

TABLE E-1 Accuracy of Individual RSA Measurements*

Component	Translation (mm)			Rotation (deg)			Maximum Total Point Motion (mm)
	Transverse	Longitudinal	Sagittal	Transverse	Longitudinal	Sagittal	
Tibial (n = 50)	±0.06	±0.07	±0.18	±0.27	±0.40	±0.12	±0.45
Femoral (n = 25)	±0.16	±0.08	±0.17	±0.23	±0.35	±0.14	±0.50

*Transverse indicates the x-axis, longitudinal indicates the y-axis, and sagittal indicates the z-axis. The ± symbol indicates the limits of the 95% prediction interval.

TABLE E-2 Analysis of Maximum Total Point Motion (MPTM) of the Tibial and Femoral Components During Five Years of Follow-up

Outcome	Total Knee Prosthesis*				P Value		
	LPS-Flex Mobile	LPS-Flex Fixed	LPS Mobile	LPS Fixed	Main Effect†	Group × Time Interaction‡	Prespecified Time Point
Tibial component							
logMTPM§							
Five-year period	−0.61 ± 0.15	−0.52 ± 0.14	−0.83 ± 0.15	−0.49 ± 0.14	0.373	0.672	
Week 6	−1.08 ± 0.26	−0.92 ± 0.13	−1.48 ± 0.15	−0.68 ± 0.17			
Week 12	−0.80 ± 0.18	−0.75 ± 0.13	−1.32 ± 0.10	−0.67 ± 0.11			
Week 26	−0.81 ± 0.20	−0.79 ± 0.10	−1.11 ± 0.18	−0.50 ± 0.20			
Year 1	−0.49 ± 0.20	−0.54 ± 0.12	−0.81 ± 0.15	−0.41 ± 0.16			
Year 2	−0.53 ± 0.24	−0.40 ± 0.11	−0.65 ± 0.13	−0.33 ± 0.16			0.565
Year 3	−0.61 ± 0.29	−0.50 ± 0.15	−0.68 ± 0.16	−0.45 ± 0.15			
Year 4	−0.68 ± 0.28	−0.45 ± 0.21	−0.53 ± 0.17	−0.39 ± 0.12			
Year 5	−0.65 ± 0.22	−0.31 ± 0.22	−0.58 ± 0.15	−0.44 ± 0.16			0.604
Femoral component							
logMTPM§							
Five-year period	−0.13 ± 0.25	−0.11 ± 0.22	−0.28 ± 0.24	−0.10 ± 0.24	0.949	0.139	
Week 6	−0.52 ± 0.21	−0.32 ± 0.20	−0.92 ± 0.11	−0.49 ± 0.24			
Week 12	−0.52 ± 0.33	−0.31 ± 0.21	−0.89 ± 0.32	−0.03 ± 0.25			
Week 26	−0.64 ± 0.34	−0.26 ± 0.20	−0.45 ± 0.21	0.08 ± 0.17			
Year 1	−0.29 ± 0.22	−0.14 ± 0.20	−0.37 ± 0.31	−0.05 ± 0.17			
Year 2	−0.45 ± 0.30	−0.10 ± 0.23	−0.15 ± 0.29	−0.10 ± 0.25			0.971
Year 3	−0.37 ± 0.25	0.48 ± 0.28	−0.62 ± 0.06	−0.09 ± 0.28			
Year 4	−0.61 ± 0.11	0.06 ± 0.29	0.22 ± 0.31	−0.03 ± 0.30			
Year 5	−0.59 ± 0.22	0.14 ± 0.28	0.06 ± 0.30	−0.06 ± 0.28			0.443

*The values are given as the mean and the standard error in log(millimeters). †This category assumes no interaction with time and indicates testing for the overall, between-group mean difference over the entire postoperative follow-up period. ‡This category indicates testing for overall changing treatment effects with time over the entire postoperative follow-up period. §logMTPM = log-transformed maximum total point motion.

TABLE E-3 Analysis of Functional Outcome During Five Years of Follow-up

Outcome	Total Knee Prosthesis*				P Value		
	LPS-Flex Mobile	LPS-Flex Fixed	LPS Mobile	LPS Fixed	Main Effect†	Group × Time Interaction‡	Prespecified Time Point
Flexion (deg)							
Five-year period	113.9 ± 2.6	114.0 ± 2.4	111.8 ± 2.9	113.3 ± 2.5	0.923	0.680	
Week 6	110.0 ± 4.0	99.4 ± 4.7	102.5 ± 4.3	102.9 ± 3.2			
Week 12	115.0 ± 2.7	108.8 ± 3.2	103.2 ± 3.2	112.1 ± 2.3			
Week 26	117.5 ± 2.8	116.9 ± 4.0	106.9 ± 3.9	112.7 ± 3.3			
Year 1	120.8 ± 2.7	114.4 ± 2.8	109.4 ± 4.0	113.8 ± 2.8			
Year 2	119.7 ± 2.6	115.8 ± 4.0	110.4 ± 4.2	114.3 ± 2.9			0.321
Year 3	122.9 ± 2.3	121.3 ± 4.9	115.8 ± 2.7	118.2 ± 2.8			
Year 4	123.9 ± 2.7	117.5 ± 4.7	110.4 ± 4.1	119.3 ± 3.2			
Year 5	118.9 ± 3.4	118.1 ± 3.4	113.7 ± 4.5	118.3 ± 3.6			0.757
Extension (deg)							
Five-year period	-1.6 ± 0.7	-1.8 ± 0.7	-2.1 ± 0.8	-1.5 ± 0.7	0.891	0.821	
Week 6	-3.0 ± 1.5	-5.6 ± 1.6	-3.3 ± 1.3	-2.8 ± 1.7			
Week 12	-3.4 ± 1.4	-3.9 ± 1.5	-1.1 ± 1.1	-5.6 ± 1.7			
Week 26	-1.9 ± 1.1	-2.8 ± 1.4	0.9 ± 0.9	-3.4 ± 1.5			
Year 1	0.8 ± 0.6	-0.3 ± 1.5	-1.3 ± 1.0	-1.2 ± 1.5			
Year 2	-0.8 ± 0.6	-0.3 ± 1.6	-1.4 ± 0.8	-0.7 ± 1.0			0.908
Year 3	0.5 ± 0.9	0.0 ± 1.5	0.8 ± 2.0	-0.3 ± 1.4			
Year 4	0.0 ± 0.5	-0.5 ± 1.1	-2.3 ± 1.6	1.0 ± 0.7			
Year 5	-0.7 ± 0.5	-1.1 ± 1.1	0.0 ± 0.6	0.7 ± 0.7			0.480
KSS (points)							
Five-year period	78.0 ± 2.0	78.1 ± 1.9	76.0 ± 2.3	79.0 ± 1.9	0.743	0.781	
Week 6	75.9 ± 3.2	69.6 ± 3.5	74.2 ± 3.0	75.5 ± 3.0			
Week 12	80.5 ± 2.5	78.3 ± 2.5	74.9 ± 3.3	79.6 ± 1.6			
Week 26	79.6 ± 2.8	82.3 ± 2.2	75.9 ± 3.6	79.3 ± 3.2			
Year 1	82.9 ± 2.3	82.9 ± 2.1	77.7 ± 3.5	81.8 ± 1.9			
Year 2	81.2 ± 3.2	82.9 ± 2.0	77.7 ± 3.5	79.9 ± 2.7			0.647
Year 3	80.7 ± 3.9	79.1 ± 3.5	77.7 ± 3.3	80.2 ± 3.2			
Year 4	84.5 ± 2.9	77.6 ± 4.4	77.8 ± 3.3	83.7 ± 1.4			
Year 5	81.9 ± 3.4	82.8 ± 3.2	84.1 ± 1.4	83.6 ± 1.6			0.929
KSS function (points)							
Five-year period	62.8 ± 6.1	68.4 ± 5.8	60.9 ± 7.0	53.4 ± 6.0	0.318	0.732	
Week 6	75.9 ± 3.2	69.6 ± 3.5	74.2 ± 3.0	75.5 ± 3.0			
Week 12	80.5 ± 2.5	78.3 ± 2.5	74.9 ± 3.3	79.6 ± 1.6			
Week 26	79.6 ± 2.8	82.3 ± 2.2	75.9 ± 3.6	79.3 ± 3.2			
Year 1	82.9 ± 2.3	82.9 ± 2.1	77.7 ± 3.5	81.8 ± 1.9			
Year 2	81.2 ± 3.2	82.9 ± 2.0	77.7 ± 3.5	79.9 ± 2.7			0.530
Year 3	80.7 ± 3.9	79.1 ± 3.5	77.7 ± 3.3	80.2 ± 3.2			
Year 4	84.5 ± 2.9	77.6 ± 4.4	77.8 ± 3.3	83.7 ± 1.4			
Year 5	81.9 ± 3.4	82.8 ± 3.2	84.1 ± 1.4	83.6 ± 1.6			0.336

*The values are given as the mean and the standard error. †This category assumes no interaction with time and indicates testing for the overall, between-group mean difference over the entire postoperative follow-up period. ‡This category indicates testing for overall changing treatment effects with time over the entire postoperative follow-up period.

TABLE E-4 Analysis of Tibial Component Migration During Five Years of Follow-Up

Migration	Total Knee Prosthesis*				P Value		
	LPS-Flex Mobile	LPS-Flex Fixed	LPS Mobile	LPS Fixed	Main Effect†	Group × Time Interaction‡	Prespecified Time Point
Medial-lateral translation (mm)							
Five-year period	0.05 ± 0.04	0.05 ± 0.04	−0.02 ± 0.04	0.08 ± 0.04	0.299	0.410	
Week 6	−0.01 ± 0.04	0.02 ± 0.03	−0.02 ± 0.02	0.02 ± 0.03			
Week 12	−0.00 ± 0.04	0.02 ± 0.03	−0.01 ± 0.02	0.02 ± 0.03			
Week 26	0.01 ± 0.05	0.05 ± 0.03	−0.03 ± 0.02	0.09 ± 0.04			
Year 1	0.04 ± 0.05	0.07 ± 0.04	−0.02 ± 0.03	0.11 ± 0.05			
Year 2	0.07 ± 0.05	0.07 ± 0.04	−0.00 ± 0.04	0.09 ± 0.06			0.549
Year 3	0.09 ± 0.07	0.08 ± 0.05	−0.03 ± 0.04	0.10 ± 0.04			
Year 4	0.05 ± 0.06	0.09 ± 0.05	−0.08 ± 0.06	0.12 ± 0.04			
Year 5	0.00 ± 0.03	0.07 ± 0.05	−0.06 ± 0.05	0.07 ± 0.04			0.096
Cranial-caudal translation (mm)							
Five-year period	0.07 ± 0.04	0.07 ± 0.04	0.10 ± 0.04	0.06 ± 0.04	0.884	0.133	
Week 6	0.06 ± 0.03	0.06 ± 0.02	0.03 ± 0.02	0.03 ± 0.03			
Week 12	0.06 ± 0.04	0.08 ± 0.02	0.05 ± 0.02	0.05 ± 0.02			
Week 26	0.02 ± 0.05	0.07 ± 0.03	0.11 ± 0.03	−0.00 ± 0.05			
Year 1	0.02 ± 0.06	0.13 ± 0.03	0.12 ± 0.04	0.04 ± 0.05			
Year 2	−0.07 ± 0.10	0.13 ± 0.04	0.14 ± 0.04	0.05 ± 0.04			0.080
Year 3	0.04 ± 0.09	0.16 ± 0.04	0.15 ± 0.05	0.10 ± 0.04			
Year 4	0.02 ± 0.09	0.05 ± 0.09	0.14 ± 0.05	0.09 ± 0.04			
Year 5	0.03 ± 0.09	0.03 ± 0.09	0.11 ± 0.04	0.08 ± 0.04			0.564
Anterior-posterior translation (mm)							
Five-year period	0.16 ± 0.09	−0.06 ± 0.09	0.09 ± 0.10	0.08 ± 0.09	0.388	0.670	
Week 6	0.10 ± 0.07	−0.05 ± 0.04	0.03 ± 0.04	−0.11 ± 0.07			
Week 12	0.11 ± 0.10	−0.07 ± 0.04	0.04 ± 0.03	−0.01 ± 0.05			
Week 26	0.14 ± 0.14	−0.06 ± 0.05	0.09 ± 0.05	0.10 ± 0.13			
Year 1	0.11 ± 0.14	−0.12 ± 0.07	0.08 ± 0.06	0.13 ± 0.18			
Year 2	0.25 ± 0.17	−0.16 ± 0.07	0.13 ± 0.05	0.18 ± 0.22			0.251
Year 3	0.26 ± 0.22	−0.07 ± 0.07	0.11 ± 0.04	−0.04 ± 0.07			
Year 4	0.32 ± 0.26	−0.13 ± 0.11	0.15 ± 0.08	0.00 ± 0.07			
Year 5	0.09 ± 0.07	−0.22 ± 0.12	0.13 ± 0.07	0.02 ± 0.08			0.039
Transverse rotation (deg)							
Five-year period	0.33 ± 0.21	−0.02 ± 0.22	0.10 ± 0.23	0.05 ± 0.21	0.658	0.134	
Week 6	0.09 ± 0.16	−0.09 ± 0.05	0.05 ± 0.12	−0.08 ± 0.11			
Week 12	0.18 ± 0.24	−0.18 ± 0.10	−0.08 ± 0.07	0.02 ± 0.11			
Week 26	0.28 ± 0.30	−0.00 ± 0.11	0.10 ± 0.15	0.10 ± 0.23			
Year 1	0.19 ± 0.32	0.04 ± 0.13	0.14 ± 0.16	0.38 ± 0.26			
Year 2	0.40 ± 0.40	−0.04 ± 0.16	0.17 ± 0.15	0.24 ± 0.33			0.780
Year 3	0.60 ± 0.45	−0.14 ± 0.18	0.08 ± 0.11	−0.05 ± 0.14			
Year 4	0.57 ± 0.55	−0.26 ± 0.27	0.27 ± 0.21	−0.20 ± 0.16			
Year 5	0.15 ± 0.12	−0.50 ± 0.27	0.25 ± 0.17	−0.13 ± 0.16			0.031

TABLE E-4 (continued)							
Migration	Total Knee Prosthesis*				P Value		
	LPS-Flex Mobile	LPS-Flex Fixed	LPS Mobile	LPS Fixed	Main Effect†	Group × Time Interaction‡	Prespecified Time Point
Longitudinal rotation (deg)							
Five-year period	−0.01 ± 0.13	−0.13 ± 0.13	0.04 ± 0.14	−0.14 ± 0.13	0.713	0.142	
Week 6	−0.04 ± 0.10	−0.10 ± 0.11	−0.08 ± 0.05	−0.01 ± 0.15			
Week 12	−0.06 ± 0.09	0.05 ± 0.14	−0.09 ± 0.05	0.11 ± 0.13			
Week 26	−0.09 ± 0.14	−0.02 ± 0.09	0.00 ± 0.07	−0.15 ± 0.20			
Year 1	−0.02 ± 0.15	−0.19 ± 0.12	0.05 ± 0.07	−0.18 ± 0.20			
Year 2	−0.05 ± 0.16	−0.20 ± 0.13	0.08 ± 0.06	−0.22 ± 0.22			0.553
Year 3	−0.21 ± 0.25	−0.17 ± 0.13	−0.05 ± 0.11	0.18 ± 0.17			
Year 4	−0.09 ± 0.25	−0.07 ± 0.28	0.05 ± 0.10	−0.07 ± 0.13			
Year 5	0.09 ± 0.15	−0.14 ± 0.25	0.10 ± 0.10	0.15 ± 0.15			0.621
Sagittal rotation (deg)							
Five-year period	−0.22 ± 0.12	−0.10 ± 0.12	0.08 ± 0.13	−0.19 ± 0.12	0.305	0.153	
Week 6	−0.03 ± 0.08	−0.05 ± 0.03	0.04 ± 0.05	−0.03 ± 0.05			
Week 12	−0.04 ± 0.11	−0.04 ± 0.04	−0.01 ± 0.03	−0.06 ± 0.06			
Week 26	−0.15 ± 0.13	−0.03 ± 0.04	0.07 ± 0.07	−0.12 ± 0.08			
Year 1	−0.25 ± 0.15	−0.07 ± 0.05	0.07 ± 0.09	−0.14 ± 0.09			
Year 2	−0.48 ± 0.21	−0.15 ± 0.06	0.03 ± 0.10	−0.15 ± 0.10			0.070
Year 3	−0.43 ± 0.24	−0.14 ± 0.07	−0.00 ± 0.12	−0.21 ± 0.10			
Year 4	−0.17 ± 0.19	−0.23 ± 0.16	0.19 ± 0.16	−0.23 ± 0.11			
Year 5	−0.11 ± 0.12	−0.24 ± 0.13	0.15 ± 0.12	−0.19 ± 0.12			0.136
*The values are given as the mean and the standard error. †This category assumes no interaction with time and indicates testing for the overall between-group mean difference over the entire postoperative follow-up period. ‡This category indicates testing for overall changing treatment effects with time over the entire postoperative follow-up period.							

TABLE E-5 Analysis of Femoral Component Migration During Five Years of Follow-up

Migration	Total Knee Prosthesis*				P Value		
	LPS-Flex Mobile	LPS-Flex Fixed	LPS Mobile	LPS Fixed	Main Effect†	Group × Time Interaction‡	Prespecified Time Point
Medial-lateral translation (mm)							
Five-year period	0.11 ± 0.11	−0.01 ± 0.09	0.04 ± 0.10	0.09 ± 0.10	0.795	0.109	
Week 6	−0.01 ± 0.05	−0.01 ± 0.12	−0.02 ± 0.05	0.07 ± 0.09			
Week 12	0.15 ± 0.07	−0.04 ± 0.12	0.04 ± 0.04	0.07 ± 0.09			
Week 26	0.10 ± 0.09	0.08 ± 0.11	0.05 ± 0.03	0.09 ± 0.05			
Year 1	0.21 ± 0.12	−0.02 ± 0.15	0.01 ± 0.08	0.04 ± 0.05			
Year 2	0.26 ± 0.14	−0.07 ± 0.17	0.01 ± 0.06	0.10 ± 0.06			0.323
Year 3	0.21 ± 0.15	−0.12 ± 0.32	−0.17 ± 0.02	0.06 ± 0.05			
Year 4	0.21 ± 0.13	0.03 ± 0.29	0.12 ± 0.14	0.14 ± 0.08			
Year 5	0.02 ± 0.12	−0.18 ± 0.23	0.01 ± 0.12	0.13 ± 0.08			0.481
Cranial-caudal translation (mm)							
Five-year period	0.03 ± 0.10	0.20 ± 0.09	0.03 ± 0.10	0.27 ± 0.10	0.229	0.071 (0.336§)	
Week 6	0.12 ± 0.05	0.14 ± 0.07	0.05 ± 0.03	0.12 ± 0.05			
Week 12	0.10 ± 0.08	0.18 ± 0.07	0.07 ± 0.03	0.28 ± 0.13			
Week 26	0.08 ± 0.10	0.03 ± 0.04	0.03 ± 0.05	0.31 ± 0.14			
Year 1	−0.13 ± 0.19	0.18 ± 0.08	−0.05 ± 0.14	0.29 ± 0.12			
Year 2	−0.10 ± 0.22	0.20 ± 0.08	−0.02 ± 0.14	0.32 ± 0.15			0.190
Year 3	−0.14 ± 0.30	0.28 ± 0.16	0.10 ± 0.05	0.32 ± 0.19			
Year 4	−0.19 ± 0.26	0.41 ± 0.13	−0.05 ± 0.19	0.35 ± 0.19			
Year 5	0.09 ± 0.03	0.37 ± 0.16	−0.05 ± 0.15	0.34 ± 0.18			0.221
Anterior-posterior translation (mm)							
Five-year period	0.32 ± 0.24	0.15 ± 0.20	0.29 ± 0.22	0.08 ± 0.22	0.843	0.297	
Week 6	−0.11 ± 0.11	0.03 ± 0.15	0.07 ± 0.06	0.08 ± 0.11			
Week 12	0.04 ± 0.24	0.03 ± 0.16	0.16 ± 0.10	0.28 ± 0.20			
Week 26	0.10 ± 0.28	0.15 ± 0.17	0.30 ± 0.10	0.10 ± 0.23			
Year 1	0.64 ± 0.60	0.18 ± 0.16	0.46 ± 0.30	0.11 ± 0.16			
Year 2	0.65 ± 0.70	0.12 ± 0.20	0.37 ± 0.26	0.14 ± 0.17			0.722
Year 3	0.95 ± 0.89	0.31 ± 0.39	0.18 ± 0.10	0.12 ± 0.16			
Year 4	1.00 ± 0.80	0.18 ± 0.22	0.48 ± 0.37	−0.12 ± 0.20			
Year 5	0.19 ± 0.11	0.03 ± 0.33	0.50 ± 0.31	−0.21 ± 0.15			0.221
Transverse rotation (deg)							
Five-year period	−0.12 ± 0.34	0.17 ± 0.28	−0.14 ± 0.32	0.50 ± 0.29	0.414	0.149	
Week 6	0.30 ± 0.16	0.18 ± 0.15	−0.05 ± 0.14	0.16 ± 0.21			
Week 12	0.12 ± 0.39	0.22 ± 0.16	−0.02 ± 0.07	0.17 ± 0.33			
Week 26	0.22 ± 0.45	−0.05 ± 0.16	−0.10 ± 0.17	0.41 ± 0.28			
Year 1	−0.66 ± 0.89	0.13 ± 0.15	−0.52 ± 0.47	0.48 ± 0.14			
Year 2	−0.58 ± 1.07	0.20 ± 0.20	−0.22 ± 0.41	0.49 ± 0.22			0.478
Year 3	−0.87 ± 1.18	0.25 ± 0.41	0.10 ± 0.24	0.59 ± 0.30			
Year 4	−1.17 ± 1.17	0.43 ± 0.21	−0.26 ± 0.50	0.89 ± 0.39			
Year 5	0.06 ± 0.01	0.36 ± 0.29	−0.34 ± 0.41	1.00 ± 0.35			0.087

Migration	Total Knee Prosthesis*				P Value		
	LPS-Flex Mobile	LPS-Flex Fixed	LPS Mobile	LPS Fixed	Main Effect†	Group × Time Interaction‡	Prespecified Time Point
Longitudinal rotation (deg)							
Five-year period	−0.54 ± 0.31	−0.09 ± 0.25	−0.51 ± 0.29	−0.11 ± 0.27	0.510	0.575	
Week 6	0.06 ± 0.17	−0.13 ± 0.13	−0.05 ± 0.05	−0.00 ± 0.19			
Week 12	−0.35 ± 0.17	0.05 ± 0.18	−0.41 ± 0.32	0.02 ± 0.27			
Week 26	−0.29 ± 0.33	0.09 ± 0.19	−0.40 ± 0.25	0.10 ± 0.19			
Year 1	−0.79 ± 0.86	0.11 ± 0.20	−0.22 ± 0.15	0.05 ± 0.10			
Year 2	−1.17 ± 1.13	0.20 ± 0.22	−0.58 ± 0.23	−0.03 ± 0.16			0.233
Year 3	−1.12 ± 1.15	0.22 ± 0.45	−0.30 ± 0.33	−0.00 ± 0.15			
Year 4	−1.62 ± 1.24	−0.35 ± 0.09	−0.82 ± 0.29	−0.28 ± 0.19			
Year 5	−0.46 ± 0.02	−0.06 ± 0.22	−0.56 ± 0.14	−0.14 ± 0.19			0.198
Sagittal rotation (deg)							
Five-year period	−0.03 ± 0.18	0.19 ± 0.15	−0.21 ± 0.17	0.11 ± 0.16	0.353	0.927	
Week 6	−0.02 ± 0.13	0.05 ± 0.10	−0.12 ± 0.09	0.12 ± 0.13			
Week 12	0.03 ± 0.17	0.09 ± 0.04	−0.18 ± 0.15	0.06 ± 0.20			
Week 26	0.02 ± 0.14	0.20 ± 0.12	−0.13 ± 0.12	0.14 ± 0.20			
Year 1	0.07 ± 0.21	0.22 ± 0.11	−0.00 ± 0.12	0.07 ± 0.23			
Year 2	0.05 ± 0.28	0.24 ± 0.14	−0.19 ± 0.15	0.05 ± 0.27			0.562
Year 3	−0.1 ± 0.25	0.44 ± 0.27	−0.22 ± 0.02	−0.20 ± 0.31			
Year 4	−0.24 ± 0.28	0.57 ± 0.35	−0.32 ± 0.23	0.26 ± 0.19			
Year 5	−0.09 ± 0.34	0.47 ± 0.41	−0.28 ± 0.18	0.24 ± 0.16			0.151
*The values are given as the mean and the standard error. †This category assumes no interaction with time and indicates testing for the overall, between-group mean difference over the entire postoperative follow-up period. ‡This category indicates testing for the overall changing treatment effects with time over the entire postoperative follow-up period. §This is the p value from the analysis without the influential outliers and was tested because of the borderline significance of the primary analysis.							