

TABLE E-1 Pathology and Outcome for Each Shoulder Included in the Study*

Case	Age, Gender (yr)	FU (yr)	Arthroplasty Type	Diagnosis	Instability Pattern	Pathology	Component Abnormalities	Capsule/Cuff	Final Outcome	Neer Rating
1	M, 62	10.8	HA	Fracture	Anterior	ST	—	Subscapularis tear	Resection	U
2	F, 49	2.5	HA	Arthritis Dislocation	Anterior	ST	—	Subscapularis tear	Resection	U
3	F, 70	5.4	TSA	Arthritis Dislocation	Anterior	ST	—	Subscapularis tear	Stable	U
4	F, 75	0.4	TSA	DJD	Anterior	C, ST	Glenoid anteversion	Subscapularis tear	Unstable	U
5	M, 83	1.1	TSA	DJD	Anterior	ST	—	Anterosuperior cuff tear	Unstable	U
6	F, 74	10	TSA	Fracture	Anterosuperior	C, ST	Glenoid loosening	Anterosuperior cuff tear	Resection	U
7	M, 64	5.2	TSA	DJD	Anterosuperior	C, ST	Humeral anteversion	Anterosuperior cuff tear	Stable	E
8	M, 67	2.3	HA	DJD	Anterosuperior	ST	—	Anterosuperior cuff tear	Stable	S
9	F, 47	5.3	HA	Posttraumatic AVN	Anterosuperior	ST	—	Anterior capsular laxity, posterior capsular tightness	Stable	U
10	M, 67	2.7	TSA	DJD	Anterosuperior	ST	—	Anterosuperior cuff tear	Stable	U
11	M, 69	9.6	TSA	DJD	Anterosuperior	ST	—	Subscapularis tear	Unstable	S
12	M, 62	2	TSA	DJD	Anterosuperior	ST	—	Anterosuperior cuff tear	Unstable	S
13	F, 76	2.7	TSA	RA	Anterosuperior	C, ST	Humeral anteversion	Subscapularis tear, anterior capsular laxity	Unstable	U
14	F, 58	8.5	TSA	DJD	Anterosuperior	ST	—	Subscapularis tear, anterior capsular laxity	Unstable	U
15	M, 64	10	TSA	DJD	Anterosuperior	ST	—	Subscapularis and interval tear, anterior capsular laxity	Unstable	U
16	M, 51	2.3	TSA	Fracture	Anterosuperior	ST	—	Anterosuperior cuff tear	Unstable	U
17	M, 72	2	TSA	DJD	Anterosuperior	ST	—	Anterosuperior cuff tear	Unstable	U
18	M, 59	5.4	TSA	RA	Anterosuperior	ST	—	Anterosuperior cuff tear, anterior capsular laxity	Unstable	U
19	F, 68	5.4	TSA	AVN	Anterosuperior	ST	—	Rotator interval and subscapularis tear, anterior capsular laxity	Unstable	U
20	F, 66	0.2	TSA	Chronic Dislocation	Posterior	ST	—	Posterior capsular laxity	Resection	U
21	M, 47	4.3	TSA	Arthritis Dislocation	Posterior	C, ST	Low humeral positioning	Posterior capsular laxity	Resection	U
22	M, 58	9.3	TSA	DJD	Posterior	C, ST	Humeral retroversion, low humeral positioning, glenoid loosening	Posterior capsular laxity	Stable	E
23	M, 66	9.3	TSA	DJD	Posterior	ST	—	Posterior capsular laxity	Stable	E
24	M, 53	5.5	TSA	Arthritis Dislocation	Posterior	C	Low humeral positioning, glenoid wear	—	Stable	E
25	F, 61	3	TSA	Charcot	Posterior	ST	—	Posterior capsular laxity	Stable	S
26	M, 68	2	TSA	RA	Posterior	C, ST	Glenoid wear	Posterosuperior cuff tear	Stable	S
27	M, 35	3.4	TSA	Arthritis Dislocation	Posterior	ST	—	Posterior capsular laxity, anterior capsular tightness	Stable	S
28	F, 71	2.8	HA	Fracture	Posterior	C, ST	Low humeral positioning	Posterosuperior cuff tear	Stable	U
29	F, 78	5	TSA	DJD	Posterior	C, ST	Low humeral positioning	Posterior cuff tear	Stable	U
30	M, 67	7.5	TSA	DJD	Posterior	ST	—	Posterior capsular laxity	Stable	U
31	M, 70	2.5	TSA	Arthritis Dislocation	Posterior	C, ST	Glenoid loosening	Posterior capsular laxity	Unstable	U
32	M, 49	5.4	HA	DJD	Posterior	C, ST	High humeral positioning	Posterior capsular laxity	Unstable	U
33	M, 46	2.2	HA	DJD	Posterior	ST	—	Posterior capsular laxity and posterior cuff tear	Unstable	U

*FU = follow-up, TSA = total shoulder arthroplasty, HA = hemiarthroplasty, RA = rheumatoid arthritis, DJD = degenerative joint disease, AVN = avascular necrosis, ST = soft-tissue imbalance, C = component malposition, E = excellent, S = satisfactory, and U = unsatisfactory.