TABLE E-1 Cases of Osteoarthritic Progression on Operated Side in the Older Group*

Case	Age (yr)	Gender	Charnley Category	Follow-up (mo)	Preop. score	Preop. CE (deg)	Preop. AC (deg)	Preop. head lateralization index	Postop. CE (deg)	Postop. AC (deg)	Postop. head lateralization index	Postop. joint congruency	Score at follow-up	Radiographic stage at follow-up	Onset time of OA (mo)
1	50	F	B	158	12	−5	28	0.68	35	6	0.66	Good	14	Advanced	120
2	50	F	B	143	16	0	29	0.61	30	0	0.61	Good	14	Advanced	48
3	50	F	B	142	15	9	32	0.66	40	0	0.62	Fair	13	End	36
4	49	F	B	80	10	−5	32	0.73	39	8	0.71	Fair	14	Advanced	36
5	46	F	B	60	15	−5	40	0.63	40	10	0.62	Fair	16	Advanced	36

*CE = center-edge angle, AC = acetabular roof angle, and OA = osteoarthritis.

TABLE E-2 Cases of Osteoarthritic Progression on Operated Side in the Younger Group*

Case	Age (yr)	Gender	Charnley Category	Follow-up (mo)	Preop. score	Preop. CE (deg)	Preop. AC (deg)	Preop. head lateralization index	Postop. CE (deg)	Postop. AC (deg)	Postop. head lateralization index	Postop. joint congruency	Score at follow-up	Radiographic stage at follow-up	Onset time of OA (mo)
1	35	M	B	168	14	−10	35	0.80	15	20	0.71	Good	15	Advanced	60
2	34	F	B	100	15	−5	27	0.69	30	10	0.62	Fair	12	End	36
3	38	F	B	92	13	−12	32	0.68	33	10	0.51	Good	17	Advanced	48
4	38	F	B	88	14	0	30	0.61	30	12	0.60	Good	14	Advanced	36

*CE = center-edge angle, AC = acetabular roof angle, and OA = osteoarthritis.

TABLE E-3 Nonparametric Survivorship Analysis with the Use of the Log-Rank Test

	Older Group		Younger Group	
Postoperative center-edge angle				
<35°	11 joints	P = 0.230	27 joints	P = 0.186
>35°	15 joints		36 joints	
Postoperative acetabular roof angle				
<5°	12 joints	P = 0.581	38 joints	P = 0 .060
>5°	14 joints		25 joints	
Postoperative head lateralization index				
<0.60	11 joints	P < 0.05*	36 joints	P = 0.646
>0.60	15 joints (all hips with OA progression had index of >0.60)		27 joints	
Postoperative joint congruency	Excellent or Good (22 joints)	P = 0.011	Excellent or Good (62 joints)	P < 0.0001
	Fair (4 joints)		Fair (1 joint)	

*Chi-square test.