Online supplement to: Psychological and Pain Sensitization Characteristics Are Associated With Patellofemoral Osteoarthritis Symptoms: The Multicenter Osteoarthritis Study. The Journal of Rheumatology. doi:10.3899/jrheum.190981

ONLINE SUPPLEMENTARY MATERIAL

Supplementary Table 1. Relation of PFOA categories (based on PF symptoms and MRI PFOA) with depressive symptoms, pain catastrophizing, and temporal summation (frequency of outcome (%), and odds ratios with 95% confidence intervals[~]).

Depressive symptoms (n=1112^)		Catastrophizing (n=1112^)		TS (patella) (n=1074^)		TS (wrist) (n=1097^)	
	(95% CI)		(95% CI)		(95% CI)		(95% CI)
22/142 (15.5)	2.01 (1.13, 3.56)*	78/142 (54.9)	1.50 (1.03, 2.19)*	63/134 (47)	1.71 (1.15, 2.53)*	57/140 (40.7)	1.27 (0.86, 1.88)
25/177 (14.1)	1.79 (1.04, 3.09)*	102/177 (57.6)	1.79 (1.26, 2.54)*	84/171 (49.1)	1.96 (1.37, 2.80)*	80/174 (46.0)	1.66 (1.16, 2.37)*
10/214 (4.7)	0.62 (0.30, 1.28)	103/214 (48.1)	1.26 (0.91, 1.73)	66/210 (31.4)	0.87 (0.62, 1.23)	70/214 (32.7)	0.87 (0.62, 1.22)
42/579 (7.3)	1	238/579 (41.1)	1	193/559 (34.5)	1	204/569 (35.9)	1
	(n=: Frequency 22/142 (15.5) 25/177 (14.1) 10/214 (4.7)	(n=1112^) Frequency Adjusted OR (95% CI) 22/142 (15.5) 2.01 (1.13, 3.56)* 25/177 (14.1) 1.79 (1.04, 3.09)* 10/214 (4.7) 0.62 (0.30, 1.28)	(n=1112*) (n=21112*) (n=21112*) (n=21112*) (n=21112*) (n=211112*) (n=21112*) (n=211112*) (n=21112*) (n=2112*) (n=2112*) (n=2112*) (n=2112*) (n=2112*) (n=2112*) (n=2112*) (n=2112*) (n	(n=1112^) (n=1112^) Frequency Adjusted OR (95% CI) (95% CI) 22/142 (15.5) 2.01 (1.13, 3.56)* 78/142 (54.9) 1.50 (1.03, 2.19)* 25/177 (14.1) 1.79 (1.04, 3.09)* 102/177 (57.6) 1.79 (1.26, 2.54)* 10/214 (4.7) 0.62 (0.30, 1.28) 103/214 (48.1) 1.26 (0.91, 1.73)	(n=1112^) (n=1112^) (n=1112^) (n=1112^) Frequency Adjusted OR Frequency Adjusted OR Frequency (95% CI) (95% CI) (95% CI) (95% CI) 22/142 (15.5) 2.01 (1.13, 3.56)* 78/142 (54.9) 1.50 (1.03, 2.19)* 63/134 (47) 25/177 (14.1) 1.79 (1.04, 3.09)* 102/177 (57.6) 1.79 (1.26, 2.54)* 84/171 (49.1) 10/214 (4.7) 0.62 (0.30, 1.28) 103/214 (48.1) 1.26 (0.91, 1.73) 66/210 (31.4)	(n=1112*) (n=1074*) Frequency Adjusted OR Frequency Adjusted OR Frequency Adjusted OR (95% CI) (95% CI) (95% CI) (95% CI) 22/142 (15.5) 2.01 (1.13, 3.56)* 78/142 (54.9) 1.50 (1.03, 2.19)* 63/134 (47) 1.71 (1.15, 2.53)* 25/177 (14.1) 1.79 (1.04, 3.09)* 102/177 (57.6) 1.79 (1.26, 2.54)* 84/171 (49.1) 1.96 (1.37, 2.80)* 10/214 (4.7) 0.62 (0.30, 1.28) 103/214 (48.1) 1.26 (0.91, 1.73) 66/210 (31.4) 0.87 (0.62, 1.23)	(n=1112*) (n=1112*) (n=1074*) (n=2074*) Frequency Adjusted OR Frequency Adjusted OR Frequency (95% CI) (95% CI) (95% CI) (95% CI) 22/142 (15.5) 2.01 (1.13, 3.56)* 78/142 (54.9) 1.50 (1.03, 2.19)* 63/134 (47) 1.71 (1.15, 2.53)* 57/140 (40.7) 25/177 (14.1) 1.79 (1.04, 3.09)* 102/177 (57.6) 1.79 (1.26, 2.54)* 84/171 (49.1) 1.96 (1.37, 2.80)* 80/174 (46.0) 10/214 (4.7) 0.62 (0.30, 1.28) 103/214 (48.1) 1.26 (0.91, 1.73) 66/210 (31.4) 0.87 (0.62, 1.23) 70/214 (32.7)

Reference group: no PFOA (no PF symptoms or MRI PFOA). * indicates significant effect (p<0.05).

TS, temporal summation; TF, tibiofemoral

Adjusted for age, sex, body mass index, presence of tibiofemoral full thickness cartilage lesions, and presence of tibiofemoral bone marrow lesions

[^]Total number of observations used for each analysis, based on missing values for outcome

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Supplementary Table 2. Mean (95% confidence intervals) pressure pain threshold measures at the patella and wrist for each PFOA classification (kg/cm²), split by sex.

	М	ales	Females		
	Patella	Wrist	Patella	Wrist	
	(n=382^)	(n=391^)	(n=680^)	(n=689^)	
PF symptoms + MRI PFOA	5.87 (4.98 to 6.77)	3.82 (3.23 to 4.42)	4.27 (3.92 to 4.63)	2.89 (2.68 to 3.1)	
PF symptoms only (no MRI PFOA)	4.71 (4.02 to 5.4)	3.26 (2.78 to 3.74)	4.55 (4.22 to 4.88)	3.13 (2.93 to 3.32)	
MRI PFOA only (no PF symptoms)	6.03 (5.54 to 6.52)	3.63 (3.3 to 3.96)	4.86 (4.53 to 5.19)	3.27 (3.07 to 3.47)	
No PFOA#	6.08 (5.78 to 6.37)	3.97 (3.77 to 4.17)	4.54 (4.34 to 4.75)	3 (2.88 to 3.12)	
P value	0.002*	0.076	0.005*	0.075	

[#] no PF symptoms or MRI PFOA. * indicates significant effect (p<0.05).

Adjusted for age, body mass index, presence of tibiofemoral full thickness cartilage lesions, and presence of tibiofemoral bone marrow lesions

[^]Total number of observations used for each analysis, based on missing values for outcome