

Supplementary Table 2A and 2B. Frequency distributions of intra- and inter-rater differences in the macroscopic scores of 107 medial (Subtable A) and lateral (Subtable B) menisci for four readers (A, B, C, D). Intra-rater differences (A vs A and C vs C) are differences in replicate scoring by readers A and C respectively, taken at least 3 weeks apart. Inter-rater differences (A vs B, A vs C, A vs D, B vs C, B vs D, C vs D) are (reader 1 – reader 2) scores, using the initial scoring by reader 1.

A. Medial

Raters	-4	-3	-2	-1	0	1	2	3	4
A vs A	0	0	0	6	93	7	0	0	0
C vs C	0	1	2	12	78	12	1	0	0
A vs B	0	0	9	21	68	7	1	0	0
A vs C	0	2	2	19	65	15	2	0	1
A vs D	0	1	1	29	58	16	1	0	0
B vs C	0	2	2	19	45	25	12	1	0
B vs D	0	1	0	23	51	22	9	0	0
C vs D	1	0	3	27	52	20	2	1	0

B. Lateral

Raters	-4	-3	-2	-1	0	1	2	3	4
A vs A	0	0	0	4	98	4	0	0	0
C vs C	1	0	1	9	86	9	0	0	0
A vs B	0	0	3	27	60	15	1	0	0
A vs C	0	0	0	12	74	15	3	2	0
A vs D	0	0	1	28	66	9	2	0	0
B vs C	0	0	1	22	39	35	7	2	0
B vs D	0	0	1	26	54	23	2	0	0
C vs D	0	1	5	31	57	12	0	0	0

Supplementary Table 3A and 3B. Frequency distributions of intra- and inter-rater differences in the histopathologic scores (Subtable A) and grades (Subtable B) of 222 samples, evaluated by each of 3 readers (A, B, and D). Intra-rater differences (A vs A and B vs B) are differences in replicate scoring or grading by readers A and B respectively, taken at least 3 weeks apart. Inter-rater differences (A vs B, A vs D, B vs D) are (reader 1 – reader 2) scores or grades, using the initial scoring by reader 1.

A. Total Scores

Raters		-4	-3	-2	-1	0	1	2	3	4
A vs A		0	0	3	15	193	11	0	0	0
B vs B		0	0	3	23	162	31	3	0	0
A vs B		0	0	10	36	99	59	15	3	0
A vs D		1	3	21	47	97	36	16	1	0
B vs D		2	9	29	60	62	44	12	4	0

B. Grades

Raters		-1	0	1
A vs A		4	217	1
B vs B		6	209	7
A vs B		10	193	19
A vs D		23	183	16
B vs D		34	170	18

Supplementary Table 4A and 4B. Intraclass correlation coefficients (ICCs) for 4 readers performing the macroscopic scoring. Intraclass correlation coefficients were determined from n=107 samples, evaluated by each of the four readers. The ICCs summarize inter-reader agreement, with the exception of the (A, A) and (C, C) entries: readers A and C had performed replicate scoring at least 3 weeks apart, so these entries summarize intra-reader agreement. Standard errors of the ICCs are given in parentheses.

A. Medial

Rater		A	B	C	D
A		.991 (.100)	.955 (.100)	.945 (.100)	.953 (.100)
B				.918 (.100)	.938 (.100)
C				.973 (.100)	.938 (.100)

B. Lateral

Rater		A	B	C	D
A		.994 (.100)	.960 (.100)	.956 (.100)	.962 (.100)
B				.923 (.100)	.956 (.100)
C				.969 (.100)	.942 (.100)

Supplementary Table 5A and 5B. Intraclass correlation coefficients (ICCs) for 3 readers performing the histopathologic scoring. Intraclass correlation coefficients were determined from n=222 samples, evaluated by each of the three readers. The ICCs summarize inter-reader agreement, with the exception of the (A, A) and (B, B) entries: readers A and B had performed replicate scoring at least 3 weeks apart, so these entries summarize intra-reader agreement. Standard errors of the ICCs are given in parentheses.

A. Total scores

Rater		A	B	D
A		.997 (.067)	.980 (.067)	.974 (.067)
B			.993 (.067)	.960 (.067)

B. Grades

Rater		A	B	D
A		.990 (.067)	.942 (.067)	.919 (.067)
B			.972 (.067)	.887 (.067)