

Evidence Based Dentistry

Clinical questions - formulation

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Patient Scenario 1

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

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 |

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 |

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](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 |

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>

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 |

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