

# Accepted Manuscript

Title: The five-year cost-effectiveness of two-level anterior cervical discectomy and fusion or cervical disc replacement: a markov analysis

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1     The Five-Year Cost-Effectiveness of Two-Level Anterior  
2           Cervical Discectomy and Fusion or Cervical Disc  
3                   Replacement: A Markov Analysis  
4

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25 **Background Context:** Anterior cervical discectomy and fusion (ACDF) and cervical  
26 disc replacement (CDR) are both acceptable surgical options for the treatment of cervical  
27 myelopathy and/or radiculopathy. To date, there are limited economic analyses assessing  
28 the relative cost-effectiveness of two-level ACDF versus CDR.  
29

30 **Purpose:** The purpose of this study was to determine the five-year cost-effectiveness of  
31 two-level ACDF versus CDR.  
32

33 **Study Design:** Secondary analysis of prospectively collected data.  
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