

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Moseley JB, O'Malley K, Petersen NJ, et al. A Controlled Trial of Arthroscopic Surgery for Osteoarthritis of the Knee. *N Engl J Med* 2002;347:81-8.

SUPPLEMENTARY APPENDIX 1

KNEE-SPECIFIC PAIN SCALE.*

ITEM	RANGE OF RESPONSES	MEANING OF RESPONSES
Pain magnitude		
Pain intensity		
1. How much pain are you currently having in your left/right knee?	1–7	Severe pain to no pain
2. At the present time (right now), how intense is your left/right knee pain?	0–10	No pain to bad as could be
3. In the past week, how intense was your worst left/right knee pain?	0–10	No pain to bad as could be
4. In the past week, on the average, how intense was your left/right knee pain?	0–10	No pain to bad as could be
Pain frequency		
5. On about how many days have you had knee pain in the past week in your left/right knee?	0–7	No days to all days
6. On days when you've had knee pain in the past week, how many hours were you usually in pain in your left/right knee?	0–24	No hours to all hours
7. On about how many days in the past week have you been kept from your usual activities (work, school, housework) because of the pain in your left/right knee?	0–7	No days to all days
Pain distastefulness		
8. Compared to other people your age, do you rate your situation regarding pain as . . .	1–5	Very poor to excellent
9. How satisfied are you with your current situation regarding pain?	1–5	Very satisfied to very dissatisfied
10. How pleased are you with your current situation regarding pain?	1–5	Very displeased to very pleased
11. How much of a problem do you have with pain because of your left/right knee?	1–6	None to very severe
12. In the past week, how unpleasant or distressing was your left/right knee pain?	1–10	No pain to bad as could be

*To calculate the total score, subtract the scores for items 1, 8, and 10 from the highest possible scores for those items +1 (to reverse the direction of scores, in keeping with the scores for the other items), rescale all items to a 0-to-10 scale, and add the scores for the items in each group (intensity, frequency, and distastefulness). Then average the scores for intensity and frequency to create the final pain-magnitude score, and average the sums of the pain-magnitude and pain-distastefulness scores to generate a total score. Each patient received a survey regarding his or her study knee; only the word “left” or “right” was included on each survey.

SUPPLEMENTARY APPENDIX 2

SCORES ON THE KNEE-SPECIFIC PAIN SCALE.*

VARIABLE	BEFORE PROCEDURE	AFTER PROCEDURE						
		2 WK	6 WK	3 MO	6 MO	1 YR	18 MO	2 YR
Placebo group								
No. with data	60	59	57	56	57	53	52	55
Score	65.0±13.9	45.9±20.5	45.7±21.7	48.8±21.5	47.6±20.7	48.9±21.9	52.4±22.4	51.6±23.7
Lavage group								
No. with data	61	59	57	59	59	57	56	55
Score	63.9±15.7	52.1±19.5	51.2±20.4	53.1±20.7	53.2±22.6	54.8±19.8	51.1±22.7	53.7±23.7
Débridement group								
No. with data	58	59	59	58	56	50	51	53
Score	62.9±17.6	54.6±18.5	49.3±23.0	49.3±22.0	50.0±21.0	51.7±22.4	50.7±25.3	51.4±23.2
Placebo group vs. lavage group								
Difference between mean scores (95% CI)	1.0 (-4.3 to 6.4)	-6.2 (-13.5 to 1.1)	-5.5 (-13.3 to 2.3)	-4.3 (-12.1 to 3.5)	-5.6 (-13.6 to 2.4)	-6.0 (-13.8 to 1.9)	1.2 (-7.4 to 9.9)	-2.1 (-11.1 to 6.9)
P value	0.70	0.09	0.16	0.28	0.17	0.14	0.78	0.64
Placebo group vs. débridement group								
Difference between mean scores (95% CI)	2.0 (-3.7 to 7.8)	-8.6 (-15.8 to -1.5)	-3.6 (-11.9 to 4.6)	-0.5 (-8.6 to 7.5)	-2.3 (-10.1 to 5.4)	-2.9 (-11.5 to 5.8)	1.7 (-7.7 to 11.0)	0.2 (-8.8 to 9.2)
P value	0.48	0.02	0.38	0.89	0.55	0.51	0.73	0.96

*Scores range from 0 to 100, with higher scores indicating more severe pain. Plus-minus values are means ±SD. CI denotes confidence interval.

SCORES ON THE WALKING-BENDING SUBSCALE OF THE ARTHRITIS IMPACT MEASUREMENT SCALES.*

VARIABLE	BEFORE PROCEDURE	AFTER PROCEDURE						
		2 WK	6 WK	3 MO	6 MO	1 YR	18 MO	2 YR
Placebo group								
No. with data	60	59	57	56	57	54	52	55
Score	58.5±21.4	47.9±27.9	47.3±22.3	49.9±21.6	49.1±25.8	49.4±25.5	55.6±26.6	53.8±27.5
Lavage group								
No. with data	61	59	57	59	59	57	57	56
Score	55.5±25.0	57.5±26.4	47.2±28.8	47.9±30.1	48.7±31.6	49.6±29.1	50.5±28.5	51.1±28.3
Débridement group								
No. with data	58	58	59	58	55	51	51	53
Score	59.3±26.0	61.7±26.3	49.9±30.8	53.5±28.6	52.5±28.7	56.4±28.4	53.1±29.3	56.4±29.4
Placebo group vs. lavage group								
Difference between mean scores (95% CI)	3.1 (-5.3 to 11.4)	-9.7 (-19.5 to 0.2)	0.1 (-9.4 to 9.7)	2.0 (-7.7 to 11.7)	0.4 (-10.2 to 11.1)	-0.1 (-10.4 to 10.2)	5.1 (-5.5 to 15.6)†	2.7 (-7.8 to 13.2)†
P value	0.47	0.06	0.98	0.68	0.94	0.98	0.34	0.61
Placebo group vs. débridement group								
Difference between mean scores (95% CI)	-0.8 (-9.5 to 7.9)	-13.8 (-23.7 to -3.9)	-2.6 (-12.5 to 7.3)	-3.6 (-13.0 to 5.8)	-3.4 (-13.6 to 6.8)	-7.0 (-17.4 to 3.4)	2.4 (-8.5 to 13.4)†	-2.6 (-13.4 to 8.2)
P value	0.86	0.007	0.60	0.45	0.51	0.19	0.66	0.64

*Scores were transformed into scores on a scale ranging from 0 to 100, with higher scores indicating more limited function. Plus-minus values are means ±SD. CI denotes confidence interval.

†This 95 percent confidence interval includes the minimal important difference.

SCORES ON THE PAIN SUBSCALE OF THE MEDICAL OUTCOMES STUDY 36-ITEM SHORT-FORM GENERAL HEALTH SURVEY.*

VARIABLE	BEFORE PROCEDURE	AFTER PROCEDURE						
		2 WK	6 WK	3 MO	6 MO	1 YR	18 MO	2 YR
Placebo group								
No. with data	60	59	57	56	57	54	52	55
Score	37.8±17.6	53.6±24.1	49.8±23.3	46.9±24.9	46.3±26.4	43.6±24.8	40.8±24.9	42.3±24.2
Lavage group								
No. with data	61	59	57	59	59	57	57	57
Score	37.4±15.9	44.7±19.7	45.2±21.1	47.1±21.1	46.0±22.0	42.8±21.2	44.4±24.9	44.4±22.4
Débridement group								
No. with data	59	59	59	58	55	51	51	52
Score	38.9±19.3	38.3±19.8	46.6±21.0	46.8±21.9	45.1±20.6	44.5±24.3	46.8±22.8	45.0±23.0
Placebo group vs. lavage group								
Difference between mean scores (95% CI)	0.3 (-5.7 to 6.4)	8.8 (0.8 to 16.9)	4.6 (-3.7 to 12.8)	-0.2 (-8.7 to 8.3)	0.3 (-8.6 to 9.2)	0.8 (-7.9 to 9.4)	-3.6 (-13.1 to 5.8)†	-2.1 (-10.9 to 6.6)
P value	0.92	0.03	0.28	0.97	0.95	0.86	0.45	0.63
Placebo group vs. débridement group								
Difference between mean scores (95% CI)	-1.1 (-7.8 to 5.6)	15.3 (7.3 to 23.3)	3.2 (-5.0 to 11.3)	0.1 (-8.6 to 8.8)	1.2 (-7.7 to 10.0)	-1.0 (-10.5 to 8.5)	-6.1 (-15.4 to 3.3)†	-2.7 (-11.8 to 6.4)
P value	0.73	<0.001	0.44	0.98	0.80	0.84	0.20	0.56

*Scores were transformed into scores on a scale ranging from 0 to 100, with higher scores indicating less pain. Plus-minus values are means ±SD. CI denotes confidence interval.

†This 95 percent confidence interval includes the minimal important difference.

SCORES ON THE PHYSICAL-FUNCTIONING SUBSCALE OF THE MEDICAL OUTCOMES STUDY 36-ITEM SHORT-FORM GENERAL HEALTH SURVEY.*

VARIABLE	BEFORE PROCEDURE	AFTER PROCEDURE						
		2 WK	6 WK	3 MO	6 MO	1 YR	18 MO	2 YR
Placebo group								
No. with data	60	59	57	56	57	54	52	54
Score	46.8±22.5	50.1±23.4	51.0±24.2	52.4±23.5	48.4±25.9	49.3±24.5	49.1±25.0	49.0±27.2
Lavage group								
No. with data	61	59	57	59	59	57	57	57
Score	44.4±22.8	53.6±23.3	51.2±26.3	52.9±26.7	53.4±27.6	50.0±28.0	47.0±28.8	50.9±27.3
Débridement group								
No. with data	59	59	59	58	55	50	51	52
Score	42.2±22.4	46.9±23.9	49.2±26.5	49.6±24.2	51.0±25.9	47.3±27.1	50.9±26.1	47.9±26.6
Placebo group vs. lavage group								
Difference between mean scores (95% CI)	2.3 (-5.8 to 10.5)	-3.6 (-12.1 to 4.9)†	-0.3 (-9.6 to 9.1)	-0.5 (-9.8 to 8.8)	-5.0 (-14.8 to 4.9)†	-0.6 (-10.5 to 9.3)	2.1 (-8.2 to 12.4)	-1.9 (-12.2 to 8.3)†
P value	0.57	0.41	0.96	0.92	0.32	0.90	0.68	0.71
Placebo group vs. débridement group								
Difference between mean scores (95% CI)	4.6 (-3.6 to 12.7)	3.1 (-5.5 to 11.8)	1.8 (-7.6 to 11.2)	2.8 (-6.0 to 11.7)	-2.6 (-12.3 to 7.1)†	2.0 (-8.0 to 12.1)	-1.7 (-11.7 to 8.3)†	1.1 (-9.3 to 11.5)
P value	0.27	0.47	0.71	0.53	0.60	0.69	0.73	0.83

*Scores were transformed into scores on a scale ranging from 0 to 100, with higher scores indicating better function. Plus-minus values are means ±SD. CI denotes confidence interval.

†This 95 percent confidence interval includes the minimal important difference.