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Appendix

Table E-I Functional Scores*

	No IER reinforcement (N = 30)	IER reinforcement (N = 29)	P Value
KAFS			
Preop.	48 (27, 65)	55 (44, 68)	0.065 [¶]
6 months	71 (61, 82)	72 (68, 84)	0.475 [¶]
12 months	82 (69, 91)	85 (76, 92)	0.396 [¶]
Preop. to 12 months [†]	30 (19, 48)	26 (15, 44)	0.129 [¶]
P Value [‡]	<0.001	<0.001	
Percentage of patients who exceeded MCID [§]	96.7%	82.8%	0.103 ^{††}
FAOS			
Pain			
Preop.	66 (55, 73)	70 (61, 73)	0.499 [¶]
6 months	82 (69, 87)	83 (73, 86)	0.595 [¶]
12 months	86 (71, 92)	88 (77, 91)	0.735 [¶]
Preop. to 12 months [†]	18 (14, 19)	18 (15, 19)	0.808 ^{††}
P Value [‡]	<0.001	<0.001	
Percentage of patients who exceeded MCID [§]	90.0%	86.2%	0.706 ^{**}
Symptoms			
Preop.	67 (54, 71)	68 (60, 71)	0.460 [¶]
6 months	74 (61, 79)	75 (66, 78)	0.893 [¶]
12 months	79 (65, 84)	78 (71, 82)	0.590 [¶]
Preop. to 12 months [†]	11 (9, 12)	12 (10, 12)	0.868 ^{††}
P Value [‡]	0.004	<0.001	
Percentage of patients	90.0%	82.8%	0.472 ^{**}

who exceeded MCID [§]			
ADL			
Preop.	87 (73, 93)	89 (78, 92)	0.727 [¶]
6 months	94 (82, 96)	94 (84, 97)	0.308 [¶]
12 months	93 (83, 96)	97 (89, 99)	0.206 [¶]
Preop. to 12 months [†]	9 (1, 10)	8 (4, 11)	0.676 [¶]
P Value [‡]	<0.001	0.001	
Percentage of patients who exceeded MCID [§]	60.0%	69.0%	0.472 ^{‡‡}
Sports			
Preop.	44 (36, 48)	45 (40, 48)	0.264 [¶]
6 months	63 (53, 67)	65 (57, 68)	0.336 [¶]
12 months	76 (62, 80)	76 (67, 79)	0.793 [¶]
Preop. to 12 months [†]	31 (25, 33)	30 (25, 32)	0.779 ^{††}
P Value [‡]	<0.001	<0.001	
Percentage of patients who exceeded MCID [§]	100%	93.1%	0.237 ^{**}
QoL			
Preop.	53 (41, 57)	53 (47, 57)	0.812 [¶]
6 months	71 (59, 75)	72 (63, 75)	0.432 [¶]
12 months	80 (65, 84)	80 (70, 83)	0.681 [¶]
Preop. to 12 months [†]	25 (21, 28)	26 (23, 29)	0.255 ^{††}
P Value [‡]	<0.001	<0.001	
Percentage of patients who exceeded MCID [§]	90.0%	89.7%	>0.999 ^{**}
Total			
Preop.	60 (47, 77)	66 (58, 81)	0.095 [¶]
6 months	77 (65, 88)	81 (70, 88)	0.539 [¶]
12 months	87 (72, 92)	87 (77, 91)	0.890 [¶]
Preop. to 12 months [†]	19 (8, 37)	13 (3, 28)	0.103 [¶]
P Value [‡]	<0.001	<0.001	

Percentage of patients who exceeded MCID [§]	76.7%	62.1%	0.223 ^{††}
TAS			
Preop.	3 (1, 5)	3 (2, 5)	0.818 [¶]
6 months	5 (4, 6)	5 (4, 6)	0.263 [¶]
12 months	6 (5, 7)	6 (5, 7)	>0.999 [¶]
Preop. to 12 months [†]	4 (1, 5)	3 (2, 5)	0.834 [¶]
P Value [‡]	<0.001	<0.001	
Percentage of patients who exceeded MCID [§]	73.3%	75.9%	0.824 ^{††}
TAS ≥ 5 (<i>no.</i>)			
Preop.	8 (26.7%)	10 (34.5%)	0.514 ^{††}
6 months	18 (60.0%)	20 (69.0%)	0.472 ^{††}
12 months	28(93.3%)	27 (93.1%)	>0.999 ^{**}

* The data are presented as the median, with the 25th and 75th percentiles in parentheses.

[†]Difference between the values obtained preoperatively and 12 months postoperatively. [‡]P value was obtained from the paired t-test for the comparison between values recorded preoperatively and 12 months postoperatively.

FAOS = foot and ankle outcome score, ADL = activities of daily living, QoL = quality of life, KAFS = Karlsson ankle functional score, TAS = Tegner activity scores, IER = inferior extensor retinaculum, Preop. = preoperative

[§]The MCID was 9.5 for KFAS, 5.3 for FAOS-pain, 6.1 for FAOS-symptoms, 5.0 for FAOS-ADL, 5.8 for FAOS-sports, 6.8 for FAOS-QoL, 8.3 for FAOS-total, and 1.1 for TAS.

[¶]Student's t-test, ^{**}Fisher's exact test, ^{††}Mann-Whitney U test, ^{‡‡}chi-square test.