

Supplementary Online Material

Table S1. Regions associated with change in expired carbon monoxide (an indicator of recent smoking). Whole-brain searches regressing neural activity onto changes in CO (and changes in CO, controlling for self-report) were thresholded at $p < .05$, FDR corrected for multiple comparisons.

Region	x,y,z	t-val	Cluster size
Regions associated with change in CO			
Posterior Cingulate	0 -52 25	3.669	95
Precuneus	-6 -70 43	4.774	72
Precuneus/ Posterior Cingulate	0 -34 52	3.97	311
Supplementary Motor Area	6 -16 73	3.75	90
Regions associated with change in CO, controlling for all self-report measures			
Medial prefrontal cortex	0 62 4	3.32	18
Posterior Cingulate/ Precuneus	3 -40 49	3.4	362
Precuneus	-3 -70 49	4.24	77
Precuneus/ Posterior Cingulate	0 -55 25	3.67	121
Supplementary Motor Area	6 -16 73	4	121
Inferior parietal lobule	-54 -61 46	4.36	58
Precentral gyrus	-15 -37 61	4.65	108
Postcentral gyrus	15 -40 64	3.9	53
Dorsal Anterior Cingulate Cortex	-3 5 40	3.83	105
Cuneus	15 -70 37	3.54	44