|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REGION | H | BA | VOL (vxs) | x | y | z | Zscore | H | BA | VOL (vxs) | x | y | z | Zscore |
| **Main effect of Attention Load** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medial Frontal Gyrus | Left | 32 | 623 | -4 | 14 | 46 | 7.3 |  |  |  |  |  |  |  |
| MFG | Left  | 6 | 1314 | -26 | 2 | 40 | 6.86 | Right | 6 | 362 | 36 | 0 | 58 | 6.5 |
| PA |  Left | 4 |  | -38 | -6 | 56 | 6.43 | Right | 6 | 23 | 52 | 6 | 46 | 5.03 |
| IPL | Left  | 40 | 1843 | -46 | -32 | 50 | 6.94 | Right | 40 | 197 | 48 | -28 | 38 | 5.89 |
| STG |  |  |  |  |  |  |  | Right | 38 | 8 | 52 | 20 | -22 | 4.83 |
| **Main effect of Emotion** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STG | Left | 22 | 152 | -54 | -24 | 2 | 4.61 |  |  |  |  |  |  |  |
| Insula |  |  |  |  |  |  |  | Right | 13 | 219 | 44 | -16 | 8 | 4.58 |
| **Interact Task x Emotion** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PA | Left | 9 | 56 | -38 | 12 | 36 | 3.55 |  |  |  |  |  |  |  |
| MFG |  |  |  |  |  |  |  | Right | 10 | 37 | 36 | 56 | -2 | 3.23 |
| IPL | Left | 40 | 170 | -42 | -40 | 54 | 3.27 |  |  |  |  |  |  |  |
| SPL |  |  |  |  |  |  |  | Right | 7 | 44 | 16 | -78 | 58 | 3.08\* |
| **Low Attention Load: NEU > NEG** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MFG |  |  |  |  |  |  |  | Right | 10 | 118 | 42 | 52 | 4 | 3.96 |
| STG |  |  |  |  |  |  |  | Right | 41 | 586 | 52 | -24 | 6 | 4.66 |
| IPL | Left | 40 | 56 | -56 | -48 | 40 | 3.54 | Right | 40 | 237 | 60 | -40 | 46 | 4.28 |
| SPL | Left | 7 | 37 | -16 | -50 | 64 | 3.9 | Right | 7 | 30 | 14 | -60 | 66 | 3.5 |

**Table S2.** Brain regions showing significant effect of (A) Attentional load, (B) Emotion, and (C) emotion-attention interaction. A) Regions showing greater activation due to greater Attentional load (Main effect of Attention Load, p < 0.05 FWE) B) Regions showing greater activation due to emotional value of the distractor (Main effect of Emotion, p < 0.0001 unc.) C) Regions showing load-dependent emotional modulation (Interaction effect of Attention Load by Emotion, p < 0.05 corrected for multiple comparisons across a small volume of interest; \*p<0.001 unc.). D) Regions showing reduced activation during low attention load due to emotional distractors (NEU-trg > NEG-trg contrast for low Attention Load condition, p < 0.05 corrected for multiple comparisons across a small volume of interest).