

Appendix

TABLE E-1 Demographic Data of Patients with a 2-Year Follow-up

Variable	Patients without Generalized Joint Laxity (N = 122)	Patients with Generalized Joint Laxity (N = 41)	P Value
Age* (<i>yr</i>)	29.9 ± 10.6	29.4 ± 10.5	0.904
Sex†			0.246
Male	97 (79.5%)	29 (70.7%)	
Female	25 (20.5%)	12 (29.3%)	
Side†			0.824
Right	66 (54.1%)	23 (56.1%)	
Left	56 (45.9%)	18 (43.9%)	
Duration from injury to operation* (<i>mo</i>)	8.6 ± 8.7	8.3 ± 9.5	0.811
Additional diagnosis†			0.739
Yes	75 (61.5%)	24 (58.5%)	
No	47 (38.5%)	17 (41.5%)	
Posterior tibial slope* (<i>deg</i>)	9.7 ± 1.8	9.9 ± 1.8	0.525

*The values are given as the mean and the standard deviation. †The values are given as the number of patients, with the percentage in parentheses.

TABLE E-2 Comparison of Preoperative Variables of Patients with a 2-Year Follow-up

Variable	Patients without Generalized Joint Laxity (N = 122)	Patients with Generalized Joint Laxity (N = 41)	P Value
Lachman test*			0.940
I	6 (4.9%)	2 (4.9%)	
II	95 (77.9%)	31 (75.6%)	
III	21 (17.2%)	8 (19.5%)	
Pivot-shift test*			0.802
I	9 (7.4%)	3 (7.3%)	
II	97 (79.5%)	31 (75.6%)	
III	16 (13.1%)	7 (17.1%)	
Side-to-side difference in anterior translation†‡ (mm)	7.7 ± 2.1	7.9 ± 2.0	0.415
≥3 and <5 mm	9 (7.4%)	3 (7.3%)	0.907
≥5 and <10 mm	90 (73.8%)	29 (70.7%)	
≥10 mm	23 (18.9%)	9 (22.0%)	
Lysholm knee score† (points)	71.0 ± 10.7	72.3 ± 8.6	0.481
IKDC subjective score† (points)	55.7 ± 9.7	55.5 ± 7.7	0.914
IKDC objective grade*			0.737
B	2 (1.6%)	1 (2.4%)	
C	85 (69.7%)	30 (73.2%)	
D	35 (28.7%)	10 (24.4%)	

*The values are given as the number of patients, with the percentage in parentheses. †The values are given as the mean and the standard deviation. ‡This difference was measured with the KT-2000 arthrometer at 30° of knee flexion with a force of 134 N. The intraclass correlation coefficient of the preoperative side-to-side difference in anterior translation measured with the KT-2000 arthrometer was 0.882 (95% CI, 0.839 to 0.913; $p < 0.001$).

TABLE E-3 Demographic Data of Patients with a 5-Year Follow-up

Variable	Patients without Generalized Joint Laxity (N = 97)	Patients with Generalized Joint Laxity (N = 33)	P Value
Age* (<i>yr</i>)	30 ± 10.3	29.4 ± 10.8	0.748
Sex†			0.277
Male	74 (76.3%)	22 (66.7%)	
Female	23 (23.7%)	11 (33.3%)	
Side†			0.845
Right	51 (52.6%)	18 (54.5%)	
Left	46 (47.4%)	15 (45.5%)	
Duration from injury to operation* (<i>mo</i>)	8.3 ± 8.8	8.7 ± 10.0	0.720
Additional diagnosis†			0.939
Yes	61 (62.9%)	21 (63.6%)	
No	36 (37.1%)	12 (36.4%)	
Posterior tibial slope* (<i>deg</i>)	9.7 ± 1.7	10.0 ± 1.7	0.474

*The values are given as the mean and the standard deviation. †The values are given as the number of patients, with the percentage in parentheses.

TABLE E-4 Comparison of Preoperative Variables of Patients with a 5-Year Follow-up

Variable	Patients without Generalized Joint Laxity (N = 97)	Patients with Generalized Joint Laxity (N = 33)	P Value
Lachman test*			0.734
I	5 (5.2%)	1 (3.0%)	
II	76 (78.4%)	25 (75.8%)	
III	16 (16.5%)	7 (21.2%)	
Pivot-shift test*			0.720
I	9 (9.3%)	2 (6.1%)	
II	76 (78.4%)	25 (75.8%)	
III	12 (12.4%)	6 (18.2%)	
Side-to-side difference in anterior translation†‡ (mm)	7.48 ± 2.12	7.88 ± 2.07	0.197
≥3 and <5 mm	7 (7.2%)	2 (6.1%)	0.937
≥5 and <10 mm	73 (75.3%)	24 (72.7%)	
≥10 mm	17 (17.5%)	7 (21.2%)	
Lysholm knee score† (points)	70.5 ± 11.0	71.9 ± 8.5	0.710
IKDC subjective score† (points)	55.1 ± 9.6	55.9 ± 8.3	0.688
IKDC objective grade*			0.923
B	2 (2.1%)	1 (3.0%)	
C	68 (70.1%)	24 (72.7%)	
D	27 (27.8%)	8 (24.2%)	

*The values are given as the number of patients, with the percentage in parentheses. †The values are given as the mean and the standard deviation. ‡This difference was measured with the KT-2000 arthrometer at 30° of knee flexion with a force of 134 N.

TABLE E-5 Demographic Data of Patients with an 8-Year Follow-up

Variable	Patients without Generalized Joint Laxity (N = 81)	Patients with Generalized Joint Laxity (N = 27)	P Value
Age* (<i>yr</i>)	29.5 ± 10.2	28.7 ± 10.4	0.809
Sex†			0.436
Male	63 (77.8%)	19 (70.4%)	
Female	18 (22.2%)	8 (29.6%)	
Side†			0.911
Right	43 (53.1%)	14 (51.9%)	
Left	38 (46.9%)	13 (48.1%)	
Duration from injury to operation* (<i>mo</i>)	8.6 ± 8.7	8.5 ± 10.9	0.57
Additional diagnosis†			0.82
Yes	50 (61.7%)	16 (59.3%)	
No	31 (38.3%)	11 (40.7%)	
Posterior tibial slope* (<i>deg</i>)	9.7 ± 1.7	9.9 ± 1.8	0.468

*The values are given as the mean and the standard deviation. †The values are given as the number of patients, with the percentage in parentheses.

TABLE E-6 Comparison of Preoperative Variables of Patients with an 8-Year Follow-up

Variable	Patients without Generalized Joint Laxity (N = 81)	Patients with Generalized Joint Laxity (N = 27)	P Value
Lachman test*			0.909
I	4 (4.9%)	1 (3.7%)	
II	62 (76.5%)	22 (81.5%)	
III	15 (18.5%)	4 (14.8%)	
Pivot-shift test*			>0.999
I	7 (8.6%)	2 (7.4%)	
II	63 (77.8%)	22 (81.5%)	
III	11 (13.6%)	3 (11.1%)	
Side-to-side difference in anterior translation†‡ (mm)	7.55 ± 2.19	7.86 ± 2.18	0.364
≥3 and <5 mm	6 (7.4%)	2 (7.4%)	0.930
≥5 and <10 mm	59 (72.8%)	19 (70.4%)	
≥10 mm	16 (19.8%)	6 (22.2%)	
Lysholm knee score† (points)	69.7 ± 9.9	71.6 ± 8.7	0.522
IKDC subjective score† (points)	54.7 ± 8.7	56.0 ± 8.5	0.558
IKDC objective grade*			0.547
B	2 (2.5%)	1 (3.7%)	
C	54 (66.7%)	20 (74.1%)	
D	25 (30.9%)	6 (22.2%)	

*The values are given as the number of patients, with the percentage in parentheses. †The values are given as the mean and the standard deviation. ‡This difference was measured with the KT-2000 arthrometer at 30° of knee flexion with a force of 134 N.

TABLE E-7 Comparison Between Outcomes Measured at 2, 5, and 8 Years Postoperatively in Patients Without Generalized Joint Laxity (N = 81)*

Variable	2 Years	5 Years	8 Years	P Value
Lachman test*				0.368
0 or I	79 (97.5%)	78 (96.3%)	78 (96.3%)	
II or III	2 (2.5%)	3 (3.7%)	3 (3.7%)	
Pivot-shift test*				0.368
0 or I	80 (98.8%)	80 (98.8%)	79 (97.5%)	
II or III	1 (1.2%)	1 (1.2%)	2 (2.5%)	
Side-to-side difference in anterior translation†‡ (mm)	2.16 ± 1.14	2.23 ± 1.25	2.24 ± 1.24	0.608
Lysholm knee score† (points)	90.9 ± 3.9	91.1 ± 3.5	90.5 ± 3.6	0.195
IKDC subjective score† (points)	88.1 ± 8.2	88.5 ± 7.3	88.9 ± 7.6	0.120
IKDC objective grade*				0.097
A or B	78 (96.3%)	76 (93.8%)	75 (92.6%)	
C or D	3 (3.7%)	5 (6.2%)	6 (7.4%)	
IKDC radiographic grade*				0.050
A or B	81 (100%)	81 (100%)	78 (96.3%)	
C or D	0 (0%)	0 (0%)	3 (3.7%)	

*The values are given as the number of patients, with the percentage in parentheses. †The values are given as the mean and the standard deviation. ‡This difference was measured with the KT-2000 arthrometer at 30° of knee flexion with a force of 134 N.

TABLE E-8 Post Hoc Test of Postoperative Variables Between Different Times with Use of the Bonferroni Correction*

Variable	2 Years Compared with 5 Years	2 Years Compared with 8 Years	5 Years Compared with 8 Years
Side-to-side difference in anterior translation	0.003	0.006	>0.999
Lysholm knee score	0.018	0.003	>0.999
IKDC subjective score	0.057	0.018	>0.999

*The values are given as the adjusted p value with use of Bonferroni correction.