

论著

关节镜下锚钉植入治疗肩关节bankart 损伤疗效分析

李安平, 陈游, 黄国良, 黄添隆

中南大学湘雅二医院骨科, 长沙410011

**摘要:** 目的:探索肩关节镜下锚钉植入固定治疗肩关节bankart 损伤的疗效。方法:采用肩关节镜下锚钉植入治疗复发性肩关节前脱位伴bankart 损伤16 例, 术前均行肩关节X 线和MRI 检查, 按视触动量的顺序检查肩关节, 并与健侧对比并评分, 确诊后在关节镜下行相应部位的锚钉固定, 术后按肩关节康复指导进行肩关节功能锻炼。手术前后肩关节的评分均参照美国加州洛杉矶大学(University of California at Los Angeles, UCLA) 功能评分标准和视觉模拟评分(visual analogue scale, VAS)。结果:全部病例术后随访7~68(中位数25)个月, 术后肩关节稳定性良好, 未出现肩关节再发脱位, UCLA 术前评分20~ 22(20.8±0.8) 分, 终末随访29~35(32.9±1.5) 分, 其中优6 例, 良10 例, 术前及随访终末VAS 评分分别为2~4(3.3±0.8) 和0~1(0.6±0.5)。结论:关节镜下锚钉植入固定治疗肩关节bankart 损伤具有损伤小, 术后恢复快, 疗效确切等优点。

**关键词:** 关节镜 bankart 损伤 肩关节脱位 锚钉固定

Curative effect of arthroscopic suture anchor fixation on shoulder bankart injury

LI Anping, CHEN You, HUANG Guoliang, HUANG Tianlong

Department of Orthopedics, Second Xiangya Hospital, Central South University, Changsha 410011, China

**Abstract:** Objective: To determine the curative effect of arthroscopic suture anchor fixation on shoulder bankart injury.

**Methods:** Sixteen patients with shoulder recurrent dislocation and diagnosed bankart injury were treated with suture anchor fixed by shoulder arthroscopy. Both shoulders of the patients had X-ray, MRI, physical examination before the operation. Suture anchors were used to fix the lesion labrum by shoulder arthroscopy. University of California at Los Angeles (UCLA) score and visual analogue scale (VAS) score were adopted for the final evaluation at the latest follow-up.

**Results:** All patients were followed for a period of 25 (7-68) months. At the latest follow-up, no redislocation and instability occurred. The pre- and post-operation UCLA score was (20.8±0.8) vs (32.9±1.5), excellent in 6, good in 10, with no poor score, while the pre- and post-operation VAS score was (3.3±0.8) vs (0.6±0.5).

**Conclusion:** Suture anchor fixation guided by arthroscopy is good for bankart injury caused by recurrent shoulder dislocation, which has many advantages, such as mini-invasion, rapid recovery and a satisfactory outcome in function and motion.

**Keywords:** arthroscopy bankart lesion dislocation of shoulder suture anchor fixation

收稿日期 2012-11-01 修回日期 网络版发布日期

DOI: 10.3969/j.issn.1672-7347.2013.03.009

基金项目:

湖南省财政厅科研基金 (湘财教指2009[48]号)

通讯作者: 陈游, Email: chenyou137y@sina.com

作者简介: 李安平, 硕士研究生, 医师, 主要从事骨与关节疾病和运动损伤研究。

作者Email: chenyou137y@sina.com

参考文献:

1. Bankart AS. Recurrent or habitual dislocation of the shoulder-joint [J]. Br Med J, 1923, 2(3285): 1132-1133.
2. Zarzycki W. Arthroscopic Bankart repair [J]. Chir Narzadow Ruchu Ortop Po, 2006, 71(4): 309-311.
3. Langford J, Bishop J, Lee E, et al. Outcomes following open repair of Bankart lesions for recurrent, traumatic anterior glenohumeral dislocations [J]. Orthopedics, 2006, 29(11): 1008-1013.
4. Cetik O, Uslu M, Ozsar BK, et al. Open repair of Bankart lesions using suture anchors in hard workers [J]. Acta Orthop Belg, 2006, 72(6): 664-670.

扩展功能

本文信息

- Supporting info
- PDF(893KB)
- [HTML全文]
- 参考文献[PDF]
- 参考文献

服务与反馈

- 把本文推荐给朋友
- 加入我的书架
- 加入引用管理器
- 引用本文
- Email Alert
- 文章反馈
- 浏览反馈信息

本文关键词相关文章

- 关节镜
- bankart 损伤
- 肩关节脱位
- 锚钉固定

本文作者相关文章

- 李安平
- 陈游
- 黄国良
- 黄添隆

PubMed

- Article by LI Anping
- Article by CHEN You
- Article by HUANG Guoliang
- Article by HUANG Tianlong

5. 涂明中, 陈立, 曹博, 等. 关节镜下GII锚钉固定治疗肩关节Bankart损伤 [J]. 临床骨科杂志, 2011, 14(1): 47-48. TU Mingzhong, CHEN Li, CAO Bo, et al. Arthroscopy assisted treatment of shoulder joint Bankart injury with GII anchors [J]. Journal of Clinical Orthopaedics, 2011, 14(1): 47-48.
6. Rook RT, Savoie FH 3rd, Field LD. Arthroscopic treatment of instability attributable to capsular injury or laxity [J]. Clin Orthop Relat Res, 2001, (390): 52-58.
7. Kartus J, Kartus C, Povacz P, et al. Unbiased evaluation of the arthroscopic extra-articular technique for Bankart repair: a clinical and radiographic study with a 2- to 5-year follow-up [J]. Knee Surg Sports Traumatol Arthrosc, 2001, 9(2): 109-115.
8. Arce G, Arcuri F, Ferro D, et al. Is selective arthroscopic revision beneficial for treating recurrent anterior shoulder instability? [J]. Clin Orthop Relat Res, 2012, 470(4): 965-971.
9. Zaffagnini S, Marcheggiani Muccioli GM, Giordano G, et al. Long-term outcomes after repair of recurrent post-traumatic anterior shoulder instability: comparison of arthroscopic transglenoid suture and open Bankart reconstruction [J]. Knee Surg Sports Traumatol Arthrosc, 2012, 20(5): 816-821.
10. Miniaci A, Codsi MJ. Thermal capsulorrhaphy for the treatment of shoulder instability [J]. Am J Sports Med, 2006, 34(8): 1356-1363.
11. Wang C, Ghalambor N, Zarins B, et al. Arthroscopic versus open Bankart repair: analysis of patient subjective outcome and cost [J]. Arthroscopy, 2005, 21(10): 1219-1222.
12. 龚熹, 崔国庆, 王健全. 复发性肩关节前脱位的临床病理表现 [J]. 中华骨科杂志, 2006, 26(6): 399-403. GONG Xi, CUI Guoqing, WANG Jianquan. Clinical pathology of recurrent anterior dislocation of shoulder joint [J]. Chinese Journal of Orthopaedics, 2006, 26(6): 399-403.
13. Kim SJ, Kim TW, Moon HK, et al. A combined transglenoid and suture anchor technique for bony Bankart lesions [J]. Knee Surg Sports Traumatol Arthrosc, 2009, 17(12): 1443-1446.
14. Sommaire C, Penz C, Clavert P, et al. Recurrence after arthroscopic Bankart repair: Is quantitative radiological analysis of bone loss of any predictive value? [J]. Orthop Traumatol Surg Res, 2012, 98(5): 514-519.
15. Kim KC, Rhee KJ, Shin HD. Arthroscopic three-point double-row repair for acute bony Bankart lesions [J]. Knee Surg Sports Traumatol Arthrosc, 2009, 17(1): 102-106.
16. Lai D, Ma HL, Hung SC, et al. Open Bankart repair with suture anchors for traumatic recurrent anterior shoulder instability: comparison of results between small and large Bankart lesions [J]. Knee Surg Sports Traumatol Arthrosc, 2006, 14(1): 82-87.
17. Cole BJ, Warner JJ. Arthroscopic versus open Bankart repair for traumatic anterior shoulder instability [J]. Clin Sports Med, 2000, 19(1): 19-48.
18. Myers JB, Lephart SM. Sensorimotor deficits contributing to glenohumeral instability [J]. Clin Orthop Relat Res, 2002, 400: 98-104.
19. Levy O, Wilson M, Williams H, et al. Thermal capsular shrinkage for shoulder instability. Mid-term longitudinal outcome study [J]. J Bone Joint Surg Br, 2001, 83(5): 640-645.
20. Sperling JW, Anderson K, McCarty EC, et al. Complications of thermal capsulorrhaphy [J]. Instr Course Lect, 2001, 50: 37-41.
21. Stein T, Mehling AP, Ulmer M, et al. MRI graduation of osseous reaction and drill hole consolidation after arthroscopic Bankart repair with PLLA anchors and the clinical relevance [J]. Knee Surg Sports Traumatol Arthrosc, 2012, 20(11): 2163-2173.
22. Flinkkilä T, Hyvönen P, Ohtonen P, et al. Arthroscopic Bankart repair: results and risk factors of recurrence of instability [J]. Knee Surg Sports Traumatol Arthrosc, 2010, 18(12): 1752-1758.
23. Castagna A, Markopoulos N, Conti M, et al. Arthroscopic Bankart suture-anchor repair: radiological and clinical outcome at minimum 10 years of follow-up [J]. Am J Sports Med, 2010, 38(10): 2012-2016.
24. Voos JE, Livermore RW, Feeley BT, et al. Prospective evaluation of arthroscopic bankart repairs for anterior instability [J]. Am J Sports Med, 2010, 38(2): 302-307.
25. 闫辉, 崔国庆, 王健全, 等. 关节镜下Bankart修复术治疗肩关节复发性前脱位: 手术效果及复发危险因素分析 [J]. 中华外科杂志, 2011, 49(7): 597-602. YAN Hui, CUI Guoqing, WANG Jianquan, et al. Arthroscopic bankart repair with suture anchors: results and risk factors of recurrence of instability [J]. Chinese Journal of Surgery, 2011, 49(7): 597-602.
26. Randelli P, Ragone V, Carminati S, et al. Risk factors for recurrence after Bankart repair: a systematic review [J]. Knee Surg Sports Traumatol Arthrosc, 2012, 20(11): 2129-2138.
27. Kavaja L, Pajarinen J, Sinisaari I, et al. Arthrosis of glenohumeral joint after arthroscopic Bankart repair: a long-term follow-up of 13 years [J]. J Shoulder Elbow Surg, 2012, 21(3): 350-355.

本刊中的类似文章

1. 陈游, 孙材江, 张湘生, 王万春. 股薄肌前移术治疗复发性髌骨半脱位 [J]. 中南大学学报(医学版), 2002, 27(1): 79-82.
2. 张春雷, 陈游, 黄国良, 朱迎春, 张薇, 李桔元. 关节镜下多股自体腘绳肌腱双束双隧道重建膝前交叉韧带 [J]. 中南大学学报(医学版), 2009, 34(03): 216-220.
3. 陈游, 邓展生, 张薇, 李桔元. 关节镜指导下治疗髌骨不稳定的初步探讨 [J]. 中南大学学报(医学版), 2006, 31(01): 104-107.
4. 崔俊成, 王万春, 吴蓓, 王上元. 关节镜下射频汽化术治疗臀肌挛缩症 [J]. 中南大学学报(医学版), 2008, 33(03): 274-276.

5. 陈游; 孙材江; 张薇; .膝关节镜视下盘状半月板成形术[J]. 中南大学学报(医学版), 2000,25(2): 169-
  6. 王文军; 周江南; 余建民; .经皮穿刺间盘镜下髓核分级摘除术治疗颈椎间盘突出症[J]. 中南大学学报(医学版), 2001,26(4): 366-
- 

Copyright by 中南大学学报(医学版)