

언어구분	KOR	논문구분	원저/구연	논문분야	견주관절
논문제목	광범위 회전근개 파열에서 관절경하 봉합술을 시행한 결과 및 영향인자 - 예측인자로서 극하건의 지방 변성과 수술후 좁아진 견봉상완간격 -				
영문제목	Outcome of arthroscopically repaired massive rotator cuff tear and its affecting factors - fatty infiltration of infraspinatus and narrow postoperative acromiohumeral distance as the predictive factors-				
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서론 : The purpose of this study was to evaluate outcomes following arthroscopic repair of massive rotator cuff tears, to verify prognostic factors affecting rotator cuff healing, and further to find out factors affecting functional outcome in failed rotator cuff healing.

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결과 : The anatomical failure rate was 39.8% in arthroscopically repaired massive rotator cuff tears, however, the postoperative functional status was improved regardless of cuff healing ($p < 0.05$). Various factors were associated with cuff healing failure on the univariate analysis, however, only fatty infiltration of the infraspinatus was significantly related to healing failure on the multivariate analysis ($p = 0.024$). Among patients of failed rotator cuff healing, only postoperative acromiohumeral distance was related to functional outcome on multivariate analysis ($p = 0.01$), and its cut-off value was 4.05mm.

결론 : Despite high anatomical failure rate of massive rotator cuff tears, arthroscopic repair could be recommended thanks to the functional improvement. Fatty infiltration of the infraspinatus was the single most important factor negatively affecting cuff healing in massive rotator cuff tears. In addition, narrow postoperative acromiohumeral distance was the most predictive factor for worse functional outcome in failed cuff healing. Further studies with prospective controlled design and longer follow-up are needed to confirm the current result.

acknowledgment :

massive rotator cuff tear, rotator cuff healing, functional outcome, prognostic factors, acromiohumeral distance
