

**Supplementary Table I. Effect sizes and observed power for select regions of interest**

Brain Region	Talairach coordinates x/y/z	Size (3 mm <sup>3</sup> voxels)	Contrast	Effect Size ( $\eta_p^2$ )	Observed power
<b>Subcortical areas</b>					
Thalamus	-11/-15/11	43	anxiety vs neutral ( <i>across groups</i> )	0.63	0.98
			parametric ( <i>across groups</i> )	<b>0.63</b>	<b>0.98</b>
Amygdala	-19/-5/-10	18	anxiety vs neutral ( <i>across groups</i> )	0.30	0.51
			parametric ( <i>across groups</i> )	<b>0.73</b>	<b>0.99</b>
<b>Medial/temporal areas</b>					
Mid Insula	41/5/6	44	anxiety vs neutral ( <i>spider phobics</i> )	0.39	0.38
			parametric ( <i>spider phobics</i> )	<b>0.80</b>	<b>0.98</b>
Dorsal Anterior Cingulate	-4/7/35	67	anxiety vs neutral ( <i>spider phobics</i> )	<b>0.72</b>	<b>0.90</b>
			parametric ( <i>spider phobics</i> )	<b>0.72</b>	<b>0.90</b>
<b>Prefrontal areas</b>					
Dorsolateral prefrontal cortex	-42/24/27	36	anxiety vs neutral ( <i>spider phobics</i> )	<b>0.79</b>	<b>0.97</b>
			parametric ( <i>spider phobics</i> )	0.18	0.16

Effect sizes and observed power for the 2<sup>nd</sup> level effects (group level) are presented. Effect sizes were estimated using partial eta squared ( $\eta_p^2$ ), which describes the proportion of the total variability in the dependent variable attributable to an effect. Effect sizes > 0.60 are in bold font. The reported observed power is the statistical power based on the observed effect size (computed with alpha = 0.05). For subcortical and medial/temporal areas, this analysis was performed on the signal extracted only from voxels which showed a significant effect in both analyses, for the dorsolateral prefrontal cortex the extent of the region could be solely defined based on the categorical analysis.