

## Bibliografia

- Akashi A., Matsuya Y., Unemori M. and Akamine A. (1999). The relationship between water absorption characteristics and the mechanical strength of resin-modified glass-ionomer cements in long-term water storage. *Biomaterial* **20**, 1573-1578.
- Albers H. (1985). Tooth Colored Restoratives: A. Syllabus for Selection, Placement and Finishing. *7th edition Cotati, Calif. Alto Books.*
- Amaral C., De Castro K., Pimenta A., and Ambrosiano M.(2002). Influence of resin composite polymerization techniques microleakage and microhardness. *Quintessence Int* **33** (9), 685-689.
- American Dental Association.(2003). Resin based composites. *J Am Dent Assoc* **134**, 510-512.
- Asmussen E., and Uno S. (1992) .Adhesion of restorative resins to dentin: chemical and physiochemical aspects. *Oper Dent* **195**, 68-74.
- Bandyopadhyay S. (1982). A study of the volumetric setting shrinkage of some dental materials. *J Biomed Mater Res* **16**, 135-144.

## Bibliografia

Becher R., Kopperud H., Ronald H., Jan Tore Samuelsena, Morisbak E., and Hans Jörgen Dahlman. (2006) . Pattern of cell death after in vitro exposure to GDMA, TEGDMA, HEMA and two compomer extracts. *Dent Mater* **22**, 630–640.

Bouillaguet S., Shaw L., Gonzalez L., Wataha J. and Krejci I. (2002). Long-term cytotoxicity of resin-based dental restorative materials. *Journal of Oral Rehabilitation* **29**, 7-13.

Bowen R. and Marjenhoff W. (1992). Dental composite-glass ionomers: the materials. *Adv Dent Res* **6**, 44-49.

Brannstrom M. (1982). Dentine and pulp in restorative dentistry. *Wolfe Medical Publications L.T.D., London.*

Braem M., Lambrechts P. and Vanherle G.(1984). Physical and mechanical properties of dental composites. *Actual Odontostomatol* **147**,385-409.

Buonocore DH. (1955). A simple method of increasing the adhesion of acryl filling materials to enamel surfaces. *J Dent Res* **34**,849-853.

Burgess J. (1999). Reaction of polymerization. *Pract Periodont Aesthet Dent* **1**, 125-138.

## Bibliografia

Cattani-Lorente A., Dupuis V., Moya F., Payan J. and Meyer M. (1998). Effect of water on the physical properties of resin-modified glass ionomer cements. *Dent Mater* **15**, 71-78.

Chung K. and Greener E. (1990). Correlation between degree of conversion, filler concentration and mechanical properties of posterior composite resins. *J Oral Rehabil* **17**, 487-494.

Ciapetti G, Granchi D, Verri E, et al. False positive results in cytotoxicity testing due to unexpectedly volatile compounds. (1998). *J Biomed Mater Res* **39**, 286–291.

Craig RG. (1997). Restorative dental materials 10, *Mosby Publishing Co, St. Louis, MO*.

Cohen J. (1993). Apoptosis: the physiologic pathway of cell death. *Hospital Practitioner* **28**, 35-43.

Cook W. and Standish P. (1983). Polymerization kinetics of resin based restorative materials. *J Biomed Mater Res* **17**, 275-282.

Darmani H. and Al-Hiyasat A. (2006). The effects of BIS-GMA and TEG-DMA on female mouse fertility. *Dent Mater* **22**, 353–358.

## Bibliografia

- Dogon L. (1990). Present and future value of dental composite materials and sealants. *Int J Technol Assessment in Health care* **6**, 369-377.
- Drummond L. (2008). Degradation, Fatigue, and Failure of Resin Dental Composite Materials. *J Dent Res* **87**(8), 710-719.
- Ehrnfors L. (1983). Dental composites reinforced with microporous sintered glassfiber networks. *Swed Dent J Suppl* **18**, 1-45.
- Erikson H. and Leidal I. (1984). Human pulpal response to composite resin restoration. *J dent Res* **63** (4), 574-580.
- Fano V., Ma Y., Ortalli I. and Pozela K. (1998). Study of dental materials by laser beam scanning. *Biomaterials* **19**, 1541-1545.
- Fano V., Ortalli I., Pizzi S. and Bonanini M. (1997). Polymerization shrinkage of microfilled composites determined by laser beam scanning. *Biomaterials* **18**, 467-470
- Fano L., Ma W., Marcoli P., Pizzi S. and Fano V. (1998). Polymerization of composite resin using plasma light. *Oper Dent* **23**, 87-93.

## Bibliografia

- Feigal R., Yesilsoy C., Messer H., and Nelson J. (1985). Differential sensitivity of normal human pulp and transformed mouse fibroblasts to cytotoxic challenge. *Arch Oral Biol* **30**, 609–613.
- Felizer A., De Gee A. and Davidson C. (1988). Curing contraction of composites and glass-ionomer cements. *J Prosthet Dent* **59**(3), 297-300.
- Ferracane J. and Condon J. (1990). Rate of elution of leachable components from composite. *Dent Mater* **16**, 282-287.
- Ferracane J. (1992). Using posterior composites appropriately. *J Am Dent Assoc* **123**, 53-58.
- Ferracane J. (1994). Elution of leachable components from composites. *J Oral Rehab* **21**, 441–452.
- Ferracane J. and Condon J. (1999). In vitro evaluation of the marginal degradation of dental composites under simulated occlusal loading. *Dent Mater* **15**(4), 262-267.
- Franza A., Franz K., Anglmayera M., Rausch X. and Sperra W. (2003). Cytotoxic effects of packable and non packable dental composites. *Dent Mater* **19**, 382–392.
- Fowler C., Swartz M. and Moore B. (1994). Efficacy testing of visible-light-curing units. *Oper Dent* **19**, 47-52.

## Bibliografia

- Fullc A. and Hollandewr R. (1993). The composite resin restoration. A literature review part 111. What the future holds. *J Dent Child* **60**, 57-60.
- Geurtsen W. (1998). Substances released from dental resin composites and glass ionomer cements . *Eur J Oral Sci* **106**, 687–695.
- Geurtsen W., Spahl W. and Leyhausen G. (1998). Residual Monomer Additive Release and Variability in Cytotoxicity of Light-curing Glass-ionomer Cements and Compomers. *J Dent Res* **77**(12), 2012-2019.
- Geurtsen W. (2000). Biocompatibility of resin modified filling materials. *Crit Rev Oral Biol Med* **11**, 333-355.
- Giampiero T., Federica P., Luca M., De Palma F., Giuseppina N., Alessandro L. and Gaspare R. (2008). Conversion degree, monomer release and cellular cytotoxicity of two photopolymerizable composite resins: an in vitro study. *G It Cons* **4**, 35-42.
- Glenn J. (1982). Composition and properties of unfilled composite resin restorative materials in biocompatibility of dental materials. Eds Smith D.C., Williams D.F., Floride C.R.C., Pressing Inc. **3**, 98-130.

## Bibliografia

- Goldberg B. and Goldberg F. (1992). A rabbit lung model for testing reaction to inhaled dental restorative particles . *Chest* **101**, 829-32.
- Goldman M. (1983). Polymerization shrinkage of resin based restorative materials. *Aust Dent J* **28**, 156-161.
- Goracci G., Mori G. and Casa de' Martinis L. (1993). Polimerizzazione di materiali compositi: valutazione di due metodi. *Dental Cadmos* **7**, 50-63.
- Goracci G., Casa de' Martinis L. and Mori G. (1992). Compositi e polimerizzazione lenta. *Dental Cadmos* **13**, 68-83.
- Grandini R., Rengo S. and Strohmenger L. (2004). Odontoiatria restaurativa. Ed UTET Torino.
- Grandini R., Rengo S. and Strohmenger L. (1999). Odontoiatria Restaurativa. Ed Utet p. 287
- Johanson k., Stark K., Vogel E. and Fleischmann M. (1967). Evidence for Chemical Bond Formation at Silane Coupling Agent Interfaces. *J Comp Mater* **1**, 278-283.
- Hoffmann N., Siebrecht C. and Hugo B. (2003). Influence of curing methods and materials on the marginal sal of class V composite restorations in vitro. *Oper Dent* **28**(2), 160-167.

## Bibliografia

- Hanks C., Strawn S., Wataha J. and Craig R. (1991). Cytotoxic Effects of Resin Components on Cultured Mammalian Fibroblasts. *J Dent Res* **70**(11), 1450-1455.
- Hanks C., Wataha J. and Suni Z. (1996). In vitro models of biocompatibility a review. *Dent Mater* **12**, 186-193.
- Hansen K. (1983). Effect of pressure upon wall to wall polymerization contraction of a chemically-cured resin. *Scand J Dent Res* **91** (1), 72-75
- Hume WR. (1984). Effect of eugenol on respiration and division in human pulp, mouse fibroblasts, and liver cells *in vitro*. *J Dent Res* **63**, 1262-1265.
- Kaine T., Arikawa H., Fujii K. and Inoue K. (2004). Physical and mechanical properties of PMMA resins containing gamma-methacryloxypropyltrimethoxysilane. *J Oral Rehabil* **31**(2), 166-71.
- Kamposiora P., Papavasilion G., Bayne S. and Felton D. (1996). Stress concentration in all ceramic posterior fixed partial dentures. *Quintessence Int* **27**(10), 701-706.
- Labella R., Lambrechts P., Van Meerbeek B. and Vanherle G. (1999). Polymerization shrinkage and elasticity of flowable composites and filled adhesives. *Dent Mat* **15**, 128-137.

## Bibliografia

- Lai Y., Chen T., Lee S., Shieh T. and Hung S. (2004). Cytotoxic effects of dental resin liquids on primary gingival fibroblasts and periodontal ligament cells in vitro. *Journal of Oral Rehabilitation* **31**, 1165–1172.
- Leirskar J. and Helgeland K. (1972). A methodologic study of the effect of dental materials. on growth and adhesion of animal cells. *in vitro*. *Scand J Dent Res* **80**, 120–133.
- Leung L., Adishian R. and Fan L. (1985). Post irradiation comparison of photo activated composite resins. *J Prosthet Dent* **54**, 645-649.
- Liu Q., Ding J., Chambers E., Debnath S., Wunder L. and Baran R. (2001). Filler-coupling agent-matrix interactions in silica polymethyl - methacrylate composites. *J Biomed Mater Res* **57**, 384-393.
- Lutz F., Setcos C., Phillips W. and Roulet F. Dental restorative resins, Types and characteristics. *Dent Clin North Am* **27**(4), 697-712.
- Mangani F., Vanini L., Cocchia D., and Condò S. (2000). Polimerizzazione rapida delle resine composite: valutazione delle lampade al plasma. *Dental Cadmos* **6**, 61-70.
- Michelsen V., Lygre H., Skålevik R. and Tveit B. (2003). Identification of organic eluates from four polymer-based dental filling materials. *Eur J Oral Sci* **111**, 263–271

Mosmann T. (1983). Rapid colorimetric assay for cellular growth and survival, application to proliferation and cytotoxicity assays. *J Immunol Meth* **65**, 55-63.

Munksgaard C., Peutzfeldt A. and Asmussen E. (2000). Elution of TEGDMA and BisGMA from a resin and a resin composite cured with halogen or plasma light. *Eur J Oral Sci* **108**, 341-345.

Nicholsen JW and Czarnecka B. (2008). The biocompatibility of resin-modified glass-ionomer cements for dentistry. *Dent Mater* **24**, 1702-1708.

Nomoto R., Uchida K. and Hirasawa T. (1994). Effect of light intensity on polymerization shrinkage of light-cured composite resins. *Dent Mater J* **13**, 198-205.

Örtengren U., Langer S., Göransson A. and Lundgren T. (2004). Influence of pH and time on organic substance release from a model dental composite: a fluorescence spectrophotometry and gas chromatography mass spectrometry analysis. *Eur J Oral Sci* **112**, 530–537.

Peutzfeldt A. (1994). Correlation between recordings obtained with a light-intensity tester and a degree of conversion of a light-curing resin. *Scand J Dent Res* **102**, 73-75.

## Bibliografia

- Peutzfeldt A. (1997). Resin composites in dentistry: the monomer systems. *Eur J Oral Sci* **105**, 97-116.
- Pilo R. and Cardash S. (1992). Post irradiation polymerization of different anterior and posterior visible light-activated resin composites. *Dent Mater* **8**, 299-304.
- Plueddemann P. (1982). Silane coupling agents. *Plenum Press. New York.*
- Powers M., Allen J. and Craig G. (1974). Two body abrasion of commercial and experimental restorative and coating resins and an amalgam, *J Am Dent Assoc* **89** (5), 1118-22.
- Quinlan A., Zisterer M., Tipton F. and Osullivan I. (2002). In vitro cytotoxicity of a composite resin and compomer. *International Endodontic Journal* **35**, 47-55.
- Reichla F., Walthera U., Durnera J., Keheb K., Hickelc R., Kunzelmannc K., Spahld W., Humee W., Benschopf H. and Fortha W. (2001). Cytotoxicity of dental composite components and mercury compounds in lung cells . *Dent Mater* **17**, 95-101.
- Ruyter E. and Øysaed H. (1982). Conversion in different depths of ultraviolet and visible light activated composite materials. *Acta Odontol Scand* **40** (3), 192-197.

## Bibliografia

- Ruyter E. and Øysaed H. (1987). Composites for use in posterior teeth: composition and conversion. *J Biomed Mater* **21**, 11-23.
- Ruyter E. (1981). Unpolymerized surface layers on sealants. *Acta Odontol Scand* **39** (1), 27-32.
- Ruyter E. (1985). Light-polymerized composites. Are protective measures needed? *Tandlakartidningen* **77**(13-14), 735-737.
- Sakaguchi I. (1999). A review of the curing mechanics of composites and their significance in dental applications. *Compend Contin Educ Dent Suppl* **(25)**, S16-23; quiz S73.
- Salako O. and Cruickshanks W. (1979). Curing depths of materials polymerized by ultraviolet light. *Br Dent J* **156** (12), 375-379.
- Sandner B., Baudach S., Davy K., Braden M. and Clarke R. (1997). Synthesis of Bis-GMA derivatives, properties of their polymers and composites. *J Mater Sci* **8**, 39-44.
- Schedule A., Franz A., Rausche X., Spitter A. and Lucas T. (1998). Cytotoxicity effects of dental composites, adhesive substances, compomers and cements. *Dent Mater* **14**, 429-440.

Schmalz G. Concepts in biocompatibility testing of dental restorative materials. (1997). *Clin Oral Investig* **1**, 154–162.

Schmalz G. (1998). The biocompatibility of non-amalgam dental filling materials. *Eur J Oral Sci* **106**, 696–706 .

Schmalz G., Schweikla H., Hillera K., Bolaya C. and Kreissla M. (2005). Cytotoxic and mutagenic effects of dental composite materials. *Biomaterials* **26**, 1713–1719.

Shobha H., Sankarapandian M., Kalachandra S., Taylor D. and McGrath J. (1997). Structure property relationship among novel dental composite matrix resins. *J Mater Sci Mater Med* **8**(6), 385-389.

Small C., Watson F., Chadwick V. and Sidhu K. (1998). Water sorption in resin modified glass-ionomer cements: an in vitro comparison with other materials. *Biomaterials* **19**, 545-550.

Soderholm J. (1985). Filler systems and resin interface. In Posterior Composite Resin Dental Restorative Materials. *Vanherle & Smith, eds, pp 139-159, Utrecht, The Netherlands: P Szulc Publishing.*

Souzaa P., Aranhab A., Josimeri H., Elisa M.A. , Carlos A. and Costa S. (2006). In vitro cytotoxicity and in vivo biocompatibility of contemporary resin-modified glass-ionomer cements. *Dent mater* **22**, 838–844.

## Bibliografia

- Strasbury W. (2000). Curing dental resins and composites by photopolymerization. *J Esthet Dent* **6**, 300-308.
- Stephen B. (2005). Dental biomaterials: where are we and where are we going? *J Dent Edu* **96**, 571-585.
- Swift E., Bayne S., Marker V. and Ford K. (1995). Review of the dental materials literature. *Dent Mater* **11**(1), 52-77.
- Taira M., Urabe H., Hirose T., Wasaka K. and Yamaki M. (1988). Analysis of photo-initiators in visible light-cured dental composite resins. *J Dent Res* **67**, 24-28.
- Tarle Z., Meliga A., Ristic M., Sutalo J., Pichler G. and Davidson L. (1998). The effect of photopolymerization method on the quality of composite resin samples. *J Oral Rehabilit* **25** (6), 432-442.
- Tate W., Porter H. and Dosch R. (1999). Successful photocuring. *Oper Dent* **24** (2), 109-114.
- Thonemann B., Schmalz G., Hiller K. and Schweikl H. (2002). Responses of L929 mouse fibroblasts, primary and immortalized bovine dental papilla-derived cell lines to dental resin components. *Dent Mater* **18**, 318-323.

## Bibliografia

- Tong C., Tzuen Y., Boon Chin H., Hua L., Adrian U. and Mah L. (2005). Comparison of different test models for the assessment of cytotoxicity of composite resins. *J Appl Toxicol* **25**, 101-108.
- Uctasli S., Shortall A. and Burke F. (2002). Effects of accelerated restorative techniques on the microleakage of class II composites. *Am J Dent* **15**(3), 153-158.
- Ulman A. (1996). Formation and structure of self-assembled monolayers. *Chem Rev* **96**, 1533-1554.
- Wataha J., Rueggeberg F., Lapp C., Lewis J., Lockwood P. and Mettenburg D. (1999). In vitro citotoxicity of resin-containing restorative materials after aging in artificial saliva. *Clin Oral Invest* **3**, 144-149.
- Watts C., McNaughton V. and Grant A. (1986). The development of surface hardness in visible light-cured posterior composites. *J Dent* **14**, 169-74.
- Watts C. (1992). Dental restorative materials. In: Chan R.W., Haansen p., Kramer E.J., editors. *Materials science and technology*, Weinheim: VCH Publ. Inc., **14**, 214-35.
- Willems G., Lambrechts P., Braem M., Celis J. and Vanherle G. (1992). A classification of dental composites according to their morphological and mechanical characteristics. *Dent Mater* **8**(5), 310-319.

## Bibliografia

- Wennberg A., Hasselgren G. and Tronstad L. (1979). A method for toxicity screening of biomaterials using cells cultured on millipore filters. *J Biomed Mater Res* **13**, 109–120.
- Van Wyk C., Oliver A. and Maritz J. (2001). Cultured pulp fibroblasts: are they suitable for in vitro cytotoxicity testing? *J Oral Pathol Med* **30**, 168-177.
- Vankerckhoven H., Lambrechts P., Van Beylen M. and Vanherle G. (1981). Characterization of composite resin by NMR and TEM. *J Dent Res* **60**, 1957-1965.
- Vankerckhoven H., Lambrechts P., Van Beylen M., Davidson C.L. and Vanherel G. (1982). Unreacted methacrylate groups on the surface of composite resins. *J dent Res* **61** (6), 791-795.
- Vanini L. And Toffenetti F. (1995). Nuovi concetti estetici nell'uso dei materiali compositi. ISBS, Castelnuovo Don Bosco(AT).
- Versluis A., Tantbirojn D. and Douglas H. (1998). Do dental composites always shrinkage toward the light? *J Dent Res* **77**(6), 1435-1445.
- Vimy J., Takahashi Y., and Lorscheider L. (1990). Maternal fetal distribution of mercury released from dental amalgam fillings. *Am J Physiol* **27**, 939-945.

## Bibliografia

- Yap A., Soh M. and Siow K. (2002). Post-gel shrinkage with pulse activation and soft-start polymerization.  
*Oper Dent* **27**, 81-87.
- Yesilsoy C. and Feigal J. (1985). Effects of endodontic materials on cell viability across standard pore size filters.  
*J Endodont* **11**, 401-407.
- Yoshida k. and Greener E. (1993). Effects of two amine reducing agents on the degree of conversion and physical properties of unfilled light-curing resin.  
*Dent Mater* **9**, 246-251.
- Yoshii E. (1997). Cytotoxic effects of acrylates and methacrylates: relationships of monomer structures and cytotoxicity. *J Biomed Mater Res* **37**, 517-524.
- Young R. and Lovell P. (1991). Introduction to polymer. London, UK. Chapman and hall, pp. 43-51.
- Zach L. and Cohen G. (1965). Pulp response to externally applied heat. *Oral Surg* **19**, 515-530.