.1016/j.dental.2006.01.022>.

Wiltshire, WA, MR Ferreira, and AJ Ligthelm. 1996. 'Article'. *Quintessence International* 27 (8): 513–20.
[http://www.quintpub.com/journals/qi/abstract.php?iss2_id=474&article_id=5776&article=2&title=Allergies to dental materials](http://www.quintpub.com/journals/qi/abstract.php?iss2_id=474&article_id=5776&article=2&title=Allergies%20to%20dental%20materials).

Xie, D., W.A. Brantley, B.M. Culbertson, and G. Wang. 2000. 'Mechanical Properties and Microstructures of Glass-Ionomer Cements'. *Dental Materials* 16 (2): 129–38.
[https://doi.org/10.1016/S0109-5641\(99\)00093-7](https://doi.org/10.1016/S0109-5641(99)00093-7).

Xu, Xiaoming, and John O. Burgess. 2003. 'Compressive Strength, Fluoride Release and Recharge of Fluoride-Releasing Materials'. *Biomaterials* 24 (14): 2451–61.
[https://doi.org/10.1016/S0142-9612\(02\)00638-5](https://doi.org/10.1016/S0142-9612(02)00638-5).

Yap, A. U. J., Y. S. Pek, and P. Cheang. 2003. 'Physico-Mechanical Properties of a Fast-Set Highly Viscous GIC Restorative'. *Journal of Oral Rehabilitation* 30 (1): 1–8.
<https://doi.org/10.1046/j.1365-2842.2003.01006.x>.

Young, A. 2004. 'FTIR Investigation of Monomer Polymerisation and Polyacid Neutralisation Kinetics and Mechanisms in Various Aesthetic Dental Restorative Materials'. *Biomaterials* 25 (5): 823–33. [https://doi.org/10.1016/S0142-9612\(03\)00599-4](https://doi.org/10.1016/S0142-9612(03)00599-4).

Zeng, K., A. Oden, and D. Rowcliffe. 1998. 'Evaluation of Mechanical Properties of Dental Ceramic Core Materials in Combination With Porcelains'. *The International Journal of Prosthodontics* 11 (2): 183–89.