

BIBLIOGRAPHY

- Agostini FG, Kaaden C, Powers JM (2001). Bond strength of self-etching primers to enamel and dentin of primary teeth. *Pediatr Dent* 23(6):481-486.
- Betamar N, Cardew G, Van NR (2007). Influence of specimen designs on the microtensile bond strength to dentin. *J Adhes Dent* 9(2):159-168.
- Bolanos-Carmona V, Gonzalez-Lopez S, Briones-Lujan T, De Haro-Munoz C, de la Macorra JC (2006). Effects of etching time of primary dentin on interface morphology and microtensile bond strength. *Dent Mater* 22(12):1121-1129.
- Bordin-Aykroyd S, Sefton J, Davies EH (1992). In vitro bond strengths of three current dentin adhesives to primary and permanent teeth. *Dent Mater* 8(2):74-78.
- Brown AC, Beveridge EE (1966). The relation between tooth pulp pressure and systemic arterial pressure. *Arch Oral Biol* 11(11):1181-1193.
- Brown AC, Yankowitz D (1964). Tooth pulp tissue pressure and hydraulic permeability. *Circ Res* 15:42-50.
- Cagidiaco MC, Ferrari M, Vichi A, Davidson CL (1997). Mapping of tubule and intertubule surface areas available for bonding in Class V and Class II preparations. *J Dent* 25(5):379-389.
- Cardoso MV, Moretto SG, Carvalho RC, Russo EM (2008). Influence of intrapulpal pressure simulation on the bond strength of adhesive systems to dentin. *Braz Oral Res* 22(2):170-175.

Cardoso PE, Braga RR, Carrilho MR (1998). Evaluation of micro-tensile, shear and tensile tests determining the bond strength of three adhesive systems. *Dent Mater* 14(6):394-398.

Carrigan PJ, Morse DR, Furst ML, Sinai IH (1984). A scanning electron microscopic evaluation of human dentinal tubules according to age and location. *J Endod* 10(8):359-363.

Cauvin CA, Kirkendol PL (1980). Tooth pulp pressure: local and systemic influences of epinephrine and acetylcholine. *Pharmacol Ther Dent* 5(1-2):17-24.

Chiba Y, Rikuta A, Yasuda G, Yamamoto A, Takamizawa T, Kurokawa H *et al.* (2006). Influence of moisture conditions on dentin bond strength of single-step self-etch adhesive systems. *J Oral Sci* 48(3):131-137.

Christiansen RL, Meyer MW, Visscher MB (1977). Tonometric measurement of dental pulpal and mandibular marrow blood pressures. *J Dent Res* 56(6):635-645.

Ciucchi B, Bouillaguet S, Holz J, Pashley D (1995). Dentinal fluid dynamics in human teeth, *in vivo*. *J Endod* 21(4):191-194.

Den-Udom, M., Leelataweewud, P., Vongsavan , K., Leewatana, P., Asvanund, Y., and Vongsavan, N. (2004). Fluid Emerging from Exposed Dentine in Primary Tooth: *in vivo* . 19 th International Association for Dental Research (South-East Asia Division) IADR/SEA : IP-103, p.127.

Elkins CJ, McCourt JW (1993). Bond strength of dentinal adhesives in primary teeth. *Quintessence Int* 24(4):271-273.

Fagan TR, Crall JJ, Jensen ME, Chalkley Y, Clarkson B (1986). A comparison of two dentin bonding agents in primary and permanent teeth. *Pediatr Dent* 8(3):144-146.

Fogel HM, Marshall FJ, Pashley DH (1988). Effects of distance from the pulp and thickness on the hydraulic conductance of human radicular dentin. *J Dent Res* 67(11):1381-1385.

Fosse G, Saele PK, Eide R (1992). Numerical density and distributional pattern of dentin tubules. *Acta Odontol Scand* 50(4):201-210.

Galvan DA, Ciarlane AE, Pashley DH, Kulild JC, Primack PD, Simpson MD (1994). Effect of smear layer removal on the diffusion permeability of human roots. *J Endod* 20(2):83-86.

Garberoglio R, Brannstrom M (1976). Scanning electron microscopic investigation of human dentinal tubules. *Arch Oral Biol* 21(6):355-362.

Goldberg M, Kulkarni AB, Young M, Boskey A (2011). Dentin: structure, composition and mineralization. *Front Biosci (Elite Ed)* 3:711-735.

Greenhill JD, Pashley DH (1981). The effects of desensitizing agents on the hydraulic conductance of human dentin in vitro. *J Dent Res* 60(3):686-698.

Gupta R, Tewari S (2006). Effect of rotary instrumentation on composite bond strength with simulated pulpal pressure. *Oper Dent* 31(2):188-196.

Gwinnett AJ, Kanca J, III (1992). Micromorphological relationship between resin and dentin in vivo and in vitro. *Am J Dent* 5(1):19-23.

Harnirattisai C, Inokoshi S, Shimada Y, Hosoda H (1993). Adhesive interface between resin and etched dentin of cervical erosion/abrasion lesions. *Oper Dent* 18(4):138-143.

- Hebling J, Giro EM, Costa CA (1999). Human pulp response after an adhesive system application in deep cavities. *J Dent* 27(8):557-564.
- Heyeraas KJ (1989). Pulpal hemodynamics and interstitial fluid pressure: balance of transmicrovascular fluid transport. *J Endod* 15(10):468-472.
- Heyeraas KJ, Berggreen E (1999). Interstitial fluid pressure in normal and inflamed pulp. *Crit Rev Oral Biol Med* 10(3):328-336.
- Heyeraas KJ, Kvinnslund I (1992). Tissue pressure and blood flow in pulpal inflammation. *Proc Finn Dent Soc* 88 Suppl 1:393-401.
- Hosaka K, Nakajima M, Yamauti M, Aksornmuang J, Ikeda M, Foxton RM *et al.* (2007). Effect of simulated pulpal pressure on all-in-one adhesive bond strengths to dentine. *J Dent* 35(3):207-213.
- Inoue S, Pereira PN, Kawamoto C, Nakajima M, Koshiro K, Tagami J *et al.* (2003). Effect of depth and tubule direction on ultimate tensile strength of human coronal dentin. *Dent Mater J* 22(1):39-47.
- Itou K, Torii Y, Oyama F, Yoshiyama M, Pashley DH (2003). Effect of drying methods on hybrid layer thickness. *Am J Dent* 16(5):335-339.
- Itthagaran A, Tay FR (2000). Self-contamination of deep dentin by dentin fluid. *Am J Dent* 13(4):195-200.
- Jacobsen T, Soderholm KJ (1995). Some effects of water on dentin bonding. *Dent Mater* 11(2):132-136.
- Johnson G, Olgart L, Brannstrom M (1973). Outward fluid flow in dentin under a physiologic pressure gradient: experiments in vitro. *Oral Surg Oral Med Oral Pathol* 35(2):238-248.

- Kaaden C, Schmalz G, Powers JM (2003). Morphological characterization of the resin-dentin interface in primary teeth. *Clin Oral Investig* 7(4):235-240.
- Kanca J, III (1992). Resin bonding to wet substrate. 1. Bonding to dentin. *Quintessence Int* 23(1):39-41.
- Kato G, Nakabayashi N (1998). The durability of adhesion to phosphoric acid etched, wet dentin substrates. *Dent Mater* 14(5):347-352.
- Kinney JH, Balooch M, Haupt DL, Jr., Marshall SJ, Marshall GW, Jr. (1995). Mineral distribution and dimensional changes in human dentin during demineralization. *J Dent Res* 74(5):1179-1184.
- Konishi N, Watanabe LG, Hilton JF, Marshall GW, Marshall SJ, Staninec M (2002). Dentin shear strength: effect of distance from the pulp. *Dent Mater* 18(7):516-520.
- Koutsi V, Noonan RG, Horner JA, Simpson MD, Matthews WG, Pashley DH (1994). The effect of dentin depth on the permeability and ultrastructure of primary molars. *Pediatr Dent* 16(1):29-35.
- Lee JJ, Nettey-Marbell A, Cook A, Jr., Pimenta LA, Leonard R, Ritter AV (2007). Using extracted teeth for research: the effect of storage medium and sterilization on dentin bond strengths. *J Am Dent Assoc* 138(12):1599-1603.
- Li H, Burrow MF, Tyas MJ (2002). The effect of thermocycling regimens on the nanoleakage of dentin bonding systems. *Dent Mater* 18(3):189-196.
- Linde A, Goldberg M (1993). Dentinogenesis. *Crit Rev Oral Biol Med* 4(5):679-728.
- Lopes GC, Cardoso PC, Vieira LC, Baratieri LN, Rampinelli K, Costa G (2006). Shear bond strength of acetone-based one-bottle adhesive systems. *Braz Dent J* 17(1):39-43.

- Malferrari S, Finger WJ, Garcia-Godoy F (1995). Resin bonding efficacy of Gluma 2000 to dentine of primary teeth: an in vitro study. *Int J Paediatr Dent* 5(2):73-79.
- Marshall GW, Jr., Marshall SJ, Kinney JH, Balooch M (1997). The dentin substrate: structure and properties related to bonding. *J Dent* 25(6):441-458.
- Matthews B, Vongsavan N (1994). Interactions between neural and hydrodynamic mechanisms in dentine and pulp. *Arch Oral Biol* 39 Suppl:87S-95S.
- Mazzeo N, Ott NW, Hondrum SO (1995). Resin bonding to primary teeth using three adhesive systems. *Pediatr Dent* 17(2):112-115.
- Mendis BR, Darling AI (1979). A scanning electron microscope and microradiographic study of closure of human coronal dentinal tubules related to occlusal attrition and caries. *Arch Oral Biol* 24(10-11):725-733.
- Michelich V, Pashley DH, Whitford GM (1978). Dentin permeability: a comparison of functional versus anatomical tubular radii. *J Dent Res* 57(11-12):1019-1024.
- Mitchem JC, Terkla LG, Gronas DG (1988). Bonding of resin dentin adhesives under simulated physiological conditions. *Dent Mater* 4(6):351-353.
- Mjor IA, Nordahl I (1996). The density and branching of dentinal tubules in human teeth. *Arch Oral Biol* 41(5):401-412.
- Moll K, Haller B (2000). Effect of intrinsic and extrinsic moisture on bond strength to dentine. *J Oral Rehabil* 27(2):150-165.
- Moll K, Park HJ, Haller B (2005). Effect of simulated pulpal pressure on dentin bond strength of self-etching bonding systems. *Am J Dent* 18(5):335-339.

- Nakabayashi N (1985). Bonding of restorative materials to dentine: the present status in Japan. *Int Dent J* 35(2):145-154.
- Nor JE, Feigal RJ, Dennison JB, Edwards CA (1996). Dentin bonding: SEM comparison of the resin-dentin interface in primary and permanent teeth. *J Dent Res* 75(6):1396-1403.
- Nor JE, Feigal RJ, Dennison JB, Edwards CA (1997). Dentin bonding: SEM comparison of the dentin surface in primary and permanent teeth. *Pediatr Dent* 19(4):246-252.
- Ogata M, Nakajima M, Sano H, Tagami J (1999). Effect of dentin primer application on regional bond strength to cervical wedge-shaped cavity walls. *Oper Dent* 24(2):81-88.
- Oilo G, Austrheim EK (1993). In vitro quality testing of dentin adhesives. *Acta Odontol Scand* 51(4):263-269.
- Olmez A, Oztas N, Basak F, Erdal S (1998). Comparison of the resin-dentin interface in primary and permanent teeth. *J Clin Pediatr Dent* 22(4):293-298.
- Pashley DH (1984). Smear layer: physiological considerations. *Oper Dent Suppl* 3:13-29.
- Pashley DH (1991). Clinical correlations of dentin structure and function. *J Prosthet Dent* 66(6):777-781.
- Pashley DH (1992). The effects of acid etching on the pulpodentin complex. *Oper Dent* 17(6):229-242.
- Pashley DH (1985). Dentin-predentin complex and its permeability: physiologic overview. *J Dent Res* 64 Spec No:613-620.

- Pashley DH (1986). Dentin permeability, dentin sensitivity, and treatment through tubule occlusion. *J Endod* 12(10):465-474.
- Pashley DH (1988). Consideration of dentine permeability in cytotoxicity testing. *Int Endod J* 21(2):143-154.
- Pashley DH, Carvalho RM, Sano H, Nakajima M, Yoshiyama M, Shono Y *et al.* (1999). The microtensile bond test: a review. *J Adhes Dent* 1(4):299-309.
- Pashley DH, Ciucchi B, Sano H, Horner JA (1993). Permeability of dentin to adhesive agents. *Quintessence Int* 24(9):618-631.
- Pashley DH, Livingston MJ, Greenhill JD (1978). Regional resistances to fluid flow in human dentine in vitro. *Arch Oral Biol* 23(9):807-810.
- Pashley DH, Michelich V, Kehl T (1981). Dentin permeability: effects of smear layer removal. *J Prosthet Dent* 46(5):531-537.
- Pashley DH, Sano H, Ciucchi B, Yoshiyama M, Carvalho RM (1995). Adhesion testing of dentin bonding agents: a review. *Dent Mater* 11(2):117-125.
- Pashley DH, Tay FR, Carvalho RM, Rueggeberg FA, Agee KA, Carrilho M *et al.* (2007). From dry bonding to water-wet bonding to ethanol-wet bonding. A review of the interactions between dentin matrix and solvated resins using a macromodel of the hybrid layer. *Am J Dent* 20(1):7-20.
- Perdigao J, Lambrechts P, Van MB, Braem M, Yildiz E, Yucel T *et al.* (1996). The interaction of adhesive systems with human dentin. *Am J Dent* 9(4):167-173.
- Phrukkanon S, Burrow MF, Tyas MJ (1998). The influence of cross-sectional shape and surface area on the microtensile bond test. *Dent Mater* 14(3):212-221.

- Pioch T, Staehle HJ, Schneider H, Duschner H, Dorfer CE (2001). Effect of intrapulpal pressure simulation in vitro on shear bond strengths and hybrid layer formation. *Am J Dent* 14(5):319-323.
- Prati C, Pashley DH (1992). Dentin wetness, permeability and thickness and bond strength of adhesive systems. *Am J Dent* 5(1):33-38.
- Prati C, Pashley DH, Montanari G (1991). Hydrostatic intrapulpal pressure and bond strength of bonding systems. *Dent Mater* 7(1):54-58.
- Rangcharoen M. "The Use of Replica Technique to Study Dentin Pemeability in Primary teeth". M.S. Thesis, Chiang Mai University, 2011.
- Rungvechvuttivittaya S, Okiji T, Suda H (1998). Responses of macrophage-associated antigen-expressing cells in the dental pulp of rat molars to experimental tooth replantation. *Arch Oral Biol* 43(9):701-710.
- Salama FS, Tao L (1991). Comparison of Gluma bond strength to primary vs. permanent teeth. *Pediatr Dent* 13(3):163-166.
- Sano H, Shono T, Sonoda H, Takatsu T, Ciucchi B, Carvalho R et al. (1994). Relationship between surface area for adhesion and tensile bond strength-- evaluation of a micro-tensile bond test. *Dent Mater* 10(4):236-240.
- Sauro S, Pashley DH, Montanari M, Chersoni S, Carvalho RM, Toledano M et al. (2007). Effect of simulated pulpal pressure on dentin permeability and adhesion of self-etch adhesives. *Dent Mater* 23(6):705-713.
- Scholtanus JD, Purwanta K, Dogan N, Kleverlaan CJ, Feilzer AJ (2010). Microtensile bond strength of three simplified adhesive systems to caries-affected dentin. *J Adhes Dent* 12(4):273-278.

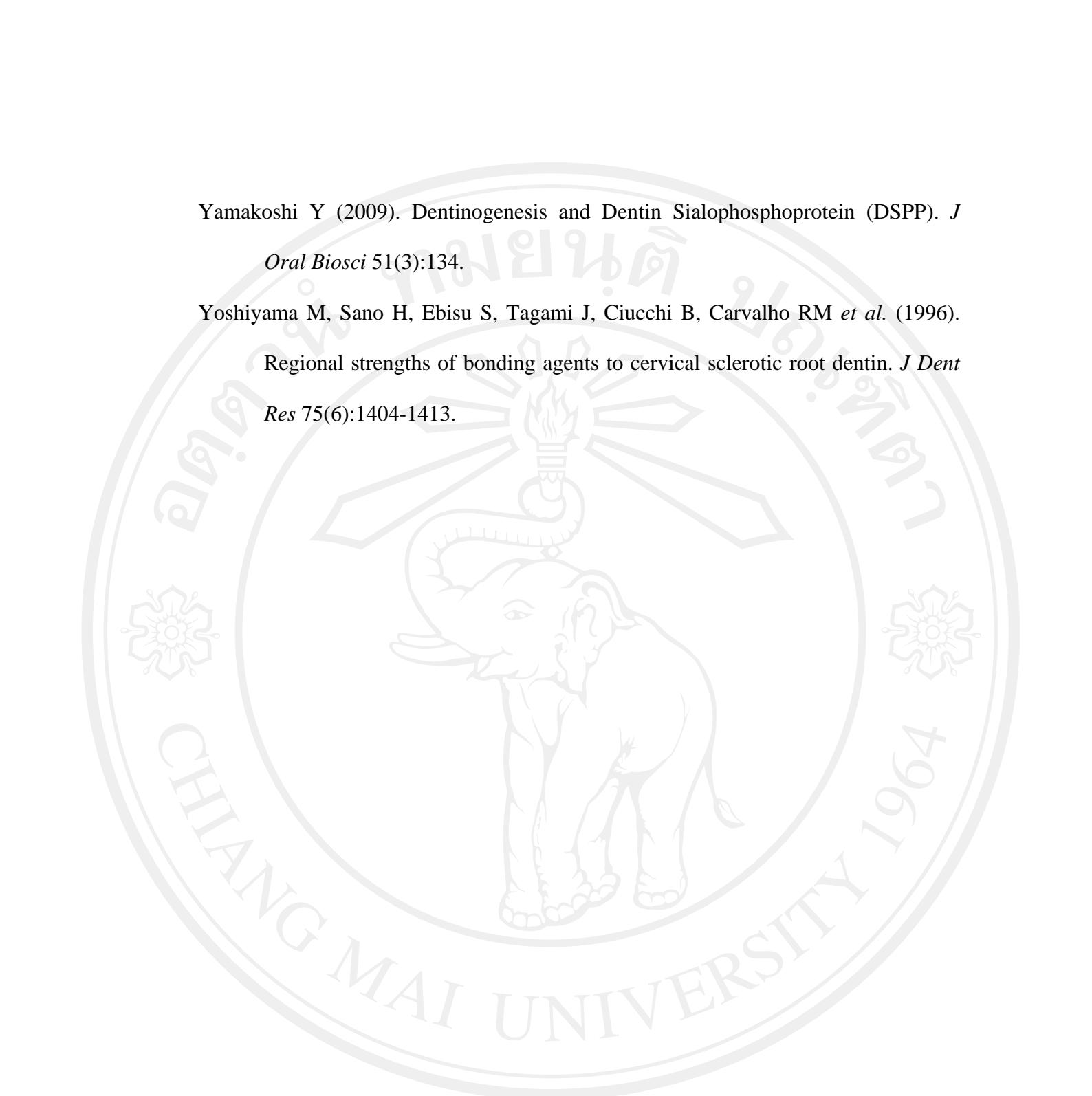
- Schreiner RF, Chappell RP, Glaros AG, Eick JD (1998). Microtensile testing of dentin adhesives. *Dent Mater* 14(3):194-201.
- Schupbach P, Krejci I, Lutz F (1997). Dentin bonding: effect of tubule orientation on hybrid-layer formation. *Eur J Oral Sci* 105(4):344-352.
- Smith AJ, Scheven BA, Takahashi Y, Ferracane JL, Shelton RM, Cooper PR (2012). Dentine as a bioactive extracellular matrix. *Arch Oral Biol* 57(2):109-121.
- Stenvik A, Iversen J, Mjor IA (1972). Tissue pressure and histology of normal and inflamed tooth pulps in macaque monkeys. *Arch Oral Biol* 17(11):1501-1511.
- Sumikawa DA, Marshall GW, Gee L, Marshall SJ (1999). Microstructure of primary tooth dentin. *Pediatr Dent* 21(7):439-444.
- Swift EJ, Jr. (2002). Dentin/enamel adhesives: review of the literature. *Pediatr Dent* 24(5):456-461.
- Tagami J, Hosoda H, Burrow MF, Nakajima M (1992). Effect of aging and caries on dentin permeability. *Proc Finn Dent Soc* 88 Suppl 1:149-154.
- Takahashi A, Sato Y, Uno S, Pereira PN, Sano H (2002). Effects of mechanical properties of adhesive resins on bond strength to dentin. *Dent Mater* 18(3):263-268.
- Tao L, Pashley DH (1989). Dentin perfusion effects on the shear bond strengths of bonding agents to dentin. *Dent Mater* 5(3):181-184.
- Thomas HF (1985). The dentin-predentin complex and its permeability: anatomical overview. *J Dent Res* 64 Spec No:607-612.
- Tonder KH, Naess G (1978). Nervous control of blood flow in the dental pulp in dogs. *Acta Physiol Scand* 104(1):13-23.

- Tonder KJ, Kvinnslund I (1983). Micropuncture measurements of interstitial fluid pressure in normal and inflamed dental pulp in cats. *J Endod* 9(3):105-109.
- Upthegrove DD, Bishop JG, Dorman HL (1968). Indirect determination of the blood pressure in the dental pulp. *Arch Oral Biol* 13(8):929-935.
- Van Hassel HJ, BROWN AC (1969). Effect of temperature changes on intrapulpal pressure and hydraulic permeability in dogs. *Arch Oral Biol* 14(3):301-315.
- van Rensburg BG (1975). Oral biology in 1973--a review of the literature. *J Dent Assoc S Afr* 30(11):861-870.
- Van MB, Braem M, Lambrechts P, Vanherle G (1994). Morphological characterization of the interface between resin and sclerotic dentine. *J Dent* 22(3):141-146.
- Van MB, Mohrbacher H, Celis JP, Roos JR, Braem M, Lambrechts P et al. (1993). Chemical characterization of the resin-dentin interface by micro-Raman spectroscopy. *J Dent Res* 72(10):1423-1428.
- Van QN, Shaka AJ (1998). Improved cross peak detection in two-dimensional proton NMR spectra using excitation sculpting. *J Magn Reson* 132(1):154-158.
- Vongsavan N, Matthews B (1992). Fluid flow through cat dentine in vivo. *Arch Oral Biol* 37(3):175-185.
- Vongsavan N, Matthews B (1991). The permeability of cat dentine in vivo and in vitro. *Arch Oral Biol* 36(9):641-646.
- Walton RE, Outhwaite WC, Pashley DF (1976). Magnification--an interesting optical property of dentin. *J Dent Res* 55(4):639-642.
- Wendt SL, McInnes PM, Dickinson GL (1992). The effect of thermocycling in microleakage analysis. *Dent Mater* 8(3):181-184.

Yamakoshi Y (2009). Dentinogenesis and Dentin Sialophosphoprotein (DSPP). *J Oral Biosci* 51(3):134.

Yoshiyama M, Sano H, Ebisu S, Tagami J, Ciucchi B, Carvalho RM *et al.* (1996).

Regional strengths of bonding agents to cervical sclerotic root dentin. *J Dent Res* 75(6):1404-1413.



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright © by Chiang Mai University
All rights reserved