

Supplemental table 1. Demographic and clinical characteristics of the sample with complete pre- and post-treatment data (t1 & t2 sample; n = 42). Means (SD) except where noted.

	All patients (n = 42)	Responder (n = 24)	Non-responder (n = 18)	Chi ² or t (df)	p
<i>Demographic characteristics</i>					
Female gender [n(%)]	29 (69.05)	17 (70.83)	12 (66.67)	0.084 (1)	0.773
Years of education					
8	4 (9.52)	1 (4.17)	3 (16.67)		
10	18 (42.86)	11 (45.83)	7 (38.89)		
12-13	20 (47.62)	12 (50.00)	8 (44.45)	1.870 (2)	0.393
Age (years)	34.83 (10.15)	33.17 (11.24)	37.06 (8.28)	1.292 (40)	0.204
<i>Clinical characteristics at baseline</i>					
Therapist-guided CBT arm [n (%)]	22 (52.38)	11 (45.83)	11 (61.11)	0.963 (1)	0.327
Comorbid depression [n (%)] ¹	15 (35.71)	8 (33.33)	7 (38.88)	0.138 (1)	0.710
Number of diagnoses	2.50 (1.35)	2.38 (1.31)	2.67 (1.41)	0.689 (40)	0.495
CGI	5.36 (0.62)	5.38 (0.65)	5.33 (0.59)	-0.214 (40)	0.832
SIGH-A total	24.38 (5.41)	24.17 (5.51)	24.67 (5.41)	0.293 (40)	0.771
PAS total	25.97 (8.69)	21.62 (7.74)	31.78 (6.22)	4.565 (40)	< 0.001
ASI total	31.10 (9.37)	32.88 (8.31)	28.72 (10.39)	-1.440 (40)	0.158
BDI II total	17.26 (9.28)	17.42 (10.14)	17.06 (8.28)	-0.123 (40)	0.903
<i>Clinical characteristics at post</i>					
CGI	3.55 (1.04)	3.17 (1.09)	4.06 (0.73)	2.993 (40)	0.005
SIGH-A total	12.36 (6.90)	7.88 (3.53)	18.33 (5.65)	6.910 (27)	< 0.001
PAS total	13.95 (8.57)	9.03 (5.54)	20.52 (7.47)	5.731 (40)	< 0.001
ASI total	15.48 (8.60)	13.42 (7.92)	18.22 (8.92)	1.843 (40)	0.073
BDI II total	9.05 (7.69)	6.33 (5.75)	12.67 (8.58)	2.863 (40)	0.007
<i>Neuropsychological characteristics</i>					

Digit span forward task	7.81	(1.98)	8.13	(1.90)	7.39	(2.06)	-1.200 (40)	0.237
Digit span backward task	7.26	(1.95)	7.54	(2.08)	6.89	(1.75)	-1.075 (40)	0.289
TMT-A (sec)	25.60	(8.38)	25.44	(8.68)	25.82	(8.21)	0.145 (40)	0.885
TMT-B (sec)	55.40	(16.14)	53.63	(14.84)	57.76	(17.89)	0.817 (40)	0.419

CGI: Clinical Global Impression Scale; SIGH-A: Hamilton Anxiety Scale; PAS: Panic and Agoraphobia Scale; ASI: Anxiety Sensitivity Index;
BDI II: Beck Depression Inventory II; TMT-A: Trail Making Test A; TMT-B: Trail Making Test B

¹depressive disorders encompassing major depression and dysthymia

Supplemental table 2. Brain activation clusters during fear conditioning and extinction characterizing treatment response at baseline (t1) in the refined sample of n = 42 patients for which complete pre- and post-treatment data were available (t1 & t2 sample).

Contrast/Region	Side	Voxels	x	y	z	t	p uncorr.
Differences at baseline (t1)							
Extinction phase							
R (CS+>CS-) > NR (CS+>CS-)							
Middle temporal gyrus	L	702	-46	-46	10	4.06	< 0.001
Pre-/postcentral gyrus	R	732	60	-10	42	3.91	<0.001
Anterior cingulate gyrus ¹	R	166	22	42	0	3.56	<0.001
Hippocampus (ROI analysis)	R	6	40	-14	-14	3.23	0.044 [§]
Amygdala (ROI analysis)	R	2	30	4	-26	2.82	0.042 [§]
NR (CS+>CS-) > R (CS+>CS-)							No differential activation

R: responders; NR: non-responders; L: left; R: right; CS+: stimulus associated with the unconditioned stimulus (unpaired); CS-: CS not associated with the unconditioned stimulus; voxel: number of voxels per cluster; x, y, z: MNI coordinates; p < 0.005 (uncorr.) with a minimum cluster size of 142 contiguous voxels, indicating to correct for multiple comparisons at p < 0.05. Region-of-Interest (ROI) analysis on the amygdala and hippocampus: p < 0.05, FWE corr.

¹Cluster encompassing the anterior cingulate, medial and superior orbitofrontal gyrus, and middle, superior and superior medial frontal gyrus with the peak voxel deviating 2.83 mm from the anterior cingulate gyrus.

[§] FWE corrected p value