TABLE E-1 Demographic Data*

	As (overall)	Op (overall)	As ≥90°	Op ≥90°	As <90°	Op <90°
No. of elbows (no. of patients)	29 (26)	29 (27)	14 (13)	14 (13)	15 (13)	15 (14)
Mean age (y) at operation	51	51	51	51	51	51
Gender (M/F)	4/22	5/22	2/11	2/11	2/11	3/11
Mean duration of rheumatoid arthritis (y)	7.6	7.6	7.6	7.4	7.6	7.7
Mean duration of elbow pain (y)	2.4	2.4	2.3	2.4	2.5	2.4
Involved side (R, L)	16, 13	16, 13	8, 6	8, 6	8, 7	8, 7
Mean follow-up period (range) (y)	13 (10～18)	13 (10～18)	13 (10～18)	13 (10～18)	13 (10～18)	13 (10～18)
Prednisone: daily dose (mg), mean (range) after surgery	4.5 (2-7.5)	5.0 (2.5-7.5)	4.5 (2-7.5)	5.0 (2.5-7.5)	4.5 (2-7.5)	5.0 (2.5-7.5)
Percentage of procedures with SASP, MTX, BUC, D-PC, GST, AF after surgery†	37/35/12/8/6/2	37/35/13/7/6/2	38/34/13/9/6/0	37/33/11/7/7/4	36/36/12/6/6/3	37/37/15/7/4/0

*As = arthroscopic synovectomy, and Op = open synovectomy. †All the patients had been treated by prednisone and disease modifying antirheumatic drugs (salazosulfapyridine (SASP), methotrexate (MTX), bucillamine (BUC), penicillamine (D-PC), gold sodium thiomalate (GST), auranofin (AF) postoperatively.

TABLE E-2 Clinical Assessment*

	As (Overall)			Op (Overall)			As ≥90°			Op ≥90°			As <90°			Op <90°		
	Preop.	3-5Y	10-18Y	Preop.	3-5Y	10-18Y	Preop.	3-5Y	10-18Y	Preop.	3-5Y	10-18Y	Preop.	3-5Y	10-18Y	Preop.	3-5Y	10-18Y
No. of elbows	29	29	23	29	29	23	14	14	12	14	14	14	15	15	11	15	15	9
Mean pain score (45 points)	12	34	23	12	37	31	13	34	25	13	38	32	12	33	22	12	36	30
None	0	14	2	0	18	9	0	7	2	0	9	6	0	7	0	0	9	3
Mild	0	8	9	0	6	7	0	4	4	0	3	4	0	4	5	0	3	3
Moderate	24	7	12	24	5	7	12	3	6	12	2	4	12	4	6	12	3	3
Severe	5	0	0	5	0	0	2	0	0	2	0	0	3	0	0	3	0	0
	←	p<0.001→	p<0.01→	←	p<0.001→	p<0.01→	←	p<0.001→	p<0.05→	←	p<0.001→	p<0.01→	←	p<0.001→	p<0.05→	←	p<0.001→	p<0.01→
Arc of flexion† (deg)	82 (35-130)	104 (55-140)	103 (55-140)	83 (30-130)	95 (0-140)	99 (20-140)	104 (90-130)	111 (90-140)	110 (90-140)	105 (90-130)	111 (90-140)	111 (90-140)	61 (35-85)	98 (55-120)	95 (55-120)	63 (30-85)	80 (0-120)	80 (20-120)
Arc of forearm rotation† (deg)	99 (20-160)	115 (20-165)	115 (20-165)	100 (20-165)	114 (0-170)	112 (20-170)	111 (20-160)	120 (20-165)	120 (20-165)	112 (20-165)	119 (20-170)	119 (20-170)	88 (30-140)	110 (40-145)	110 (40-145)	88 (30-150)	110 (0-160)	100 (20-150)
													←	p<0.05→	p<0.05→			
Mean stability score (10 points)	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Mean function score (25 points)	13	16	15	12	15	15	14	17	15	13	17	16	12	16	14	12	13	13
Improvement (preop.–postop.)	←	p<0.05→		←	p<0.05→	p<0.05→	←	p<0.05→		←	p<0.05→	p<0.05→	←	p<0.05→		←p<0.05		→
Mean Mayo elbow performance score	50	78	67	50	78	71	55	80	68	54	83	76	46	76	66	46	73	62
	←	p<0.01→	p<0.05→	←	p<0.01→	p<0.01→	←	p<0.01→	p<0.05→	←	p<0.01→	p<0.01→	←	p<0.01→	p<0.05→	←	p<0.05→	p<0.05→

*As = arthroscopic synovectomy, Op = open synovectomy. †The values are given as the mean, with the range in parentheses.

TABLE E-3 Radiographic Assessment*

	As (Overall)			Op (Overall)			As ≥90°			Op ≥90°			As <90°			Op <90°		
	Preop.	3-5Y	10-18Y	Preop.	3-5Y	10-18Y	Preop.	3-5Y	10-18Y	Preop.	3-5Y	10-18Y	Preop.	3-5Y	10-18Y	Preop.	3-5Y	10-18Y
No. of elbows	29	29	23	29	29	23	14	14	12	14	14	14	15	15	11	15	15	9
Mean Larsen grade	1.7	1.8	3.1	1.8	1.8	3.1	1.6	1.7	3.1	1.7	1.7	3.0	1.7	1.8	3.1	1.8	1.9	3.2
Larsen grade 0 (normal)	2	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Grade 1 (slight abnormality)	6	7	0	7	5	0	3	4	0	4	4	0	3	3	0	3	1	0
Grade 2 (definite early abnormality)	21	22	2	22	24	1	10	10	1	10	10	1	11	12	1	12	14	0
Grade 3 (medium destructive abnormality)	0	0	17	0	0	19	0	0	9	0	0	12	0	0	8	0	0	7
Grade 4 (severe destructive abnormality)	0	0	4	0	0	3	0	0	2	0	0	1	0	0	2	0	0	2

*As = arthroscopic synovectomy, and Op = open synovectomy.