**Table 1S**: Sensory disturbances mean (SD) in each experimental condition and comparison between the left and right arm. For the left *vs*. right, the Congruent and the Incongruent VF conditions were averaged together. For the Congruent *vs.* Incongruent, the left and right arms were averaged together. P-value indicates the result from a dependant t-test.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | HV  (n=32) | CRPS  (n=38) | FM  (n=36) | Arthritis  (n=34) |
| Left arm *vs.*  right arm | Left arm | 0.24 (0.27) | 1.31 (0.96) | 1.30 (0.76) | 0.61 (0.55) |
| Right arm | 0.28 (0.24) | 1.30 (0.96) | 1.36 (0.78) | 0.59 (0.58) |
| t-test and p-value | t(31)=1.08 p=0.28 | t(37)=0.08 p=0.93 | t(35)=0.63 p=0.52 | t(33)=0.24 p=0.81 |
| Congruent VF *vs*. Incongruent VF | Congruent VF | 0.06 (0.16) | 0.58 (0.79) | 0.73 (0.58) | 0.21 (0.26) |
| Incongruent VF | 0.48 (0.50) | 1.99 (0.98) | 1.93 (0.99) | 0.99 (0.85) |
| HV: healthy volunteers, CRPS: complex regional pain syndrome, FM: fibromyalgia | | | | | |



**Fig. 1S**: Sensory disturbances for each participant (all groups) according to the Visual Feedback (VF) conditions and the two Subgroups of sensations (A: Subgroup 1 and B: Subgroup 2 sensations).