
Composite resin and amalgam dental filling materials: a review of safety, clinical effectiveness and cost-effectiveness

CADTH

Record Status

This is a bibliographic record of a published health technology assessment from a member of INAHTA. No evaluation of the quality of this assessment has been made for the HTA database.

Citation

CADTH. Composite resin and amalgam dental filling materials: a review of safety, clinical effectiveness and cost-effectiveness. Ottawa: Canadian Agency for Drugs and Technologies in Health (CADTH). 2012

Authors' conclusions

Six randomized controlled trials were identified in the reviewed literature; each research question was evaluated in two trials. There was a strong evidence of amalgam safety when used in children 6 to 10 years old. However, there was limited information to evaluate the evidence of potential harms caused by composite. There was a suggestive evidence of longer longevity of dental amalgams than composites. Although the costs reported in the review may not reflect the Canadian prices, the long-term costs of both fillings suggest a relative cheaper price of amalgam material.

Final publication URL

<http://www.cadth.ca/media/pdf/htis/june-2012/RC0358%20Dental%20amalgam%20Final.pdf>

Indexing Status

Subject indexing assigned by CRD

MeSH

Humans; Dental Restoration, Permanent; Dental Amalgam; Cost-Benefit Analysis

Language Published

English

Country of organisation

Canada

Province or state

Ontario

English summary

An English language summary is available.

Address for correspondence

Canadian Agency for Drugs and Technologies in Health (CADTH), 865 Carling Avenue, Suite 600, K1S 5S8 Ottawa, Ontario Canada Email: htainfo@cadth.ca

AccessionNumber

32012000684

Date abstract record published

28/09/2012