Emotion Processing in Peripheral Neuropathic Pain: An Observational Study

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Table S1. Summary of motor and sensitive nerve conduction studies (NCS) results.

	MCV (m/s)		SCV (m/s)		CMAP amplitude (mV)		SAP amplitude (mV)		Latency (ms)	
	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left
					Median					
All patients	52.7 ± 4.7^b	52.9 ± 5.2^b	47.8 ± 8.8^a	47.8 ± 9.3^a	9.2 ± 4.1	8.8 ± 4.9	24.7 ± 16.6^a	28.6 ± 20.4^a	4.2 ± 1.1^a	4 ± 1^a
TAS-20 ≥ 52	52.6 ± 4.6^b	51.2 ± 5.9^b	47.8 ± 9.5^b	47.3 ± 10.5^a	9.3 ± 4.4	7.1 ± 5.1	21.2 ± 14.2^b	19.6 ± 15.4^a	4.1 ± 1.1^a	4.2 ± 1.1^a
TAS-20 < 52	52.8 ± 4.9^b	54.1 ± 4.4^b	47.8 ± 8.5^a	48.3 ± 8.6^a	9.0 ± 4.1	10.2 ± 4.3	27.1 ± 17.8^b	35.1 ± 22.9^b	4.3 ± 1.1^a	3.9 ± 1.0^a
Healthy controls	57.9 ± 6.3	59.6 ± 5	59.7 ± 7.8	62.2 ± 7.6	9.6 ± 4	10.4 ± 5.9	49.7 ± 21.2	57.6 ± 21.9	3.2 ± 0.3	3.1 ± 0.4
					Ulnar					
All patients	58.6 ± 6.9	59.2 ± 7	56.7 ± 7.2	56.9 ± 7.7	8.1 ± 3.1	7 ± 3.4	28.9 ± 16.8^a	32.1 ± 18.6^b	2.6 ± 0.5	2.7 ± 0.6
TAS-20 ≥ 52	58.4 ± 6.8	60.0 ± 5.2	56.5 ± 5.8	54.9 ± 6.6	8.3 ± 4.0	6.4 ± 4.3	22.8 ± 12.9^b	23.2 ± 15.4^b	2.8 ± 0.6	2.7 ± 0.5
TAS-20 < 52	58.8 ± 7.2	58.8 ± 8.2	56.8 ± 8.0	58.4 ± 8.1	7.8 ± 2.8	7.5 ± 2.6	$32.8 \pm 18.0^{b,d}$	$38.9 \pm 18.2^{c,d}$	2.5 ± 0.3	2.7 ± 0.7
Healthy controls	59 ± 6.5	58 ± 6.2	$58,5 \pm 6.8$	58.3 ± 6.8	9.9 ± 4.1	7.4 ± 3.8	52.4 ± 22.3	52 ± 22.8	2.7 ± 0.3	3 ± 0.5

CMAP = Compound Muscle Action Potential; m = meters; MCV = Motor Conduction Velocity; ms = milliseconds; mV = millivolts; s = seconds; SAP = Sensor Action Potential; SCV = Sensor Conduction Velocity. [a] $p < 0.0001$ versus healthy controls; [b] $p < 0.01$ versus healthy controls; [c] $p < 0.05$ versus healthy controls; [d] $p < 0.05$ versus non-alexithymic patients.

Table S2. Summary of CDT, HPT and VDT (log and ln transformed data) at different sites in moderate-high and non-alexithymic patients.

		All patients	Moderate-High Alexithymia	No-alexithymia	Healthy controls
CDT					
Dorsum	R	1.482 ± 0.056	1.488 ± 0.024	1.478 ± 0.070	1.500 ± 0.003
	L	1.303 ± 0.633^a	1.232 ± 0.765^a	1.363 ± 0.52^a	1.500 ± 0.002
Index	R	1.470 ± 0.051^a	1.459 ± 0.054^a	1.477 ± 0.049	1.493 ± 0.013
	L	1.297 ± 0.656^a	$1.244 \pm 0.727^{a,c}$	1.334 ± 0.612	1.496 ± 0.003
Little finger	R	1.467 ± 0.051	1.473 ± 0.026	1.464 ± 0.061	1.483 ± 0.020
	L	1.196 ± 0.768^a	1.076 ± 0.924^a	1.277 ± 0.646^a	1.487 ± 0.018
HPT					
Dorsum	R	1.634 ± 0.041	1.640 ± 0.037	1.630 ± 0.044	1.639 ± 0.040
	L	1.632 ± 0.042	1.646 ± 0.040	1.621 ± 0.041	1.640 ± 0.637
Index	R	1.660 ± 0.034	1.608 ± 0.028	1.652 ± 0.036	1.652 ± 0.032
	L	1.635 ± 0.128	1.652 ± 0.029	1.617 ± 0.162	1.649 ± 0.034
Little finger	R	1.653 ± 0.034	1.657 ± 0.033	1.650 ± 0.034	1.658 ± 0.035
	L	1.654 ± 0.037	1.668 ± 0.023	1.649 ± 0.036	1.661 ± 0.034
VDT					

Index	R	-0.241 ± 0.942 [a]	-0.087 ± 0.950 [a]	-0.348 ± 0.934 [b]	-0.848 ± 0.805
	L	-0.109 ± 1.665 [a]	0.808 ± 1.887 [a, c]	-0.761 ± 0.94 [a]	-1.003 ± 0.773
Little finger	R	-0.194 ± 0.918 [a]	-0.153 ± 0.990 [a]	-0.319 ± 0.864	-0.876 ± 0.824
	L	-0.040 ± 1.481 [a]	0.406 ± 1.965 [a]	-0.357 ± 0.918 [a]	-0.953 ± 0.859

CDT = Cold Pain Threshold; HPT = Heat Pain Threshold; L = Left; R = Right; VDT = Vibration Detection Threshold. [a] p < 0.01 vs healthy controls; [b] p < 0.05 vs healthy controls; [c] p < 0.01 vs non-alexithymic patients.