

SUPPLEMENTARY MATERIAL

A. Cluster maps from second-level analysis of SBC and MVPA

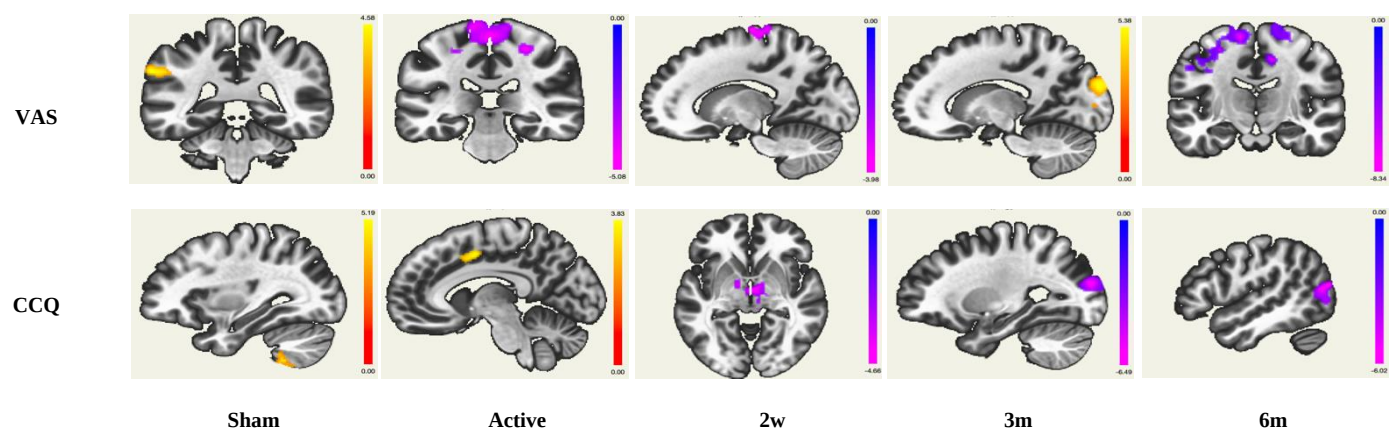


Figure S1. Cluster Maps for the largest significant cluster, resulted from second-level analysis of SBC.

Maps created using CONN toolbox¹ (release 20b², conn-toolbox.org)

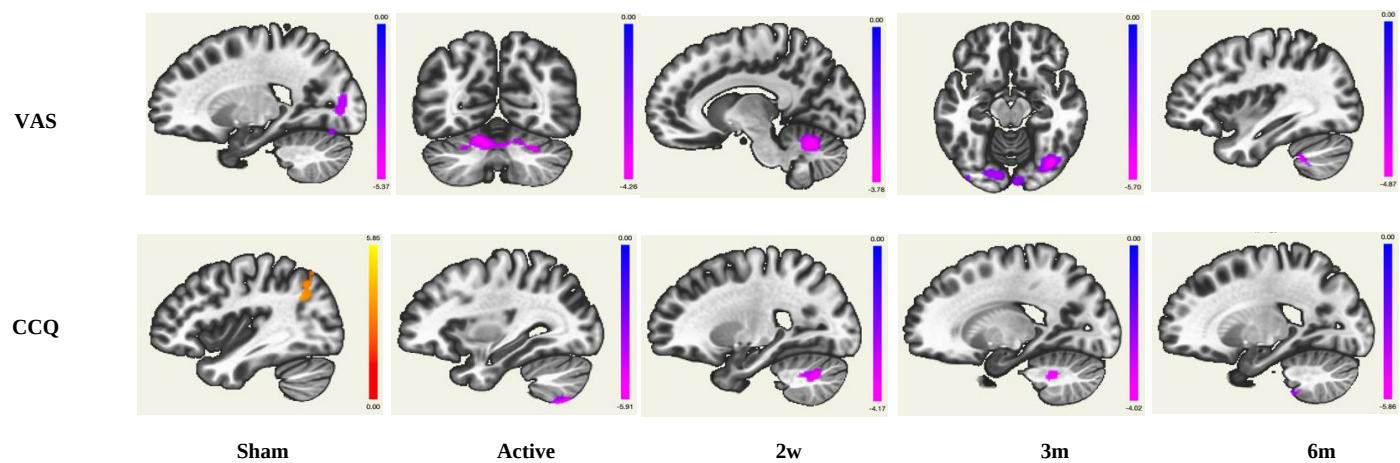


Figure S2. Cluster Maps for the largest significant cluster, resulted from second-level analysis of MVPA.

Maps created using CONN toolbox¹ (release 20b², conn-toolbox.org)

B. Prediction models using only “baseline” craving scores

Table S1. Prediction models for changes in VAS scores using “baseline” VAS scores.

Time Point	2 Weeks	3 Months	6 Months
Adj. R ²	0.58	0.95	0.44
MAE	0.95	0.39	3.06

Table S2. Prediction models for changes in CCQ-N scores using “baseline” CCQ_N scores.

Time Point	2 Weeks	3 Months	6 Months
Adj. R ²	0.27	0.61	0.43
MAE	24.6 3	24.01	27.36

C. Prediction using “baseline” functional connectivity

Table S3. Prediction models for changes in VAS scores using “baseline” connectivity values.

Time Point	2 Weeks	3 Months	6 Months
Predictor from baseline connectivity values	Combined (Baseline score + ACC_SBC + MVPA)	Combined (Baseline score + ACC_SBC + MVPA)	Combined (Baseline score + ACC_SBC + MVPA)
Adj. R ²	0.72	0.96	0.54
MAE	0.94	0.45	2.32

Table S4. Prediction models for changes in CCQ-N scores using “baseline” connectivity values.

Time Point	2 Weeks	3 Months	6 Months
Predictor from baseline connectivities:	Combined (Baseline score + DLPFC_SBC + MVPA)	Combined (Baseline score + DLPFC_SBC + MVPA)	Combined (Baseline score + DLPFC_SBC + MVPA)
Adj. R ²	0.49	0.78	0.67
MAE	20.94	16.66	16.77

1. Whitfield-Gabrieli, S. & Nieto-Castanon, A. Conn: A Functional Connectivity Toolbox for Correlated and Anticorrelated Brain Networks. *Brain Connect* 2, 125–141 (2012).
2. Nieto-Castanon, A. & Whitfield-Gabrieli, S. CONN functional connectivity toolbox: RRID SCR_009550, release 20. Preprint at <https://doi.org/doi:10.56441/hilbertpress.2048.3738>. (2020).