Clinical Results of Arthroscopic Bankart Repair With Knot-Tying and Knotless Suture Anchors

Nam Su Cho M.D.\textsuperscript{a}, Andri M.T. Lubis M.D.\textsuperscript{b}, Jeong Han Ha M.D.\textsuperscript{c} and Yong Girl Rhee M.D.\textsuperscript{c},

\textsuperscript{a}Department of Orthopaedic Surgery, Hallym University Sacred Heart Hospital, Anyang, Korea

\textsuperscript{b}Department of Orthopaedic Surgery, University of Indonesia, Jakarta, Indonesia

\textsuperscript{c}Department of Orthopaedic Surgery, Shoulder & Elbow Clinic, College of Medicine, Kyung Hee University, Seoul, Korea.

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\textbf{Purpose:} To compare the results of arthroscopic Bankart repair completed with knot-tying with results of the procedure performed with knotless suture anchors. \textbf{Methods:} We evaluated 82 patients who underwent arthroscopic Bankart repair. A total of 61 patients were treated with knot-tying suture anchors, and 21 patients were treated with knotless suture anchors during the same period. In all, 75 male and 7 female patients were studied. Mean patient age at the time of operation was 24 years (range, 16 to 42 years), and the mean follow-up period had a duration of 29 months (range, 24 to 41 months’ duration). \textbf{Results:} Shoulder scores improved in both groups ($P < .05$). Postoperative pain, patient satisfaction score, and redislocation rate were significantly different between the 2 groups, with the knot-tying suture anchor group showing better results ($P = .007$, $P = .007$, and $P = .012$, respectively). In the knot-tying suture anchor group, 4.9\% (3 patients) experienced redislocation and 1 patient underwent revision surgery. The redislocation rate in the knotless suture anchor group was 23.8\% (5 patients), and 4 patients underwent revision surgery. \textbf{Conclusions:} The knot-tying and knotless suture anchor groups showed improvement in postoperative shoulder scores after arthroscopic Bankart repair. However, results after the knotless technique was performed were unsatisfactory when compared with results in the standard suture anchor group, particularly in terms of redislocation rate. \textbf{Level of Evidence:} Level III, retrospective comparative therapeutic study.

\textbf{Key Words:} Bankart; Arthroscopic repair; Knot-tying suture anchor; Knotless suture anchor