

Table 8. Regions that correlated with hours of practice for negative sounds in mediation in the EMs

| ROI | Volume, mm ³ | <i>x</i> | <i>y</i> | <i>z</i> | <i>r</i> value | Partial <i>r</i> |
|---|-------------------------|----------|----------|----------|----------------|------------------|
| Negatively correlate with hours of practice | | | | | | |
| Bi MeFG/ACC BA32, BA24 BA10 | 3,065 | -5.4 | 37.9 | -0.5 | -0.69* | -0.53 |
| Right TPJ, pSTG/pMTG/IPL BA13/22/39 | 2,761 | 49.5 | -51.8 | 16.2 | -0.68* | -0.58 |
| Left MTG/STG, BA39 | 1,205 | -42 | -56.3 | 17.8 | -0.65* | -0.57 |
| Right amygdala/parahipp ocampus | 1,169 | 27.8 | -2.4 | -16.2 | -0.72** | -0.59 |
| Right postCG/STG, BA40/42 | 915 | 53.5 | -21.8 | 22.8 | -0.80** | -0.76** |
| Right aMTG/aSTG BA 38/21 | 864 | 48.3 | 6.8 | -22.8 | -0.64* | -0.50 |
| Left precuneus BA 31/7 | 790 | -0.2 | -48.1 | 35.4 | -0.59* | -0.42 |
| Positively correlate with hours of practice | | | | | | |
| Left tonsil | 1,441 | -28 | -54.8 | -32.3 | 0.90*** | 0.91*** |
| Left subthalamus/red nuc./subnigra | 1,003 | -7.9 | -25.9 | -8.1 | 0.63* | 0.59 |

Clusters are $P < 0.02$, corrected for multiple comparison. Reported are both r values for correlation with activation in response to negative sounds during meditation vs. hours and partial r values that account for age. *, $P < 0.02$; **, $P < 0.01$; ***, $P < 0.001$.