



Pit and Fissure Sealants

References

References:

1. Rethman, J., *Trends in preventive care: caries risk assessment and indications for sealants*. J Am Dent Assoc, 2000. **131**(suppl_1): p. 8S-12.
2. *Pit and fissure sealants*. J Am Dent Assoc, 2002. **133**(9): p. 1274-1275.
3. American Dental Association Council on Scientific Affairs, A., *The use of dental radiographs: Update and recommendations*. J Am Dent Assoc, 2006. **137**(9): p. 1304-1312.
4. Beauchamp, J., et al., *Evidence-Based Clinical Recommendations for the Use of Pit-and-Fissure Sealants: A Report of the American Dental Association Council on Scientific Affairs*. J Am Dent Assoc, 2008. **139**(3): p. 257-268.
5. Oong, E.M., et al., *The effect of dental sealants on bacteria levels in caries lesions: a review of the evidence*. J Am Dent Assoc, 2008. **139**(3): p. 271-8; quiz 357-8.
6. Kolavic Gray, S., et al., *A comparison of the effects of tooth brushing and handpiece prophylaxis on retention of sealants*. J Am Dent Assoc, 2009. **140**(1): p. 38-46.
7. Ahovuo-Saloranta, A., et al., *Pit and fissure sealants for preventing dental decay in the permanent teeth of children and adolescents*. Cochrane Database Syst Rev, 2008(4): p. CD001830.
8. Bojanini, J., et al., *Effectiveness of pit and fissure sealants in the prevention of caries*. J Prev Dent, 1976. **3**(6): p. 31-4.
9. Brooks, J.D., et al., *Comparative study of 2 pit and fissure sealants - 3-year results in Augusta, GA*. Journal of the American Dental Association, 1979. **99**(1): p. 42-46.
10. Brooks, J.D., et al., *Comparative study of 2 pit and fissure sealants - 2-year results in Augusta, GA*. Journal of the American Dental Association, 1979. **98**(5): p. 722-725.
11. Charbeneau, G.T. and J.B. Dennison, *Clinical success and potential failure after single application of a pit and fissure sealant - 4-year report*. Journal of the American Dental Association, 1979. **98**(4): p. 559-564.
12. Hunter, P.B., *A study of pit and fissure sealing in the School Dental Service*. N Z Dent J, 1988. **84**(375): p. 10-2.
13. Sheykholeslam, Z. and M. Houpt, *Clinical effectiveness of an auto-polymerized fissure sealant after 2 years*. Community Dentistry and Oral Epidemiology, 1978. **6**(4): p. 181-184.
14. Bravo, M., et al., *Sealant and fluoride varnish in caries: a randomized trial*. Journal of Dental Research, 2005. **84**(12): p. 1138-1143.
15. Griffin, S.O., et al., *The Effectiveness of Sealants in Managing Caries Lesions*. Journal of Dental Research, 2008. **87**(2): p. 169-174.
16. Frencken, J.E., et al., *Three-year survival of one-surface ART restorations and glass-ionomer sealants in a school oral health programme in Zimbabwe*. Caries Research, 1998. **32**(2): p. 119-126.



Alliance for a Cavity-Free Future

Stop Caries NOW for a Cavity-Free Future

An Oral Health Resource

17. Heller, K.E., et al., *Longitudinal evaluation of sealing molars with and without incipient dental-caries in a public-health program*. Journal of Public Health Dentistry, 1995. **55**(3): p. 148-153.
18. Florio, F.M., et al., *Evaluation of non-invasive treatment applied to occlusal surfaces*. Journal of Dentistry for Children, 2001. **68**(5-6): p. 326-+.
19. Gibson, G.B. and A.S. Richardson, *Sticky fissure management. 30-month report*. J Can Dent Assoc, 1980. **46**(4): p. 255-8.
20. Going, R.E., et al., *2-Year clinical evaluation of a pit and fissure sealant*. Journal of the American Dental Association, 1976. **92**(3): p. 578-585.
21. Mertzfairhurst, E.J., G.S. Schuster, and C.W. Fairhurst, *Arresting caries by sealants - results of a clinical study*. Journal of the American Dental Association, 1986. **112**(2): p. 194-197.
22. Yengopal, V. and S. Mickenautsch, *Resin-modified glass-ionomer cements versus resin-based materials as fissure sealants: a meta-analysis of clinical trials*. Eur Arch Paediatr Dent. **11**(1): p. 18-25.
23. Yengopal, V., et al., *Caries-preventive effect of glass ionomer and resin-based fissure sealants on permanent teeth: a meta analysis*. J Oral Sci, 2009. **51**(3): p. 373-82.
24. Forss, H. and E. Halme, *Retention of a glass ionomer cement and a resin-based fissure sealant and effect on carious outcome after 7 years*. Community Dentistry and Oral Epidemiology, 1998. **26**(1): p. 21-25.
25. Kervanto-Seppala, S., et al., *Comparing the caries-preventive effect of two fissure sealing modalities in public health care: a single application of glass ionomer and a routine resin-based sealant programme. A randomized split-mouth clinical trial*. Int J Paediatr Dent, 2008. **18**(1): p. 56-61.
26. Poulsen, S., N. Beiruti, and N. Sadat, *A comparison of retention and the effect on caries of fissure sealing with a glass-ionomer and a resin-based sealant*. Community Dent Oral Epidemiol, 2001. **29**(4): p. 298-301.
27. Songpaisan, Y., et al., *Effects of glass ionomer cement, resin-based pit and fissure sealant and HF applications on occlusal caries in a developing country field trial*. Community Dent Oral Epidemiol, 1995. **23**(1): p. 25-9.
28. Arrow, P. and P.J. Riordan, *Retention and caries preventive effects of a GIC and a resin-based fissure sealant*. Community Dent Oral Epidemiol, 1995. **23**(5): p. 282-5.
29. Beiruti, N., et al., *Caries-preventive effect of a one-time application of composite resin and glass ionomer sealants after 5 years*. Caries Res, 2006. **40**(1): p. 52-9.
30. Ganesh, M. and S. Tandon, *Clinical evaluation of FUJI VII sealant material*. J Clin Pediatr Dent, 2006. **31**(1): p. 52-7.
31. Mills, R.W. and I.A. Ball, *A clinical trial to evaluate the retention of a silver cermet-ionomer cement used as a fissure sealant*. Oper Dent, 1993. **18**(4): p. 148-54.
32. *Promoting oral health: interventions for preventing dental caries, oral and pharyngeal cancers, and sports-related craniofacial injuries. A report on recommendations of the task force on community preventive services*. MMWR Recomm Rep, 2001. **50**(RR-21): p. 1-13.
33. Kallestal, C., et al., *Economic evaluation of dental caries prevention: a systematic review*. Acta Odontol Scand, 2003. **61**(6): p. 341-6.



Alliance for a Cavity-Free Future

Stop Caries NOW for a Cavity-Free Future

An Oral Health Resource

34. Goggin, G., D.M. O'Mullane, and H. Welton, *The effectiveness of a combined fluoride mouthrinse and fissure sealant programme*. J Ir Dent Assoc, 1991. **37**(2): p. 38-40.
35. Leverett, D.H., et al., *Use of sealants in the prevention and early treatment of carious lesions: cost analysis*. J Am Dent Assoc, 1983. **106**(1): p. 39-42.
36. Morgan, M.V., S.J. Crowley, and C. Wright, *Economic evaluation of a pit and fissure dental sealant and fluoride mouthrinsing program in two nonfluoridated regions of Victoria, Australia*. J Public Health Dent, 1998. **58**(1): p. 19-27.
37. Simonsen, R.J., *Retention and effectiveness of a single application of white sealant after 10 years*. J Am Dent Assoc, 1987. **115**(1): p. 31-6.
38. Quiñonez, R.B., et al., *Assessing Cost-Effectiveness of Sealant Placement in Children*. Journal of Public Health Dentistry, 2005. **65**(2): p. 82-89.
39. Weintraub, J.A., et al., *Treatment Outcomes and Costs of Dental Sealants Among Children Enrolled in Medicaid*. American Journal of Public Health, 2001. **91**(11): p. 1877-1881.
40. Gooch, B.F., et al., *Preventing Dental Caries Through School-Based Sealant Programs: Updated Recommendations and Reviews of Evidence*. J Am Dent Assoc, 2009. **140**(11): p. 1356-1365.
41. Griffin, S.O., et al., *Exploring Four-Handed Delivery and Retention of Resin-Based Sealants*. J Am Dent Assoc, 2008. **139**(3): p. 281-289.