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- คุณเมตตจิตต์ นวจินดา และอมรรัตน์ บุญศิริ. (2542). ผลของ Smear Layer ต่อการเปลี่ยนแปลงพีเอชของเนื้อฟันส่วน根หลังจากใส่เคลเรียมไฮดรอกไซด์. *วารสารทันตแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย*, 22(3), 161-166.
- อังสนา ใจแన่น, คุณเมตตจิตต์ นวจินดา และ รัตน์ เสรีนิราษ, (2545), ประสิทธิภาพการซ่าเขื่อนของเคลเรียมไฮดรอกไซด์ที่ระดับค่าความเป็นกรดด่างที่แตกต่างกันในห้องปฏิบัติการ. *วารสารทันตแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย*, 25(3), 161-173.
- Anthony, D. R., Gordon, T. M. and del Rio, C. E. (1982). The effect of three vehicles on the pH of calcium hydroxide. *Oral Surgery, Oral Medicine, and Oral Pathology*, 54(5), 560-565.
- Ardeshna, S. M., Qualtrough, A. J. and Worthington, H. V. (2002). An in vitro comparison of pH changes in root dentine following canal dressing with calcium hydroxide points and a conventional calcium hydroxide paste. *International Endodontics Journal*, 35(3), 239-244.
- Basrani, B., Ghanem, A. and Tjaderhane, L. (2004). Physical and chemical properties of chlorhexidine and calcium hydroxide-containing medications. *Journal of Endodontics*, 30(6), 413-417.
- Bergenholtz, G. (1974). Micro-organisms from necrotic pulp of traumatized teeth. *Odontologisk Revy*, 25(4), 347-358.
- Bystrom, A. and Sundqvist, G. (1981). Bacteriological evaluation of the efficacy of mechanical root canal instrumentation in endodontic therapy. *Scandinavian Journal of Dental Research*, 89(4), 321-328.
- Bystrom, A., Claesson, R. and Sundqvist, G. (1985). The antibacterial effect of camphorated paramonochlorophenol, camphorated phenol and calcium hydroxide in the treatment of infected root canals. *Endodontic Dental Traumatology*, 1(5), 170-175.



- Calt, S., Serper, A., Ozcelik, B. and Dalat, M. D. (1999). pH changes and calcium ion diffusion from calcium hydroxide dressing materials through root dentin.. **Journal of Endodontics**, 25(5), 329-331.
- Calt, S. and Serper, A. (2002). Time-dependent effects of EDTA on dentin structures. **Journal of Endodontics**, 28(1), 17-19.
- Carrigan, P. J., Morse, D. R., Furst, M. L. and Sinai, I. H. (1984). Scanning electron microscopic evaluation of human dentinal tubules according to age and location. **Journal of Endodontics**, 10(8), 359-363.
- Chong, B. S. and Pittford, T. R. (1992). The role of intracanal medication in root canal treatment. **International Endodontic Journal**, 25(2), 97-106.
- Cohen, S. and Hargreaves, K. M. (2006). **Pathways of the Pulp** (9<sup>th</sup> ed). India: Elsevier.
- Ercan, E., Dalli, M. and Dülgergil, C. T. (2006). In vitro assessment of the effectiveness of chlorhexidine gel and calcium hydroxide paste with chlorhexidine against *Enterococcus faecalis* and *Candida albicans*. **Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontics**, 102(2), 27-31.
- Esberard, R. M., Carnes, D. L. and del Rio, C. E. (1996). Changes in pH at the dentin surface in roots obturated with calcium hydroxide pastes. **Journal of Endodontics**, 22(8), 402-405.
- Estrela, C. and Pesce, H. F. (1996). Chemical analysis of the liberation of calcium and hydroxyl ions from calcium hydroxide pastes in connective tissue in the dog: part I. **Brazilian Dental Journal**, 7(1), 41-46.
- Evans, M., Davies, J. K., Sundqvist, G. and Figdor, D. (2002). Mechanisms involved in the resistance of *Enterococcus faecalis* to calcium hydroxide. **International Endodontic Journal**, 35(3), 221-228.
- Evans, M. D., Baumgartner, J. C., Khemaleelakul, S. and Xia, T. (2003). Efficacy of calcium hydroxide: chlorhexidine paste as an intracanal medication in bovine dentin. **Journal of Endodontics**, 29(5), 338-339.

- Fabricius, L., Dahlen, G., Holm, S. E. and MÖller, A. J. R. (1982). Influence of combinations of oral bacteria on periapical tissues of monkeys. *Scandinavian Journal of Dental Research*, 90(3), 200-206.
- Fardal, O. and Turnbull, R. S. (1986). A review of the literature on use of chlorhexidine in dentistry. *The Journal of the American Dental Association*, 112(6), 863-869.
- Fava, L. R. G. and Saunders, W. P. (1999). Calcium hydroxide pastes: classification and clinical indications. *International Endodontics Journal*, 32(4), 257-282.
- de Andrade Ferreira, F. B., Silva E Souza Pde, A., do Vale, M. S., de Moraes, I. G., and Granjeiro, J. M. (2004). Evaluation of pH levels and calcium ion release in various calcium hydroxide endodontic dressings. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontics*, 97(3), 388-392.
- Foreman, P. C. and Barnes, I. E. (1990). Review of calcium hydroxide. *International Endodontics Journal*, 23(6), 283-297.
- Foschi, F., Cavrini, F., Montebbugnoli, L., Stashenko, P., Sambri, V. and Prati, C. (2005). Detection of bacteria in endodontic samples by polymerase chain reaction assays and association with defined clinical signs in Italian patients. *Oral Microbiology and Immunology*, 20(5), 289-295.
- Foster, K. H., Kulild, J. C. and Weller, R. N. (1993). Effect of smear layer removal on the diffusion of calcium hydroxide through radicular dentin. *Journal of Endodontics*, 19(3), 136-140.
- Fuss, Z., Szajkis, S. and Tagger, M. (1989). Tubular permeability to calcium hydroxide and to bleaching agents. *Journal of Endodontics*, 15(8), 362-364.
- Georgopoulou, M., Kontakiotis, E. and Nakou, M. (1993). In vitro evaluation of the effectiveness of calcium hydroxide and paramonochlorophenol on anaerobic bacteria from the root canal. *Endodontic Dental Traumatology*, 9(6), 249-253.
- Gomes, B. P., Souza, S. F. and Ferraz, C. C. (2003). Effectiveness of 2% chlorhexidine gel and calcium hydroxide against *Enterococcus faecalis* in

- bovine root dentine in vitro. *International Endodontics Journal*, 36(4), 267-275.
- Gordon, T. M., Ranly, D. M. and Boyan, B. D. (1985). The effects of calcium hydroxide on bovine pulp tissue: variations in pH and calcium concentration. *Journal of Endodontics*, 11(4), 156-160.
- Haapasalo, M. and Orstavik, D. (1987). In vitro infection and disinfection of dentinal tubules. *Journal of Dental Research*, 66(8), 1375-1379.
- Hugo, W. B. (1971). *Inhibition and destruction of the microbial cell*. London: Academic Press.
- Kakehashi, S., Stanley, H. R. and Fitzgerald, R. J. (1965). The effects of surgical exposures of dental pulps in germ-free and conventional laboratory rats. *Oral Surgery, Oral Medicine, and Oral Pathology*, 20(3), 340-349.
- Kontakiotis, E., Nakou, M. and Georgopoulou, M. (1995). In vitro study of the indirect action of calcium hydroxide on the anaerobic flora of the root canal. *International Endodontics Journal*, 28(6), 285-289.
- Kuruvilla, J. R. and Kamath, M. P. (1998). Antimicrobial activity of 2.5% sodium hypochlorite and 0.2% chlorhexidine gluconate separately and combined, as endodontic irrigants. *Journal of Endodontics*, 24(7), 472-476.
- Lenet, B. J., Komorowski, R, Wu, X. Y., Huang, J., Grad, H., Lawrence, H. P. and Friedman, S. (2000). Antimicrobial substantivity of bovine root dentin exposed to different chlorhexidine delivery vehicles. *Journal of Endodontics*, 26(11), 652-655.
- Leonardo, M. R., Silva, L. A. B., Utrilla, L. O. S., Leonardo, R. T. and Consolaro, A. (1993). Effect of intracanal dressing on repair and apical bridging of teeth with incomplete root formation, *Endodontic Dental Traumatology*, 9(1), 25-30.
- Mader, C. L., Baumgartner, C. and Peters, D. D. (1984). Scanning electron microscope investigation of the smeared layer on root canal walls. *Journal of Endodontics*, 10(10), 477-483.

- Marion, D., Jean, A., Hamel, H., Kerebel, L. M., and Kerebel, B. (1991). Scanning electron microscopic study of odontoblasts and circumpulpal dentin in a human tooth. *Oral Surgery, Oral Medicine, and Oral Pathology*, 72(4), 473-478.
- McHugh, C. P., Zhang, P., Michalek, S. and Eleazer, P. D. (2004). pH required to kill *Enterococcus faecalis* in vitro. *Journal of Endodontics*, 30(4), 218-219.
- Molander, A., Reit, C., and Dahlen, G. (1999). The antimicrobial effect of calcium hydroxide in root canals pretreated with 5% iodine potassium iodide. *Endodontic Dental Traumatology*, 15(5), 205-209.
- Moller, A. J., Fabricius, L., Dahlen, G., Ohman, A. E. and Heyden, G. (1981). Influence on periapical tissues of indigenous oral bacteria and necrotic pulp tissue in monkeys. *Scandinavian Journal of Dental Research*, 89(6), 475-484.
- Nair, P. N., (2006). On the causes of persistent apical periodontitis: review. *International Endodontics Journal*, 39(4), 249-281.
- Nerwich, A., Figdor, D. and Messer, H. (1993). pH changes in root dentin over 4-week period following root canal dressing with calcium hydroxide. *Journal of Endodontics*, 19(6), 302-306.
- Orstavik, D. and Haapasalo, M. (1990). Disinfection by endodontic irrigants and Dressings of experimentally infected dentinal tubules. *Endodontic Dental Traumatology*, 6(4), 142-149.
- Orstavik, D., Kerekes, K., and Molven, O. (1991). Effects of extensive apical reaming and calcium hydroxide dressing on bacterial infection during treatment of apical periodontitis: a pilot study. *International Endodontics Journal*, 24(1), 1-7.
- Parsons, G. J., Patterson, S. S., Miller, C. H., Katz, S., Kafrawy, A. H., and Newton, C. W. (1980). Uptake and release of chlorhexidine by bovine pulp and dentin specimens and their subsequent acquisition of antibacterial properties. *Oral Surgery, Oral Medicine, and Oral Pathology*, 49(5), 455-459.
- Pashley, D. H. (1990). *Experimental endodontics* (Spangberg L, ed). Boca Raton, Fl.

- Peters, L. B., Wesselink, P. R., Buijs, J. F., and van Winkelhoff, A. J. (2001). Viable bacteria in root dentinal tubules of teeth with apical periodontitis. *Journal of Endodontics*, 27(2), 76-81.
- Peters, L. B., van Winkelhoff, A. J., Buijs, J. F., and Wesselink, P. R. (2002). Effects of instrumentation, irrigation and dressing with calcium hydroxide on infection in pulpless teeth with periapical bone lesions. *International Endodontics Journal*, 35(1), 13-21.
- Pineda, F. and Kuttler, Y. (1972). Mesiodistal and buccolingual roentgenographic investigation of 7,275 root canals. *Oral Surgery, Oral Medicine, and Oral Pathology*, 33(1), 101-110.
- Pinheiro, E. T., Gomes, B. P., Ferraz, C. C., Sousa, E. L., Teixeira, F. B., and Souza-Filho, F. J. (2003). Microorganisms from canals of root-filled teeth with periapical lesions. *International Endodontics Journal*, 36(1), 1-11.
- Pisano, J. V. and Weiné F. S. (2004). *Endodontic Therapy* (6<sup>th</sup> ed). Canada: Toronto.
- Podbielski, A., Spahr, A., and Haller, B. (2003). Additive antimicrobial activity of calcium hydroxide and chlor hexidine on common endodontic bacterial pathogens. *Journal of Endodontics*, 29(5), 340-345.
- Portenier, I., Haapasalo, H., Orstavik, D., Yamauchi, M., and Haapasalo, M. (2002). Inactivation of the antibacterial activity of iodine potassium iodide and chlorhexidine digluconate against *Enterococcus faecalis* by dentin, dentin matrix, type-I collagen, and heat killed microbial whole cells. *Journal of Endodontics*, 28(9), 634-637.
- Schafer, E. and Bossmann, K. (2005). Antimicrobial efficacy of chlorhexidine and two calcium hydroxide formulations against *Enterococcus faecalis*. *Journal of Endodontics*, 31(1), 53-56.
- Sigurdsson, A., Stancill, R. and Madison, S. (1992). Intracanal placement of Ca(OH)<sub>2</sub>: a comparison of techniques. *Journal of Endodontics*, 18(8), 367-370.

- Simon, S. T., Bhat, K. S. and Francis, R. (1995). Effect of four vehicles on the pH of calcium hydroxide and the release of calcium ion. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontics*, 80(4), 459-464.
- Siqueira, J. F. Jr. and de Uzedo, M. (1996). Disinfection by calcium hydroxide pastes of dentinal tubules infected with two obligate and one facultative anaerobic bacteria. *Journal of Endodontics*. 22(12), 674-676.
- Siqueira, J. F. and de Uzedo, M. (1998). Influence of different vehicles on the antimicrobial effects of calcium hydroxide. *Journal of Endodontics*. 24(10), 663-665.
- Siqueira, J. F. Jr. and Lopes, H. P. (1999). Mechanisms of antimicrobial activity of calcium hydroxide: a critical review. *International Endodontics Journal*, 32(5), 361-369.
- Siqueira, J. F. Jr., Rocas, I. N., Lopes, H. P., Elias, C. N. and de Uzedo, M. (2002). Fungal infection of the radicular dentin. *Journal of Endodontics*, 28(11), 770-773.
- Sjogren, U., Figdor, D., Spangberg, L. and Sundqvist, G. (1991). The antimicrobial effect of calcium hydroxide as a short-term intracanal dressing. *International Endodontics Journal*, 24(3), 119-125.
- Stamos, D. G., Haasch, G.C. and Gerstein, H. (1985). The pH of local anesthetic/calcium hydroxide solutions. *Journal of Endodontics*, 11(6), 264-265.
- Stuart, K. G., Miller, C. H., Brown, C. E. Jr. and Newton, C. W., (1991). The comparative antimicrobial effect of calcium hydroxide. *Oral Surgery, Oral Medicine, and Oral Pathology*, 72(1), 101-104.
- Teixeira, F. B., Levin, L. G. and Trope M. (2005). Investigation of pH at different dentinal sites after placement of calcium hydroxide dressing by two methods. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontics*, 99(4), 511-516.

- Tidmarsh, B. G. and Arrowsmith, M. G. (1989). Dentinal tubules at the root ends of apiced teeth: a scanning electron microscopic study. *International Endodontics Journal*, 22(4), 184-189.
- Tronstad, L., Andreasen, J., Hasselgren, G., Kristenson, L. and Riis, I. (1981). pH changes in dental tissues after root canal filling with calcium hydroxide. *Journal of Endodontics*, 7(1), 17-21.
- Vertucci, F. J. (1984). Root canal anatomy of the human permanent teeth. *Oral Surgery, Oral Medicine, and Oral Pathology*, 58(5), 589-599.
- Walton, R. E. (1984). Intracanal medicaments. *Dental Clinics of North America*, 28(4), 783-796.
- Wang, J.D. and Hume, W.R. (1988). Diffusion of hydrogen ion and hydroxyl ion from various sources through dentin. *International Endodontics Journal*, 21(1), 17-26.
- Waltimo, T. M., Siren, E. K., Orstavik, D. and Haapasalo, M. P. (1999). Susceptibility of oral *Candida* species to calcium hydroxide in vitro. *International Endodontics Journal*, 32(2), 94-98.
- White, R. R., Hays, G. L. and Janer, L. R. (1997). Residual antimicrobial activity after canal irrigation with chlorhexidine. *Journal of Endodontics*, 23(4), 229-231.
- Wu, J., Lemons, B. J., Lacefield, W. and Heaven, T. (1989). Smear layer effect on dentin permeability following calcium hydroxide treatments. *Journal of Endodontics*, 15, 175.
- Zehnder, M. (2006). Root canal irrigants. *Journal of Endodontics*, 32(5), 389-390.
- Zerella, J. A., Fouad, A. F. and Spangberg, L. S. (2005). Effectiveness of calcium hydroxide and chlorhexidine digluconate mixture as disinfectant during retreatment of failed endodontic cases. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontics*, 100(6), 756-761.

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