

언어구분 KOR                      논문구분 원저/구연                      논문분야 고관절  
논문제목 인공 고관절 재치환술에서 사용되는 조립형대퇴스เต็ม의 사용시 위험인자  
영문제목 **Risk factors related to modular femoral stem failures in revision hip arthroplasty**  
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서론 : The purpose of this study was to analyze failure rates and causes of hip arthroplasty revisions with cementless modular femoral stem.

재료 및 방법 : The purpose of this study was to analyze failure rates and causes of hip arthroplasty revisions with cementless modular femoral stem.

결과 : We observed 80 hips with aseptic loosening, 10 hips with previous revision after infection, 8 hips with periprosthetic fractures and 2 hips with dislocations. Clinical results improved from a preoperative score of 42(HHS) to a postoperative mean score of 81.5. The cause of early failure in 4 hips was identified as femoral stem subsidence, and the cause for late failure in 3 hips due to infection. According to the comparison analysis, there was no statistical significance between femoral bone deficiency ( $p=0.727$ ) and cement ( $p=0.087$ ), but hips with previous revision surgery showed a higher rate of failure ( $p=0.024$ ).

결론 : Cementless modular stems showed satisfactory results. The main cause of failure was subsidence. A significant risk factor was hips which had undergone previous revision surgery since these showed a higher rate of failure.

**acknowledgment :**

Total hip revision, Femoral bone deficiency, Modular femoral stem

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