

Supplemental Table 1

BOLD Responses for Look Harsh Faces versus Neutral Scenes in SAD

Brain Regions	BA	x y z	Percent Change	Vol (mm ³)	t-value
<u>Harsh > Neutral</u>					
<u>Frontal Lobes</u>					
R Middle Frontal Gyrus	9, 10	41 49 29	.17	1829	4.41
Medial PFC	10	0 59 26	.14	610	3.63
R Inferior Frontal Gyrus	9	34 14 25	.07	244	4.52
<u>Occipital Lobes</u>					
R Inferior Occipital Gyrus	18, 19	45 -82 -6	.33	3820	9.40
L Inferior Occipital Gyrus	19	-41 -75 -16	.41	1341	4.12
R Middle Occipital Gyrus	18, 19	55 -72 1	.23	203	3.07
<u>Parietal Lobes</u>					
Posterior Cingulate Gyrus	23, 31	0 -20 29	.12	650	5.24
Posterior Cingulate / Precuneus	31, 7	0 -57 28	.17	488	3.90
R Inferior Parietal Lobule	40	41 -51 39	.06	244	3.46
<u>Temporal Lobes</u>					
L Fusiform Gyrus	37	-41 -48 -16	.22	1148	4.24
R Middle Temporal Gyrus	37	48 -61 8	.10	284	4.58
<u>Subcortical</u>					
L Dorsal/extended Amygdala		-17 -3 -9	.13	163	5.17
R Dorsal/extended Amygdala		17 -9 -9	.10	244	4.50
Culmen Cerebellum		-3 -44 -6	.05	528	4.17
<u>Neutral > Harsh</u>					
<u>Occipital Lobes</u>					
L Superior Occipital Gyrus	19	-34 -89 29	.28	1138	4.22
L Precuneus	19	-17 -86 43	.27	1016	2.22
L Cuneus	19	-21 -86 29	.07	406	4.29
L Cuneus	7	-21 -72 32	.07	203	4.22
L Cuneus	19	-31 -92 32	.26	163	4.31
<u>Parietal Lobes</u>					
R Posterior Cingulate Gyrus	30	14 -55 15	.15	325	4.70
R Posterior Cingulate Gyrus	31	7 -31 39	.06	163	4.86
<u>Temporal Lobes</u>					
L Parahippocampal Gyrus	36	-24 -41 -9	.33	6421	4.85
R Parahippocampal Gyrus	35	28 -24 -16	.18	650	4.42

Note. BA=Brodmann Area, PFC=prefrontal cortex, L=left, R=right

Supplemental Table 2

BOLD Responses for Look Harsh Faces versus Neutral Scenes in HC

Brain Regions	BA	x y z	Percent Change	Vol (mm ³)	t-value
<u>Harsh > Neutral</u>					
<u>Occipital Lobes</u>					
R Middle Occipital Gyrus	19	45 -72 -9	.48	2682	5.03
L Inferior Occipital Gyrus	18, 19	-45 -82 -6	.26	447	6.39
<u>Parietal Lobes</u>					
Posterior Cingulate Cortex	23	0 -27 26	.21	2235	5.03
R Inferior Parietal Lobule	40	48 -55 39	.11	772	5.29
R Supramarginal Gyrus	40	58 -61 32	.16	569	5.34
L Inferior Parietal Lobule	40	-45 -41 53	.07	163	4.77
<u>Subcortical</u>					
Left Lentiform Nucleus/Putamen		-14 4 8	.04	203	4.55
L Dorsal/extended Amygdala		-17 -4 -9	.10	81	4.77
R Dorsal/extended Amygdala		18 -3 -9	.14	122	5.03
<u>Neutral > Harsh</u>					
<u>Occipital Lobes</u>					
L Precuneus	19	-17 -82 46	.31	19396	4.80
<u>Parietal Lobes</u>					
R Superior Parietal Lobule	7	24 -65 50	.10	284	3.45
<u>Temporal Lobes</u>					
L Middle Temporal Gyrus	37	-55 -51 -9	.13	569	4.06
L Parahippocampal Gyrus	37	-23 -39 -10	.31	800	8.01
R Parahippocampal Gyrus	36	21 -44 -9	.34	16336	6.06

Note. BA=Brodmann Area, L=left, R=right

Supplemental Table 3

BOLD Responses for Look Violent versus Neutral Scenes in SAD

Brain Regions	BA	x y z	% Signal Change	Vol (mm ³)	t-value
<u>Violent > Neutral</u>					
<u>Frontal Lobes</u>					
R Dorsolateral PFC	9	38 11 29	.20	1219	4.17
Medial PFC	9	0 52 29	.12	203	4.20
R Dorsolateral PFC	9	41 25 26	.10	463	4.21
<u>Occipital Lobes</u>					
L Middle Occipital Gyrus	19	-55 -75 -2	.72	17555	4.23
R Middle Occipital Gyrus	19	48 -72 -2	.59	14792	5.24
R Lingual Gyrus	18	14 -79 -6	.12	691	5.27
R Cuneus	19	24 -86 32	.18	244	4.62
L Cuneus	19	-28 -79 29	.15	203	4.78
L Lingual Gyrus	18	-17 -79 -12	.14	163	4.37
<u>Parietal Lobes</u>					
Posterior	31	0 -54 29	.21	1504	5.45
Cingulate/Precuneus					
L Superior Parietal Lobule	7	-34 -48 67	.20	163	5.04
<u>Temporal Lobes</u>					
L Fusiform Gyrus	37	-41 -41 -19	.32	610	5.21
R Fusiform Gyrus	37	38 -44 -12	.35	366	4.54
R Middle Temporal Gyrus	21	52 -6 -12	.09	244	5.43
<u>Subcortical</u>					
L Dorsal/extended Amygdala		-20 -4 -9	.10	163	3.85
R Thalamus		14 -27 1	.13	447	5.44
L Thalamus		-17 -27 1	.11	244	4.84
<u>Neutral > Violent</u>					
<u>Frontal Lobes</u>					
R Insula	13	41 -6 5	.11	447	5.14
R Insula	13	34 -10 19	.08	325	4.24
R Insula	13	41 -27 19	.09	284	4.22
R Insula	13	34 1 12	.07	244	4.50
<u>Temporal Lobes</u>					
L Superior Temporal Gyrus	22	-58 -10 12	.16	1666	5.74
L Superior Temporal Gyrus	42	-65 -20 12	.12	244	4.95
L Parahippocampal Gyrus	37	-28 -43 -8	.08	163	3.71

Note. BA=Brodmann Area, L=left, PFC=prefrontal cortex, R=right

Supplemental Table 4

BOLD Responses to Look Violent versus Neutral Scenes in HC

Brain Regions	BA	x y z	% Signal Change	Vol (mm ³)	t-value
<u>Violent > Neutral</u>					
<u>Frontal Lobes</u>					
Medial PFC	9	3 52 22	.13	244	4.77
Dorsomedial PFC	8	3 25 43	.14	163	5.05
Dorsomedial PFC	6, 8	3 14 53	.15	488	4.71
R Dorsolateral PFC	9	45 18 29	.19	3576	7.51
R Dorsolateral PFC	9, 46	55 25 29	.19	203	5.41
L Middle Frontal Gyrus	6	-31 -3 46	.08	203	5.17
R Anterior Insula	13	31 25 1	.09	569	6.33
L Anterior Insula	13	-31 28 5	.11	447	5.84
<u>Occipital Lobes</u>					
R Middle Occipital Gyrus,	19	48 -72 -9	.88	25,886	5.13
Fusiform Gyrus	37	39 -48 -16	.33		
L Middle Occipital Gyrus,	19	-45 -79 -6	.61	23,163	3.99
Fusiform Gyrus	37	-40 -45 -11	.26		
L Lingual Gyrus	18	-14 -99 -2	.19	163	4.16
R Cuneus	19	28 -82 26	.10	163	5.19
<u>Parietal Lobes</u>					
Posterior Cingulate Gyrus	23, 31	0 -48 22	.21	731	4.74
Left Superior Parietal Lobule	7	-28 -68 60	.24	569	4.64
Left Superior Parietal Lobule	7	-38 -44 63	.23	2641	4.76
Precuneus					
<u>Temporal Lobes</u>					
R Superior Temporal Gyrus	38	41 21 -19	.13	284	5.09
R Middle Temporal Gyrus	21	52 4 -16	.10	163	5.37
<u>Subcortical</u>					
Red Nucleus/Thalamus		0 -27 5	.19	2804	4.05
R Thalamus		14 -24 1	.10	447	4.23
L Dorsal/extended Amygdala		-20 -3 -9	.09	122	4.50
R Dorsal/extended Amygdala		17 -1 -9	.11	122	4.37
<u>Neutral > Violent</u>					
<u>Frontal Lobes</u>					
L Insula	13	-34 4 15	.09	2032	5.37
L Posterior Insula	13	-38 -27 19	.09	488	4.65
L Posterior Insula	13	-38 -17 12	.10	244	5.33
Supplementary Motor Area	6	-10 -17 60	.04	203	4.30
L Posterior Insula	13	-41 -34 19	.10	163	5.25
<u>Parietal Lobes</u>					
R Postcentral Gyrus	3	52 -10 43	.11	325	4.88
<u>Temporal Lobes</u>					

R Superior Temporal Gyrus	22	58 11 1	.36	15320	4.75
L Superior Temporal Gyrus	42	-65 -13 12	.20	4307	5.27
L Hippocampus		-31 -37 -2	.06	284	4.24
L Superior Temporal Gyrus	22	-45 -10 1	.08	244	3.69
L Inferior Temporal Gyrus	20	-58 -51 -12	.13	203	3.84

Note. BA=Brodmann Area, L=left, PFC=prefrontal cortex, R=right

Supplemental Table 5

BOLD Responses for Regulate versus Look Harsh Faces in SAD

Brain Regions	BA	x y z	Percent Change	Vol (mm ³)	t-value
<u>Regulate > Look</u>					
<u>Frontal Lobes</u>					
L Inferior Frontal Gyrus	47	-55 31 1	.13	406	4.94
R Inferior Frontal Gyrus	45, 47	55 28 1	.08	203	5.77
Dorsomedial PFC	6	7 14 63	.07	163	3.82
<u>Parietal Lobes</u>					
L Supramarginal Gyrus	39	-55 -58 36	.13	2641	5.11
L Precuneus	7	-7 -65 39	.07	650	3.52
R Supramarginal Gyrus	40	58 -51 26	.09	569	3.98
L Inferior Parietal Lobule	40, 39	-52 -61 46	.09	284	3.62
<u>Temporal Lobes</u>					
L Superior Temporal Gyrus	21	-58 -31 1	.07	1341	3.83
R Middle Temporal Gyrus	21, 22	52 -27 -2	.10	488	3.47
R Superior Temporal Gyrus	22	62 -41 5	.10	203	4.11
<u>Subcortical</u>					
L Lentiform, Putamen		-17 4 -6	.08	528	4.13
<u>Look > Regulate</u>					
<u>Frontal Lobes</u>					
R posterior Insula	13	34 -20 8	.04	203	3.81
L Insula	13	-41 1 -6	.06	163	3.34
<u>Parietal Lobes</u>					
R Superior Parietal Lobule	7	21 -65 56	.10	2560	4.44
R Postcentral Gyrus	2, 3	45 -27 53	.08	853	4.24
L Inferior Parietal Lobule	40	-38 -41 50	.06	650	4.11
R Postcentral Gyrus	5	31 -44 60	.05	366	3.52
R Postcentral Gyrus	7	14 -48 63	.05	366	3.74
L Postcentral Gyrus	2	-48 -31 56	.11	203	4.44
R Postcentral Gyrus	1	48 -31 60	.07	203	3.66
<u>Temporal Lobes</u>					
L Transverse Temporal Gyrus	42	-58 -13 12	.08	1016	3.82
R posterior Middle Temporal Gyrus	19, 39	55 -72 15	.11	488	5.21
L Inferior Temporal Gyrus	37	-48 -65 -2	.05	163	3.60

Note. BA=Brodmann Area, L=left, R=right

Supplemental Table 6

BOLD Responses for Regulate versus Look Harsh Faces in HC

Brain Regions	BA	x y z	Percent Change	Vol (mm ³)	t-value
<u>Regulate > Look</u>					
<u>Frontal Lobes</u>					
Dorsomedial PFC	6	7 7 60	.15	203	4.28
Dorsomedial PFC	6	-3 4 70	.22	1097	2.11
L Middle Frontal Gyrus	6, 8	-48 11 50	.12	1829	3.56
L Middle Frontal Gyrus	8	-34 -25 39	.15	244	4.55
L Inferior Frontal Gyrus	45, 47	-55 18 1	.16	284	3.99
L Inferior Frontal Gyrus	44	-52 -14 12	.07	244	3.14
L dorsal ACC	32	-9 14 36	.14	163	3.32
R Precentral Gyrus	6	48 -3 46	.07	203	3.38
L Precentral Gyrus	4	-52 -6 50	.10	731	3.74
<u>Parietal Lobes</u>					
L Supramarginal Gyrus	40	-62 -55 36	.13	6055	3.26
L Inferior Parietal Lobule	40	-62 -44 43	.14	284	3.59
<u>Temporal Lobes</u>					
L Superior Temporal Gyrus	21, 22	-58 -34 1	.11	1463	3.88
R Superior Temporal Gyrus	21, 22	45 -31 1	.16	894	3.78
L Superior Temporal Gyrus	38	-55 21 -16	.10	366	3.29
<u>Subcortical</u>					
R Culmen (Cerebellum)		41 -55 -19	.14	325	3.39
<u>Look > Regulate</u>					
No Clusters					

Note: ACC=anterior cingulate cortex, L=left, PFC=prefrontal cortex, R=right