Total prosthetic replacement of the temporomandibular joint: a rapid evidence assessment and economic analysis

Institute of Health Economics

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

Authors' conclusions
TMJ replacement is a last-chance procedure for those with the most advanced and debilitating forms of TMJ derangement. TMJ replacement within Alberta is unable to keep pace with current demand, primarily because of the lack of qualified oral maxillofacial surgeons within the province and limitations in available OR time. Evidence from nine case series studies indicates that total TMJ replacement provides patients with stable improvement in incisal opening, jaw and diet function, and reduced pain for at least up to two years. The same studies indicate minimal risk of serious adverse events over the same time period. Given the relatively young age of TMJ prosthetic replacement recipients, evidence on the long-term effectiveness and need for additional TMJ prostheses over a patient's lifetime would be useful.

Final publication URL

Additional data URL
http://www.health.alberta.ca/initiatives/health-evidence-reviews-list.html

Indexing Status
Subject indexing assigned by CRD

MeSH
Humans; Temporomandibular Joint; Temporomandibular Joint Disorders; Surgery, Oral; Cost-Benefit Analysis; Prosthesis Implantation

Language Published
English

Country of organisation
Canada

Province or state
Alberta

English summary
An English language summary is available.

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AccessionNumber
32013000701

Date abstract record published
09/10/2013