

DAFTAR PUSTAKA

1. Lee SJ, Wu MK, Wesselink PR. The efficacy of ultrasonic irrigation to remove artificially placed dentine debris from different-sized simulated plastic root canals. *Int Endod J*. 2004;37:607-12.
2. Brännström M, Garberoglio R. The dentinal tubules and the odontoblast processes. A scanning electron microscopic study. *Acta Odontol Scand* 1972;30:291-311.
3. Torabinejad M, Handysides R, Khademi AA, et al. Clinical implications of the smear layer in endodontics: a review. *Oral Surg Oral Med Oral*
4. Fraser JG. Chelating agents: their softening effect on root canal dentine. *Oral Surgery, Oral Medicine, Oral Pathology* 1975;37: 803–836.
5. Yang SE, Bae KS. Scanning electron microscopy study of the adhesion of *Prevotella nigrescens* to the dentin of prepared root canals. *J Endod* 2002; 28:433-7.
6. Jensen SA, Walker TL, Hutter JW, Nicoll BK. Comparison of the cleaning efficacy of passive sonic activation and passive ultrasonic activation after hand instrumentation in molar root canals. *J Endod*. 1999;25:735–8.
7. Desai P, Himel V. Comparative safety of various intracanal irrigation systems. *J Endod*. 2009;35:545–9.
8. Plotino G, Pameijer CH, Grande NM, Somma F. Ultrasonics in endodontics: a review of the literature. *J Endod*. 2007;33(2):81–95.
9. *Appropriateness of Care and Quality Assurance Guideline*, 3rd edition. Chicago; American Association of Endodontists, 1993:3.
10. Sundqvist G, Figdor D. Endodontic treatment of apical periodontitis, In: Ørstavik D, Pitt Ford TR, eds, *Essential Endodontology*, Cambridge; Blackwell Science, 1998; 242-77.
11. Zehnder M. *Root Canal Irrigants*. *J Endod*; 2006: 32:389-398.
12. Torabinejad M, Handysides R, Khademi A, Bakland LK. *Clinical Implications of The Smear Layer in Endodontics: A review*. *Oral Surg Med Oral Pathol Oral Radiol Endod* Vol 93(6).[Serial online] 2002 [Dec

2002]. p. 94,658-666. Available online: URL: <http://www.ncbi.nlm.nih.gov/pubmed/12464887>

13. Klyn SL, Kirkpatrick TC, Rutledge RE. in vitro comparison of debris removed of the Endoactivator System, the F File, ultrasonic irrigation, and NaOCl irrigation alone after hand rotary instrumentation in human mandibular molars. *J Endod.* 2010;36:1367-71.
14. Grossman L.I., Oliet S., Del R.C.E. *Endodontic Practice* 11th ed. Philadelphia : Lea and Febiger; 1995 p. 263-285.
15. Harshanur, Itjiningsih. 1991. *Anatomi Gigi*. Jakarta: EGC hal 22.
16. Weine, FS. Initiating. Endodontic Treatment In: Weine FS(ed). *Endodontic Therapy* 6th St. Louis: Mosby Inc, 2004: 106-107
17. Weine FS. *Endodontic therapy*. 4rd ed. St. Louis: Mosby Co; 1989. p. 445-69.
18. Ten Cate, A.R.: *Oral Histology: Development, Structure and Function*, St. Louis, C.V. Mosby, 1980.
19. Linde, A.: *Dentin and Dentinogenesis*, Vols. I and I, Boca Ranton, FL, CRC Press, 1984.
20. Stanley, H.R.: *Human Pulp Response to Restorative Dental Procedures*, Rev.Ed. Gainesville, FL. Stoter Printing, 1981.
21. Shanon Patel, Justin J. Barnes. *Prinsip endodontik* 2nd ed. Oxford university, 2013.
22. Garberoglio, R., and Brannstrom, M.: *Arch, Oral Biol.*, 21: 355, 1976.
23. Hadriyanto W. Apical leakage akibat teknik kondensasi vertikal dan lateral pada pengisian saluran akar dengan gutta point. *Lustrum V FKG UGM*: 109; 1985.
24. Gardjito K. Beberapa teknik pengisian saluran akar dengan gutta percha. *Simposium Mempertahankan Gigi Selama Mungkin: Lustrum Unair VII*; 1989.
25. Bystrom, A. & Sundqvist, G. (1985) The antibacterial action sodium hypochlorite and EDTA in 60 cases of endodontic therapy. *International endodontic*,31, 663-667.

26. Hu'lsmann M, Hahn W. Complications during root canal irrigation: literature review and case reports [review]. *Int Endod J* 2000;33:186–93.
27. Dakin HD. The antiseptic action of hypochlorite. *British Medical Journal* 1915; December: 809–810.
28. Byström A, Sundqvist G. Bacteriologic evaluation of the effect of 0.5% sodium hypochlorite in endodontic therapy. *Oral Surgery, Oral Medicine, Oral Pathology* 1983; **55**: 307–312.
29. Safavi E, Spangberg L, Langeland K. Root canal dentine tubule disinfection. *Journal of Endodontics* 1990; 16: 207–210.
30. Spangberg LSW, Haapasalo M. Rationale and efficacy of root canal medicaments and root filling materials with emphasis on treatment outcome. *Endodontic Topics* 2002; **2**: 35–58.
31. Shabahang S, Pouresmail M, Torabinejad M. *In vitro* antimicrobial efficacy of MTAD and sodium. *J Endod.* 2003;29:450–452.
32. Shabahang S, Torabinejad M. Effect of MTAD on *Enterococcus faecalis* contaminated root canals of extracted human teeth. *J Endod.* 2003;29:576– 579.
33. Gonzalez-Lopez S, Camejo-Aguilar D, Sanchez-Sanchez P, Bolanos-Carmona V. Effect of CHX on the decalcifying effect of 10% Citric Acid, 20% Citric Acid or 17% EDTA. *J Endodont.* 2006;32(8):781–784.
34. Block SS. Peroxygen compounds. In: Block SS, editor. *Disinfection, Sterilisation and Preservation*. 4th edn. Philadelphia PA: Lea & Febiger; 1991. pp. 167–181.
35. Heling,I., Irani, E., Karni,S. & Steinberg, D. (1999) *in vitro* antimicrobial effect of RC-Prep Within dentinal tubulus. *Journal of Endodontic*, 25, 782-785.
36. Grawehr, M., Sener, B., Waltimo, T. & Zehnder, M. (2003) Interaction of Ethylenediamine tetraacetic acid with sodium hypochlorite in aqueous solution. *International endodontic journal*, 36, 411-417.
37. Von der Fehr FR, Nygaard-Østby B. Effects of EDTAC and sulfuric acid on root canal dentine. *Oral Surgery, Oral Medicine, Oral Pathology* 1963; **16**: 199–205.

38. Matos Neto M, Santos SS, Leão MV, Habitante SM, Rodrigues JR, Jorge AO. Effectiveness of three instrumentation systems to remove *Enterococcus faecalis* from root canals. *Int Endod J* 2012;45:435-438.
39. Soares JA, Roque de Carvalho MA, Cunha Santos SM, Mendonça RM, Ribeiro-Sobrinho AP, Brito-Júnior M, et al.. Effectiveness of chemomechanical preparation with alternating use of sodium hypochlorite and EDTA in eliminating intracanal *Enterococcus faecalis* biofilm. *J Endod* 2010;36:894-898.
40. Gu LS, Kim JR, Ling J, Choi KK, Pashley DH, Tay FR. Review of contemporary irrigant agitation techniques and devices. *J Endod* 2009;35:791-804.
41. van der Sluis LW, Gambarini G, Wu MK, Wesselink PR. The influence of volume, type of irrigant and flushing method on removing artificially placed dentine debris from the apical root canal during passive ultrasonic irrigation. *Int Endod J* 2006;39: 472–6.
42. Garcez AS, Nunez SC, Lage-Marques JL, Hamblin MR, Ribeiro MS. Photonic real-time monitoring of bacterial reduction in root canals by genetically engineered bacteria after chemomechanical endodontic therapy. *Braz Dent J* 2007;18:202-207
43. Kahn FH, Rosenberg PA, Gliksberg J. An in vitro evaluation of the irrigating characteristics of ultrasonic and subsonic handpieces and irrigating needles and probes. *J Endod* 1995;21:277–80.
44. Hauser V, Braun A, Frentzen M. Penetration depth of a dye marker into dentine using a novel hydrodynamic system (RinsEndo). *Int Endod J* 2007;40:644–52.
45. Schoeffel GJ. The EndoVac method of endodontic irrigation: part 2—efficacy. *Dent Today* 2008;27:82,84,86–87.
46. Machtou P. Irrigation investigation in endodontics. Paris VII University, Paris, France: Masters thesis; 1980.
47. Caron G. Cleaning efficiency of the apical millimeters of curved canals using three different modalities of irrigant activation: an SEM study. Paris VII University, Paris, France: Masters thesis; 2007.
48. Wiggins S, Ottino JM. Foundations of chaotic mixing. *Philos Transact A Math Phys Eng Sci* 2004;362:937–70.

49. Pitt WG. Removal of oral biofilm by sonic phenomena. *Am J Dent* 2005;18:345–52.
50. Ruddle CJ. Endodontic disinfection: tsunami irrigation. *Endod Practice* 2008. Feb:7–15.
51. Ruddle CJ. Cleaning and shaping the root canal system. In: Cohen S, Burns RC, eds. *Pathways of the pulp*. 8th ed. St Louis: Mosby, Inc; 2002:231–91.
52. Martin H, Cunningham WT, Norris JP, Cotton WR. Ultrasonic versus hand filing of dentin: a quantitative study. *Oral Surg Oral Med Oral Pathol* 1980;49:79–81
53. Walmsley AD, Williams AR. Effects of constraint on the oscillatory pattern of endosonic files. *J Endod* 1989;15:189–94.
54. van der Sluis LW, Versluis M, Wu MK, Wesselink PR. Passive ultrasonic irrigation of the root canal: a review of the literature. *Int Endod J* 2007;40:415–26.
55. Stamos DE, Sadeghi EM, Haasch GC, Gerstein H. An in vitro comparison study to quantitate the debridement ability of hand, sonic, and ultrasonic instrumentation. *J Endod* 1987;13:434–40.
56. Plotino G, Pameijer CH, Grande NM, Somma F. Ultrasonics in endodontics: a review of the literature. *J Endod*. 2007;33:81–95.
57. S. L. Flegler, J. W. Heckman Jr. and K. L. Klomparens, *Scanning and Transmission Electron Microscopy*, W. H. Freeman and Company, New York (1993).
58. Juan Gonzalo Olivieri, dkk. *Effect of manual dynamic activation with citric acid solutions in smear layer removal: A scanning electron microscopic evaluation*. *Journal of Dental Science* (2016) 11, 360-364.
59. Saber Sel-D, Hashem AA. *Efficacy of different final irrigation activation techniques on smear layer removal*. *J Endod*. 2011 Sep;37(9):1272–5.
60. Bronnec F, Bouillaguet S, Machtou P. *Ex vivo assessment of irrigant penetration and renewal during the final irrigation regimen*. *Int Endod J*. 2010 Aug;43(8):663–72.
61. Puneet A, Suresh N, Suma B, and Natanasabapathy V. *Effectiveness of Four Different Final Irrigation Activation Techniques on Smear Layer*

Removal in Curved Root Canals : A Scanning Electron Microscopy Study.
J Dent, 2014 jan; 11(1); 1-9.

62. Van der sluis LW, Wu MK, Wessenlink PR *The Efficacy of Ultrasonic Irrigation to Remove Artificially placed dentin Debris from Human Root Canal Prepared Using Instriments of Varying Taper.* Int Endod J. 2005 Oct; 38 (10); 764-8.
63. Van Der Sluis LW, Versluis M, Wu MK, Wesselink PR. *Passive Ultrasonic Irrigation of The Root Canal; a Review of the Literature.* Int Endod J, 2007 jun; 40(6); Epub 2007 Apr 17.

