

Table 5 Effects of Varenicline on Resting Baseline

| Regional Increases | <u>Coordinates</u> | | | T Val |
|------------------------------------|--------------------|-----------|-------------|--------------|
| | X | Y | Z | |
| Lateral OFC | 22 | 26 | - 14 | 5.63 |
| | - 30 | 34 | 12 | 4.21 |
| | 46 | 52 | 18 | 4.24 |
| Medial Temporal Cortex | - 52 | -28 | - 8 | 8.23 |
| Cerebellum | - 46 | - 66 | - 26 | 7.47 |
| Occipital Cortex | - 6 | - 92 | - 10 | 5.48 |
| Gyrus Rectus (extreme ventral OFC) | 4 | 56 | - 20 | 4.04 |
| Middle Frontal Gyrus | - 46 | 8 | 44 | 3.70 |
| Superior Frontal Cortex | 2 | 42 | 52 | 3.31 |
| Regional Decreases | X | Y | Z | T Val |
| Amygdala | 22 | 4 | - 28 | - 5.53 |
| Dorsal Middle Insula | - 38 | 10 | 8 | - 3.56 |
| Parahippocampus | - 30 | - 30 | - 2 | - 7.52 |
| | 24 | - 34 | 4 | - 4.41 |
| Superior Frontal Cortex | 0 | 6 | 58 | - 3.77 |

Effects of Placebo on Resting Baseline

None observed

Listed are the coordinates from the supra-threshold voxel within a cluster and T values in the brain at rest that were affected by three weeks varenicline administration (Time 2 versus Time 1). Activations are significant at $p < 0.0001$ uncorrected at the cluster level. Left-sided brain responses are indicated by negative 'x' coordinate values. There were no effects of placebo on the brain at rest over the 3-week regimen.