

Supplementary Material

Appendix Table A1. Binominal logistic regression predicting likelihood of playing preinjury sport at preinjury level at follow-up based on sport, level of sport, and time to follow-up.

	B	S.E.	Wald	df	p-value	Odds ratio	95% CI for odds ratio	
							Lower	Upper
Type of sport								
Non-contact, non-pivoting	-.193	.433	.198	1	.657	.825	.353	1.928
Non-contact, pivoting	-.512	.434	1.396	1	.237	.599	.256	1.402
Type of sport								
Competitive	-.669	.441	2.306	1	.129	.512	.216	1.215
Recreational	-.416	.468	.790	1	.374	.660	.264	1.650
Time to follow-up (years)								
1 to <3	.474	.478	.982	1	.322	1.606	.629	4.096
3 to <6	-.083	.482	.030	1	.863	.920	.358	2.368
Constant	.858	.667	1.656	1	.198	2.358		

Note: Non-contact, non-pivoting and Non-contact, pivoting compared to Contact sport; Competitive and Recreational compared to Elite; 1 to <3 years and 3 to <6 years compared to 0.5 to <1 year.

Appendix Table A2. Between-group differences in self-reported hip and groin function measured with the Copenhagen Hip and Groin Outcome Score at follow-up. Data presented as mean (standard deviation) unless stated otherwise.

	Playing preinjury sport at preinjury level at follow-up (n=103-106)	Not playing preinjury sport at preinjury level at follow-up (n=79-80)	Between-group difference [95% CI], Cohen's <i>d</i>
Symptoms	65.9 (18.7)	56.0 (21.9)	9.9 [4.0;15.8], 0.48*
Pain	78.0 (16.5)	67.5 (22.7)	10.5 [4.8;16.2], 0.52*
ADL	84.4 (15.3)	72.6 (24.3)	11.8 [6.0;17.6], 0.57*
Sport/Rec	67.7 (23.3)	52.7 (27.0)	15.1 [7.7;22.4], 0.58*
PA	59.7 (29.2)	30.7 (32.0)	29.0 [20.0;38.0], 0.86*
QOL	58.8 (21.7)	42.2 (25.0)	16.6 [9.7;23.4],0.68*

ADL (physical function in daily living); Sport/Rec (function in sport and recreation); PA (participation in physical activities); QOL (quality of life). * Denotes a statistical significant ($p<0.05$) between-group difference in values at follow-up.

Appendix Table A3. Between-group differences in self-reported hip and groin function measured with the Copenhagen Hip and Groin Outcome Score at follow-up based on performance and participation. Statistical post-hoc test: Games Howell.

						95% Confidence Interval	
						Lower Bound	Upper Bound
Optimal performance including full participation	Symptom	2	-16.21	4.33	0.003	-27.81	-4.61
		3	-18.88	3.39	0.000	-27.78	-9.98
		4	-22.59	3.28	0.000	-31.16	-14.02
	Pain	2	-12.65	3.71	0.008	-22.58	-2.72
		3	-19.54	2.92	0.000	-27.22	-11.85
		4	-22.72	3.18	0.000	-31.01	-14.43
	ADL	2	-9.03	2.99	0.024	-17.12	-0.95
		3	-17.65	2.64	0.000	-24.59	-10.70
		4	-22.21	2.98	0.000	-29.99	-14.43
	Sport/Rec	2	-22.48	4.51	0.000	-34.61	-10.35
		3	-32.24	3.86	0.000	-42.39	-22.09
		4	-35.53	3.74	0.000	-45.29	-25.78
	PA	2	-23.83	4.53	0.000	-35.94	-11.73
		3	-49.01	4.31	0.000	-60.33	-37.69
		4	-57.64	4.36	0.000	-69.02	-46.26
	QOL	2	-26.77	3.77	0.000	-36.86	-16.67
3		-34.08	3.34	0.000	-42.85	-25.31	
4		-38.95	3.42	0.000	-47.89	-30.01	
Impaired performance but full full participation	Symptom	1	16.21	4.33	0.003	4.61	27.81
		3	-2.67	4.56	0.936	-14.79	9.45
		4	-6.38	4.47	0.490	-18.29	5.53
	Pain	1	12.65	3.71	0.008	2.72	22.58
		3	-6.88	3.88	0.299	-17.20	3.44
		4	-10.06	4.07	0.075	-20.84	0.71
	ADL	1	9.03	2.99	0.024	0.95	17.12
		3	-8.61	3.60	0.090	-18.14	0.92
		4	-13.18	3.86	0.006	-23.32	-3.03
	Sport/Rec	1	22.48	4.51	0.000	10.35	34.61
		3	-9.76	5.06	0.228	-23.18	3.66
		4	-13.05	4.97	0.053	-26.22	0.11
	PA	1	23.83	4.53	0.000	11.73	35.94
		3	-25.18	5.18	0.000	-38.88	-11.48
		4	-33.80	5.23	0.000	-47.57	-20.04
	QOL	1	26.77	3.77	0.000	16.67	36.86
3		-7.32	4.20	0.313	-18.45	3.82	
4		-12.18	4.27	0.029	-23.46	-0.91	

Note: Table continues on subsequent page. 1) Optimal performance including full participation; 2) Impaired performance but full participation; 3) Impaired performance including restricted participation; 4) not playing preinjury sport at preinjury level. ADL (physical function in daily living); Sport/Rec (function in sport and recreation); PA (participation in physical activities); QOL (quality of life). **Bold** denotes a statistical significant ($p<0.05$) between group difference.

Appendix Table A3 (continued). Between-group differences in self-reported hip and groin function measured with the Copenhagen Hip and Groin Outcome Score at follow-up based on performance and participation. Statistical post-hoc test: Games Howell.

participation. Statistical post-hoc test. Games-Howen.					95% Confidence Interval		
			Mean Difference	Std. Error	p-value	Lower Bound	Upper Bound
Impaired performance including restricted participation	Symptom	1	18.88	3.39	0.000	9.98	27.78
		2	2.67	4.56	0.936	-9.45	14.79
		4	-3.71	3.57	0.727	-13.02	5.60
	Pain	1	19.54	2.92	0.000	11.85	27.22
		2	6.88	3.88	0.299	-3.44	17.20
		4	-3.18	3.37	0.782	-11.97	5.60
	ADL	1	17.65	2.64	0.000	10.70	24.59
		2	8.61	3.60	0.090	-0.92	18.14
		4	-4.56	3.59	0.583	-13.92	4.79
	Sport/Rec	1	32.24	3.86	0.000	22.09	42.39
		2	9.76	5.06	0.228	-3.66	23.18
		4	-3.29	4.38	0.876	-14.72	8.13
PA	1	49.01	4.31	0.000	37.69	60.33	
	2	25.18	5.18	0.000	11.48	38.88	
	4	-8.63	5.04	0.322	-21.76	4.50	
QOL	1	34.08	3.34	0.000	25.31	42.85	
	2	7.32	4.20	0.313	-3.82	18.45	
	4	-4.87	3.90	0.597	-15.03	5.29	
Not playing preinjury sport at preinjury level	Symptom	1	22.59	3.28	0.000	14.02	31.16
		2	6.38	4.47	0.490	-5.53	18.29
		3	3.71	3.57	0.727	-5.60	13.02
	Pain	1	22.72	3.18	0.000	14.43	31.01
		2	10.06	4.07	0.075	-0.71	20.84
		3	3.18	3.37	0.782	-5.60	11.97
	ADL	1	22.21	2.98	0.000	14.43	29.99
		2	13.18	3.86	0.006	3.03	23.32
		3	4.56	3.59	0.583	-4.79	13.92
	Sport/Rec	1	35.53	3.74	0.000	25.78	45.29
		2	13.05	4.97	0.053	-0.11	26.22
		3	3.29	4.38	0.876	-8.13	14.72
	PA	1	57.64	4.36	0.000	46.26	69.02
		2	33.80	5.23	0.000	20.04	47.57
		3	8.63	5.04	0.322	-4.50	21.76
QOL	1	38.95	3.42	0.000	30.01	47.89	
	2	12.18	4.27	0.029	0.91	23.46	
	3	4.87	3.90	0.597	-5.29	15.03	

1) Optimal performance including full participation; 2) Impaired performance but full participation; 3) Impaired performance including restricted participation; 4) not playing preinjury sport at preinjury level. ADL (physical function in daily living); Sport/Rec (function in sport and recreation); PA (participation in physical activities); QOL (quality of life). **Bold** denotes a statistical significant ($p < 0.05$) between group difference.

Appendix Table A4. Differences from pre-surgery to follow-up in self-reported hip and groin function measured with the Copenhagen Hip and Groin Outcome Score. Data presented as mean (standard deviation) unless stated otherwise.

	Pre-surgery	Follow-up	Between-group difference [95% CI], Cohens <i>d</i>
Symptoms	54.5 (19.3)	63.0 (23.8)	8.5 [4.8;12.3], 0.44*
Pain	59.3 (19.1)	74.4 (22.7)	15.1 [11.2;18.9], 0.79*
ADL	64.7 (23.6)	80.2 (23.6)	15.4 [11.6;19.3], 0.66*
Sport/Rec	43.4 (24.0)	61.1 (29.5)	17.6 [12.6;22.5], 0.73*
PA	21.2 (25.1)	48.7 (27.5)	27.6 [21.0;34.2], 1.10*
QOL	32.6 (18.1)	53.3 (27.8)	20.7 [16.0;25.4], 1.15*

ADL (physical function in daily living); Sport/Rec (function in sport and recreation); PA (participation in physical activities); QOL (quality of life). * Denotes a statistical significant ($p<0.05$) difference from pre-surgery to follow-up.

Due to missing data in pre-surgery HAGOS scores only 108 athletes are included in the analyses.

Appendix Table A5. Between-group differences in pre-surgery self-reported hip and groin function measured with the Copenhagen Hip and Groin Outcome Score. Data presented as mean (standard deviation) unless stated otherwise.

	Playing preinjury sport at preinjury level at follow-up (n=66)	Not playing preinjury sport at preinjury level at follow-up (n=42)	Between-group difference [95% CI]
Symptoms	56.5 (18.1)	49.6 (19.0)	6.9 [-0.3;14.1]
Pain	61.6 (16.8)	54.6 (20.6)	7.0 [-0.2;14.2]
ADL	70.4 (19.7)	53.8 (25.3)	16.6 [7.4;25.7]*
Sport/Rec	44.9 (22.9)	38.9 (23.6)	6.0 [-3.1;15.0]
PA	23.1 (25.4)	15.0 (18.8)	8.1 [-0.9;17.1]
QOL	33.9 (15.4)	28.5 (17.3)	5.4 [-0.9;11.7]

ADL (physical function in daily living); Sport/Rec (function in sport and recreation); PA (participation in physical activities); QOL (quality of life). * Denotes a statistical significant ($p<0.05$) between-group difference in pre-surgery values.

Appendix Table A6. Between-group differences in mean changes from pre-surgery to follow-up in self-reported hip and groin function measured with the Copenhagen Hip and Groin Outcome Score. Data presented as mean (standard deviation) unless stated otherwise.

	Playing preinjury sport at preinjury level (n=63-66)			Not playing preinjury sport at preinjury level (n=40-41)			Adjusted between-group differences in mean change [95% CI], Cohen's <i>d</i>
	Pre-surgery	Follow-up	Within-group changes [95% CI]	Pre-surgery	Follow-up	Within-group changes [95% CI]	
Symptoms	56.5 (18.1)	67.6 (17.9)	11.1 [6.6;15.6]*	50.0 (19.0)	52.7 (21.7)	2.7 [-2.9;8.3]	11.2 [4.6;17.8], 0.60**
Pain	61.3 (16.8)	78.9 (15.5)	17.6 [13.1;22.0]*	55.0 (20.7)	64.6 (23.4)	9.6 [3.3;15.9]*	11.1 [4.5;17.7], 0.60**
ADL	70.6 (19.9)	86.4 (14.2)	15.8 [11.1;20.5]*	54.5 (25.1)	68.0 (25.6)	13.5 [7.2;19.9]*	10.2 [3.4;16.9], 0.44**
Sport/Rec	45.1 (22.9)	68.5 (24.0)	23.4 [17.0;29.8]*	39.3 (23.7)	46.5 (26.5)	7.2 [0.3;14.1]*	18.8 [10.1;27.5], 0.81**
PA	23.6 (25.8)	60.3 (29.9)	36.7 [28.2;45.2]*	15.2 (19.1)	27.2 (28.7)	12.0 [3.1;21.0]*	30.0 [18.4;41.5], 1.29**
QOL	34.2 (15.5)	59.2 (22.2)	25.0 [19.4;30.6]*	28.1 (17.6)	40.8 (24.6)	12.6 [4.7;20.5]*	15.4 [6.5;24.3], 0.94**

ADL (physical function in daily living); Sport/Rec (function in sport and recreation); PA (participation in physical activities); QOL (quality of life). * Denotes a statistical significant (p<0.05) change from pre-surgery to follow-up. ** Denotes a statistical significant adjusted between-group difference in mean change (p<0.05).

Due to missing data on pre-surgery HAGOS scores, 63-66 and 40-41 athletes playing preinjury sport at preinjury level and not playing preinjury sport at preinjury level, respectively, were included in the above analyses.