

Evidence Based Dentistry

Clinical questions - formulation

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Patient Scenario 1

Patient or problem	Intervention	Alternative intervention	Outcome
Six year old children with newly erupted 1. molars OR Newly erupted molars OR Children with newly erupted molars	Fissure sealant	Patient education OR No intervention OR Fluoride application OR Enameloplasty	Caries incidence OR Cost issues

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Patient Scenario 1

- Pit and fissure sealants for preventing dental decay in the permanent teeth of children and adolescents [protocol] systematic review International Cochrane Collaboration The Cochrane Library 2000, Issue 2 Ahovuo-Saloranta A, Hiiri A, Nordblad A, Mäkelä M, Murtomaa H <http://www.update-software.com/clibhome/clibip.htm>
- Dental sealants review USA ADA Council on Access, Prevention and Inter-professional Relations / Council on Scientific Affairs J Am Dent Assoc 1997;128:485-8

Patient Scenario 2

Patient or problem	Intervention	Alternative intervention	Outcome
Symptomatic oral lichen planus OR and Women OR and Age	Herbal tea	Topical steroids OR Topical anaesthetics OR Anxiolytic agents	Relief OR Pain

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Patient Scenario 2

- Interventions for treating oral lichen planus systematic review. International Cochrane Collaboration. The Cochrane Library 2000, Issue 2 Chan ES-Y, Thornhill M, Zakrzewska J
<http://www.update-software.com/clibhome/clibip.htm>

Patient Scenario 3

Patient or problem	Intervention	Alternative intervention	Outcome
Poor dental health in community	Oral health promotion in primary schools OR and carried out by dentists (?) / dental personnel (?) / other auxiliaries (?)	Water fluoridation OR Topical fluoridation OR Different oral health promotion strategy	Caries incidence OR Cost issues

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Patient Scenario 3

- Effectiveness of oral health promotion: a systematic review UK London: Health Education Authority Health Promotion Effectiveness Rev 1997;7:1-88. Kay E J, Locker D
- An update of mechanical oral hygiene practices: evidence-based recommendations for disease prevention review/guidelines in Canada J Can Dent Assoc 1998;64:295-302 Brothwell DJ, Jutai DK, Hawkins RJ

Patient Scenario 4

Patient or problem	Intervention	Alternative intervention	Outcome
Patients with alveolar bone loss	Membrane tissue regeneration	No intervention OR Periodontal surgery OR Bone augmentation OR Autogeneous bone OR Bone grafts	Tooth loss OR Pocket depth reduction OR Bone gain OR Cost/benefit

Patient Scenario 4

Guided tissue regeneration for periodontal infra-bony defects [systematic review] systematic review International Cochrane Collaboration The Cochrane Library 2001, Issue 2 Needleman IG, Giedrys-Leeper E, Tucker RJ <http://www.update-software.com/clibhome/clibip.htm>

Patient Scenario 5

Patient or problem	Intervention	Alternative intervention	Outcome
Need for information	Amalgam restorations	Composite restorations OR Non-amalgam restorations OR Tooth-colored restorations	Durability OR Cost issues OR Indication and feasibility OR Biocompatibility/toxicity

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Patient Scenario 5

NHS review: Dental restoration: what type of filling? York: NHSCRD Effective Health Care bulletin 5:2.

<http://www.york.ac.uk/inst/crd/ehc52.pdf>

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Patient Scenario 6

Patient or problem	Intervention	Alternative intervention	Outcome
A-symptomatic impacted wisdom teeth	Extraction	No Extraction	Adverse effects OR Caries OR Cyst formation OR Pain OR Swelling OR Fracture OR Lower incisor crowding

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Patient Scenario 6

- The effectiveness and cost-effectiveness of the prophylactic removal of wisdom teeth systematic review/guidelines UK NHS R&D Health Technology Assessment Programme Health Technology Assessment 2000; 4:15 [NHS R&D HTA](#)
- Management of Unerupted and Impacted Third Molar Teeth guidelines Scotland Scottish Intercollegiate Guidelines Network (SIGN) SIGN Publication 43 [SIGN](#)
