**Supplemental Materials**

**Associations of Anxiety with Additional Cortico-Limbic Volumes**

In addition to our primary ananlyses that examined associations of anxiety with orbitofronal and insula volume, we conducted suppemental analyses with the amygdala, anterior cingulate cortex (ACC), and temporal cortex. We combined temporal cortex volumes (i.e., superior, middle, inferior, and temporal pole cortex), and rostral and caudal ACC into single bilateral volumes. This was done because of similar approaches taken in previous work, and because sensitivity analyses showed no significant laterality or subarea effect in the present sample.

As in our primary analyses, linear regression analyses were conducted with anxiety symptom severity, measured continuously, as the predictor of interest of each volume in separate models. Age, gender, concurrent depression severity, and intracranial volume were added as covariates across all models.

Anxiety was not significantly associated with any of these additional regional volumes (amygdala: β =2.53, t=.37, p=.709; ACC: β=-12.25, t=-.62, p=.390; temporal cortex: β=33.52, t=.36, p=.721).

**Supplemental Table**

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| **Supplemental Table 1.** *Correlations among variables of interest in the present study* |  |  |  |
|  | **Anxiety Severity** | **Depression Severity** | **OFC Volume** | **Insula Volume** | **Aβ SUVR** | **WMH** | **Global Cognition**  | **Functional Ability** |
| **Anxiety Severity** | 1 |  |  |  |  |  |  |  |
| **Depression Severity** |  0.257\*\* | 1 |  |  |  |  |  |  |
| **OCF Volume** | -0.170 | 0.099 | 1 |  |  |  |  |  |
| **Insula Volume** | -0.082 | 0.155 | 0.697\*\* | 1 |  |  |  |  |
| **Aβ SUVR** | 0.023 | -0.162 | -0.057 | -0.05 | 1 |  |  |  |
| **WMH** | -0.038 | 0.068 | 0.030 | 0.124 | 0.116 | 1 |  |  |
| **Global Cognition** | 0.198\* | 0.141 | -0.100 | -0.033 | -0.167 | 0.133 | 1 |  |
| **Functional Ability** | 0.179 | 0.117 | -0.096 | -0.001 | -0.118 | 0.023 | .194\* | 1 |
| \*p<.05, \*\*p<.01; Anxiety Severity = Score on Generalized Anxiety Disorder 7-items (GAD-7) scale, Depression Severity = Score on Geriatric Depression Scale (GDS; 15 items), OFC = Orbitofrontal Cortex; Aβ SUVR = Amyloid Beta Standardized Uptake Value Ratio; WMH = White Matter Hyperintensities; Global Cognition = Score on Alzheimer’s Disease Assessment Scale-Cognitive (ADAS-Cog) Subscale (higher scores indicate greater impairment); Functional Ability = Sum of Boxes Score on Clinical Dementia Rating scale (CDR-SB; higher scores indicate greater impairment); Pearson correlations were used among normally distributed variables (GAD-7, GDS, OCF volumes) and Spearman correlations were used when at least one variable had a skewed distribution (Aβ SUVR, WMH, ADAS-Cog, CDR-SB).  |
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