

CADTH RAPID RESPONSE REPORT: REFERENCE LIST

# Post-Operative Follow-Up Procedures for Hip Fracture Surgery Patients: Clinical Effectiveness, Cost- Effectiveness, and Guidelines

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## Research Questions

1. What is the clinical effectiveness of six-week follow-up procedures (i.e., x-ray and/or appointment) after hip fracture surgery?
2. What is the cost-effectiveness of six-week follow-up procedures (i.e., x-ray and/or appointment) after hip fracture surgery?
3. What are the evidence-based guidelines regarding six-week follow-up procedures (i.e., x-ray and/or appointment) after hip fracture surgery?

## Key Findings

No evidence was identified regarding the clinical effectiveness or cost-effectiveness of six-week follow-up procedures (i.e., x-ray and/or appointment) after hip fracture surgery. Furthermore, no evidence-based guidelines were identified regarding six-week follow-up procedures (i.e., x-ray and/or appointment) after hip fracture surgery.

## Methods

A limited literature search was conducted by an information specialist on key resources including PubMed, the Cochrane Library, the University of York Centre for Reviews and Dissemination (CRD) databases, the websites of Canadian and major international health technology agencies, as well as a focused internet search. The search strategy was comprised of both controlled vocabulary, such as the National Library of Medicine's MeSH (Medical Subject Headings), and keywords. The main search concepts were follow-up procedures and hip fracture surgery. Search filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses, or network meta-analyses, randomized controlled trials or controlled clinical trials, economic studies and guidelines. A supplemental focused search without search filters was also conducted using major subject headings and keywords in title only. Where possible, retrieval was limited to the human population. The searches were also limited to English language documents published between January 1, 2015 and June 29, 2020. Internet links were provided, where available.

## Selection Criteria

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.

**Table 1: Selection Criteria**

<b>Population</b>	Surgical hip fracture patients of any age
<b>Intervention</b>	Six-week follow-up appointment and/or x-ray after hip fracture surgery
<b>Comparators</b>	Q1-2: No follow-up after hip fracture surgery, 12-week follow-up, usual care Q3: No comparator
<b>Outcomes</b>	Q1: Clinical effectiveness (e.g., healing time, function, mobility or mobilization, wound healing, quality of life); Safety (e.g., prevention or decreased incidence of post-operative infections, adverse events [e.g., mortality, contact rashes, skin issues, hardware failure]) Q2: Cost-effectiveness (e.g., cost per benefit gained, quality adjusted life years, incremental cost-effectiveness ratios) Q3: Recommendations regarding the use of follow-up procedures at six-weeks, including x-ray and/or follow-up appointments

**Study Designs**

Health technology assessments, systematic reviews, randomized controlled trials, non-randomized studies, economic evaluations, evidence-based guidelines

**Results**

No relevant health technology assessments, systematic reviews, randomized controlled trials, non-randomized studies, or economic evaluations were identified regarding the clinical effectiveness or cost-effectiveness of six-week follow-up procedures (i.e., x-ray and/or appointment) after hip fracture surgery. Furthermore, no evidence-based guidelines were identified regarding six-week follow-up procedures (i.e., x-ray and/or appointment) after hip fracture surgery.

References of potential interest that did not meet the inclusion criteria are provided in the appendix.

**Health Technology Assessments**

No literature identified.

**Systematic Reviews and Meta-Analyses**

No literature identified.

**Randomized Controlled Trials**

No literature identified.

**Non-Randomized Studies**

No literature identified.

**Economic Evaluations**

No literature identified.

**Guidelines and Recommendations**

No literature identified.

## Appendix — Further Information

### Previous CADTH Reports

1. Post-Operative Follow-Up for Elderly Hip Fracture Surgery Patients: Clinical Effectiveness and Guidelines. (Rapid response report: summary of abstracts). Ottawa (ON): CADTH. 2015. <https://cadth.ca/post-operative-follow-elderly-hip-fracture-surgery-patients-clinical-effectiveness-and-guidelines> Accessed 2020 Jul 3

### Health Technology Assessments – Study Protocol

2. Czoski Murray CJ, Kingsbury SR, Arden NK, et al. Towards UK poSt Arthroplasty Follow-up rEcommendations (UK SAFE): protocol for an evaluation of the requirements for arthroplasty follow-up, and the production of consensus-based recommendations. *BMJ Open*. 2019 Jun 25;9(6):e031351.  
[PubMed: PM31243039](https://pubmed.ncbi.nlm.nih.gov/31243039/)

### Quality Statement

3. Hip fracture care for people with fragility fractures. (Quality standard). Toronto (ON): Health Quality Ontario. 2017.  
<https://www.hqontario.ca/portals/0/documents/evidence/quality-standards/gs-hip-fracture-clinical-guide-en.pdf> Accessed 2020 Jul 3  
*See: Quality Statement 15: Follow-Up Care, page 42*