

TABLE E-1

TEGNER ACTIVITY SCORES¹

Score (points)	Primary repair group	LAD-group	BPTB-group
Tegner activity²			
Preinjury			
0-3	1 (2)	1 (2)	2 (4)
4-6	18 (36)	23 (49)	20 (40)
7-10	31 (62)	23 (49)	28 (56)
Total no. of patients	50 (100)	47 (100)	50 (100)
Five years postop.			
0-3	7 (17)	6 (14)	6 (13)
4-6	25 (61)	27 (64)	29 (60)
7-10	9 (22)	9 (21)	13 (27)
Total no. of patients	41 (100)	42 (100)	48 (100)
16 years postop.			
0-3	2 (6)	4 (12)	3 (9)
4-6	24 (77)	21 (64)	20 (57)
7-10	5 (16)	8 (24)	12 (34)
Total no. of patients	31 (100)	33 (100)	35 (100)

¹The values are given as a number of patients, with the percentage in parentheses. LAD = ligament augmentation device, and BPTB = bone-patellar tendon-bone graft.

²A score of 0 to 3 points represents a low level of activity; 4, 5 or 6 points, a recreational athlete; and 7 to 10 points, a high-performance athlete.

TABLE E-2

LYSHOLM FUNCTIONAL SCORES¹

	Primary repair group	LAD-group	BPTB-group
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Five years postop.			
0-64	1 (2)	0 (0)	0 (0)
65-83	10 (24)	6 (14)	2 (4)
84-94	20 (49)	22 (52)	25 (52)
95-100	10 (24)	14 (33)	21 (44)
Total no. of patients	41 (100)	42 (100)	48 (100)
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16 years postop.			
0-64	3 (9)	2 (6)	3 (8)
65-83	7 (21)	10 (29)	2 (6)
84-94	7 (21)	10 (29)	16 (44)
95-100	16 (48)	12 (35)	15 (42)
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Total no. of patients	33 (100)	34 (100)	36 (100)

¹A score of 0 to 64 points represents a poor outcome; 65 to 83 points, a fair outcome; 84 to 94 points, a good outcome; and 95 to 100 points, an excellent outcome. LAD = ligament augmentation device, and BPTB = bone-patellar tendon-bone graft.

TABLE E-3 RESTRICTION OF THE RANGE OF MOTION^{*1} Deficit compared with the uninjured knee (degrees)

Five years postop.

Degrees	Primary repair group		LAD-group		BPTB-group	
	Flexion(%)	Extension (%)	Flexion(%)	Extension(%)	Flexion(%)	Extension(%)
0-5	30(73)	39(95)	27(64)	36(86)	29(60)	40(83)
6-10	7(17)	1 (2)	10(24)	6(14)	13(27)	7(15)
11-20	3 (7)	1 (2)	5(12)	0 (0)	5(10)	1 (2)
21-30	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)
Total	41(100)	41(100)	42(100)	42(100)	48(100)	48(100)

16 years postop.

Degrees	Primary repair group		LAD-group		BPTB-group	
	Flexion(%)	Extension (%)	Flexion(%)	Extension(%)	Flexion(%)	Extension(%)
0-5	19(70)	19(70)	19(63)	22(73)	24(69)	27(77)
6-10	6(22)	7(26)	9(30)	7(23)	6(17)	8(23)
11-20	1 (4)	1 (4)	2 (7)	1 (3)	4(11)	0 (0)
21-30	1 (4)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)
Total	27(100)	27(100)	30(100)	30(100)	35(100)	35(100)

^{*1}The values are given as number of patients, with percentage in parentheses. LAD = ligament augmentation device, and BPTB = bone-patellar tendon-bone graft.

TABLE E-4

Laxity*

	Primary Repair Group	LAD Group	BPTB Group
Pivot shift†			
Preop.			
0	3 (6)	1 (2)	0 (0)
1+	17 (34)	14 (30)	11 (22)
2+	24 (48)	29 (62)	35 (70)
3+	6 (12)	3 (6)	4 (8)
Total	50 (100)	47 (100)	50 (100)
Five years			
0	11 (27)	20 (48)	36 (75)
1+	9 (22)	7 (17)	8 (17)
2+	9 (22)	8 (19)	4 (8)
3+	12 (29)	7 (17)	0 (0)
Total	41 (100)	42 (100)	48 (100)
Sixteen years			
0	16 (57)	14 (48)	24 (69)
1+	7 (25)	10 (34)	9 (26)
2+	2 (7)	5 (17)	2 (6)
3+	3 (11)	0 (0)	0 (0)
Total	28 (100)	29 (100)	35 (100)
Lachman test‡			
Preop.			
0	1 (2)	0 (0)	0 (0)
1+	1 (2)	1 (2)	0 (0)
2+	40 (80)	37 (79)	39 (78)
3+	8 (16)	9 (19)	11 (22)
Total	50 (100)	47 (100)	50 (100)
Five years			
0	11 (27)	16 (38)	27 (56)
1+	12 (29)	14 (33)	16 (33)
2+	15 (37)	11 (26)	4 (8)
3+	3 (7)	1 (2)	1 (2)
Total	41 (100)	42 (100)	48 (100)
Sixteen years			
0	11 (39)	6 (21)	15 (43)
1+	12 (43)	13 (45)	16 (46)
2+	4 (14)	9 (31)	4 (11)
3+	1 (4)	1 (3)	0 (0)
Total	28 (100)	29 (100)	35 (100)
KT-1000 measurements§			
Five years			
<3 mm	14 (34)	22 (52)	38 (79)
3-5 mm	17 (41)	15 (36)	10 (21)
>5 mm	10 (24)	5 (12)	0 (0)
Total	41 (100)	42 (100)	48 (100)
Sixteen years			
<3 mm	14 (52)	18 (62)	23 (70)
3-5 mm	11 (41)	8 (28)	9 (27)
>5 mm	2 (7)	3 (10)	1 (3)
Total	27 (100)	29 (100)	33 (100)

*The values are given as the number of patients, with the percentage in parentheses. LAD = ligament augmentation device, and BPTB = bone-patellar tendon-bone graft. †Pivot shift: A grade of 0 is negative, 1+ is trace-positive, 2+ is moderate shift, and 3+ is subluxation. ‡The preoperative Lachman test was performed with the patient under anesthesia. A grade of 0 is negative, 1+ is slight (less than five millimeters), 2+ is moderate (five to ten millimeters), and 3+ is severe (more than ten millimeters), compared with the normal knee. §The side-to-side difference in anterior laxity of the knee was measured with the KT-1000 arthrometer, with a load level of eighty-nine newtons (twenty pounds) applied at 20 degrees of flexion.