TITLE: Bilateral Joint Replacement Procedures for the Hip or the Knee: Guidelines and Evidence for an Optimal Timeframe for Second Joint Replacement Surgery

DATE: 10 February 2009

RESEARCH QUESTIONS:

1. Is there evidence to support an optimal timeframe for which second joint replacement surgery should take place in adult patients requiring bilateral joint replacement for the hip or the knee?

2. What are the guidelines for second joint replacement surgery in adult patients requiring bilateral joint replacement for the hip or the knee?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 1, 2009), University of York Centre for Reviews and Dissemination (CRD) databases, ECRI, EuroScan, international health technology agencies, and a focused Internet search. Results include articles published between 2004 and February 2009, and are limited to English language publications only. No filters were applied to limit the retrieval by study type. Internet links are provided, where available.

RESULTS:

HTIS reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are presented first. These are followed by randomized controlled trials, controlled clinical trials, observational studies, and evidence-based guidelines.

One meta-analysis and nine observational studies regarding evidence supporting an optimal timeframe for which second joint replacement surgery should take place in adult patients requiring bilateral joint replacement for the hip or the knee were identified. No relevant health
technology assessments, systematic reviews, randomized controlled trials, controlled clinical trials, or evidence-based guidelines were identified.

**Health technology assessments**
No literature identified

**Systematic reviews and meta-analyses**

**Randomized controlled trials**
No literature identified

**Controlled clinical trials**
No literature identified

**Observational studies**


Abstract:  
http://www3.interscience.wiley.com/journal/118713953/abstract
(accessed 05 Feb 2009)

**Guidelines and recommendations**
No literature identified

**PREPARED BY:**
Michelle Clark, BSc, Research Assistant
Charlene Argáez, MLIS, Information Specialist
Health Technology Inquiry Service
Email: htis@cadth.ca
Tel: 1-866-898-8439