

**TABLE 1. Summary of SPM Results: Voxel-Level Gray Matter Activations and Deactivations from Pre- to Post-EMDR (N = 6)**

Brain Region	Talairach Coordinates (x, y, z)	Valence	<i>t</i> -value
Occipital lobe			
Right lingual gyrus (BA 18)	18, −80, −12	Deactivation	13.84*
Left cuneus/precuneus	0, −74, 30	Deactivation	6.68*
Sub-lobar thalamus			
Right pulvinar	22, −28, 10	Deactivation	13.14*
Frontal lobe			
Right precentral gyrus (BA 4)	52, −12, 42	Deactivation	10.23*
Left middle frontal gyrus (BA 11)	−44, 36, −12	Activation	6.81*
Left inferior frontal gyrus (BA 44)	−48, 48, 0	Activation	7.92*
Left superior frontal gyrus (BA 8)	−24, 42, 42	Activation	9.55*
Left medial ventral frontal gyrus (BA 9)	−18, 36, 20	Activation	5.77**
Parietal lobe			
Left postcentral gyrus (BA 40)	−52, −28, 50	Deactivation	7.68*

\*Significant at  $p = <0.001$ , uncorrected for multiple comparisons  
 \*\* Significant at  $p = <0.005$ , uncorrected for multiple comparisons  
 SPM = statistical parametric mapping  
 BA = Brodmann’s area