

TABLE E-1 Baseline Demographics

	Study Groups*		
Variable	ACR (N = 45)	ACR-A (N= 41)	P Value
Sex ( <i>no. [%]</i> )			
Female	15 (33.3)	15 (36.6)	0.752†
Male	30 (66.7)	26 (63.4)	
Age‡ ( <i>yr</i> )	57.1 (9.4)	56.4 (8.1)	0.724§
Acromion type ( <i>no. [%]</i> )			
1 (flat)	6 (13.3)	6 (14.6)	0.660†
2 (curved)	24 (53.3)	26 (63.4)	
3 (hooked)	12 (26.7)	8 (19.5)	
Unavailable	3 (6.7)	1 (2.4)	
Preop. WORC# ( <i>points</i> )	34.5 (15.7)	36.8 (21.1)	0.583§
Preop. ASES# ( <i>points</i> )	44.0 (18.0)	45.2 (21.4)	0.794§

\*ACR = arthroscopic cuff repair only, and ACR-A = arthroscopic cuff repair and acromioplasty. †Pearson chi-square test. ‡The values are given as the mean, with the standard deviation in parentheses. §T test. #The values are given as the mean score, with the standard deviation in parentheses. WORC = Western Ontario Rotator Cuff index, and ASES = American Shoulder and Elbow Surgeons score.

Table E-2 Participants Requiring Reoperation During Study Period by Group and Acromion Type

	Acromion Type*				
Group†	1	2	3	Unknown	Total
ACR	0/6	1/24	3/12	0/3	4/45 (9%)‡
ACR-A	0/6	0/26	0/8	0/1	0/41 (0%)
Total	0/12	1/50	3/20	0/4	4/86 (5%)

\*The values are given as the number that had a reoperation/total in group. †ACR = arthroscopic rotator cuff repair alone, and ACR-A = arthroscopic rotator cuff repair and acromioplasty. ‡More patients required reoperation in the ACR group than in the ACR-A group ( $p = 0.05$ ).

TABLE E-3 Summary of Data on Patients Who Underwent Additional Surgery Following Initial Study Group Procedure\*

				Preop.		6-mo Postop.				Second Procedure		After Second Procedure†		
Case	Group	Age (yr)	Acromion Type	WORC (points)	ASES (points)	Signs and Symptoms	WORC (points)	ASES (points)	Retear	Procedure	Time Since First Procedure (mo)	Signs and Symptoms	WORC (points)	ASES (points)
1	ACR	56	2	48.3	51.7	Pain	44.2	49.3	Y	Rerepair and acromioplasty	12	No pain, full range of motion, full strength	99.5	100
2	ACR	77	3	30.9	72.5	Pain, decreased strength	NA	51.0	N	Acromioplasty	12	No pain, full range of motion, increased strength (4/5)	69.8	85.7
3	ACR	67	3	30.1	29.2	Pain, decreased range of motion	31.9	62.7	N	Acromioplasty	10	Ongoing pain, full range of motion, full strength	50.8	62.7
4	ACR	43	3	31.3	58.7	Pain, decreased strength	33.8	53.7	Y	Rerepair and acromioplasty recommended but surgery declined		Pain, decreased strength	13.5	26.2

\*ACR = arthroscopic cuff repair only, WORC = Western Ontario Rotator Cuff index, ASES = American Shoulder and Elbow Surgeons scoring system, and NA = not available.

†The findings after the second procedure are based on twenty-four-month follow-up after the initial surgery.