



Fig. E-1

Case 7. Postoperative clinical and radiographic outcomes for one patient after 3.7 years of follow-up.

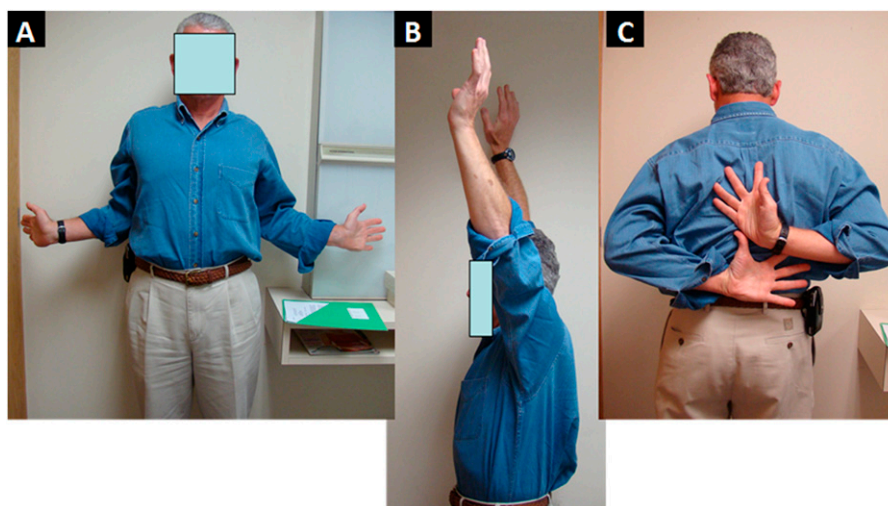


Fig. E-2

Case 4. Clinical results of a patient in the cohort at the 9.2-year follow-up evaluation.

TABLE E-1 Preoperative CT Findings, Intraoperative Fixation Type, and Postoperative Radiographic Results

Case	Sex, Age at Surgery (yr)	Preop. Retroversion (deg)	Preop. Bone Loss (mm)	Humeral Head Subluxation Anteroposterior Offset (%)	Postop. Retroversion on Axillary Radiograph (deg)	Screw Fixation	Walch Classification
1*	M, 46	60	18	75	27	Four 2.7-mm flathead screws	C
2	M, 61	35	10	49	26	Two 4.0-mm cannulated screws	B2
3	F, 55	40	10	76	8	Two 4.0-mm cannulated screws	B2
4	M, 56	35	15	44	26	Two 3.5-mm titanium screws	B2
5	M, 57	20	9	37	15	Two 4.0-mm cannulated screws	A2
6	M, 74	40	17	70	26	Two 4.0-mm cannulated screws	B2
7	M, 67	60	40	50	24	Two 4.0-mm cannulated screws	B2
8*	M, 52	60	15	50	Study-quality axillary radiograph not available; follow-up in 2012: axillary radiograph with no glenoid component after removal	Two 4.0-mm cannulated screws	C
9	M, 62	30	10	50	Study-quality axillary radiograph not available	Two 4.0-mm cannulated screws and two mini-screws	B2
10	M, 49	45	12	40	27	Three bioabsorbable screws	B2
11*	M, 49	65	20	90	30	Two 4.0-mm cannulated screws	C
12	M, 57	43	13	62	17	Two 4.0-mm cannulated screws	B2
13	M, 46	26	9	35	8	Two 4.0-mm cannulated screws	B2

*Patient had hypoplastic glenoid.

TABLE E-2 Clinical Outcomes and Complications

Case	Sex, Age at Surgery (yr)	Duration of Follow-up (mo)	Preop. vs. Postop. Total Penn Score (100 Max.)	Postop. Forward Flexion, External Rotation (deg)	Complications
1*	M, 46	56	37 vs. 67	170, 40	2 of 4 screws broken, 0.7 cm of graft resorption. No revision surgery
2	M, 61	43	46 vs. 85	160, 40	None
3	F, 55	40	40 vs. 17	110, 30	Revision surgery at 39 mo postop.: loose glenoid component removed, cavitory defect filled with iliac crest bone graft
4	M, 56	110	52 vs. 94	170, 50	8 yr postop.: some residual glenoid retroversion and 1 displaced broken screw removed in arthroscopic procedure. Excellent graft incorporation and no component loosening
5	M, 57	33	37 vs. 77	Not available	None
6	M, 74	36	35 vs. 52	140, not available	<5 mm of graft resorption and <2-mm lucent line around peripheral peg
7	M, 67	44	40 vs. 100	150, 30	None
8*	M, 52	96	50 vs. 83	160, not available	Revision surgery at 10 mo postop.: failed glenoid component with posterior dislocation of humeral head
9	M, 62	6	Not available	150, not available	Tight post. aspect of capsule and subscapular deficiency
10	M, 49	30	43 vs. 100	160, 60	None
11*	M, 49	26	19 vs. 100	170, 30	None
12	M, 57	37	32 vs. 90	165, 70	None
13	M, 46	82	34 vs. 88	170, 90	None

*Patient had hypoplastic glenoid.