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- 1 **Supplemental Table 1.** Result of quantitative sensory testing on the tibialis anterior
 2 muscle and sternum in symptomatic and asymptomatic patients with permanent atrial
 3 fibrillation

	Symptomatic (n=15) Mean (SD)	Asymptomatic (n=15) Mean (SD)
Pressure pain thresholds – kPa		
Tibialis anterior muscle baseline	445 (181)	656 (244)
Tibialis anterior muscle after CPT	431 (199)	753 (307)
Tibialis anterior muscle 10 min after CPT	405 (202)	676 (312)
Sternum baseline	319 (104)	460 (169)
Sternum during CPT	348 (141)	526 (198)
Sternum 10 min after CPT	369 (171)	543 (240)
Temporal summation of pressure pain – VAS		
Tibialis anterior muscle	3.1 (1.6)	1.5 (1.6)
Sternum	4.3 (2.2)	3.1 (2.1)
Conditioning pain modulation		
Tibialis anterior muscle	-13 (137)	96 (156)
Sternum	29 (81)	66 (98)

4 CPT = cold pressor test; VAS = visual analogue scale.

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- 6 **Supplemental Table 2.** Relationship of baseline variables with pain sensitisation in
 7 symptomatic and asymptomatic patients (n=30) with permanent atrial fibrillation

	Correlation coefficient	P
PPT baseline tibialis anterior		
muscle		
Age	-0.18	0.33
Male	0.42	0.02
BMI	-0.12	0.5
AF duration	-0.33	0.08
AF6 sum score	-0.50	0.005
Physical component summary scores	0.52	0.003
Mental component summary scores	0.17	0.4
PPT baseline sternum		
Age	-0.10	0.6
Male	0.28	0.1
BMI	-0.17	0.4
AF duration	-0.24	0.2
AF6 sum score	-0.42	0.02
Physical component summary scores	0.40	0.03
Mental component summary scores	0.33	0.08
TSP tibialis anterior muscle		

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Age	-0.14	0.5
Male sex	0.14	0.4
BMI	0.18	0.35
AF duration	-0.27	0.2
AF6 sum score	0.57	0.001
Physical component summary scores	-0.53	0.003
Mental component summary scores	-0.42	0.02
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TSP sternum		
Age	-0.16	0.4
Male	0.16	0.4
BMI	0.15	0.4
AF duration	-0.36	0.05
AF6 sum score	0.45	0.01
Physical component summary scores	-0.26	0.2
Mental component summary scores	-0.32	0.08
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CPM tibialis anterior muscle		
Age	0.16	0.4
Male	0.29	0.1
BMI	-0.075	0.7
AF duration	-0.045	0.8
AF6 sum score	-0.36	0.05

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Physical component summary scores	0.25	0.2
Mental component summary scores	0.40	0.03
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CPM sternum		
Age	0.21	0.3
Male	0.49	0.006
BMI	0.054	0.8
AF duration	-0.28	0.1
AF6 sum score	-0.25	0.2
Physical component summary scores	0.33	0.2
Mental component summary scores	0.14	0.5

8 Correlational analyses using Pearson's product-moment or Spearman's rank
 9 correlation where appropriate. AF6 = Atrial fibrillation 6 questionnaire; CPM =
 10 Conditioned pain modulation; PPT = Pressure pain threshold; TSP = Temporal
 11 summation of pressure pain.

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