

Table 7. Regions showing correlation of activation to distracting sounds in meditation block with hours of practice, within the EMs

ROI	Volume, mm ³	<i>x, y, z</i>	<i>r</i> value	Partial <i>r</i> value
Negatively correlated with hours				
P. Cing BA23/31	6,186	-1, -48, 25	-0.79**	-0.70*
Right IPL/ ventral PoCS BA40	2,241	53, -21, 24	-0.71*	-0.55*
Right para/fusiform BA36/37	1,971	31, -24, -19	-0.87***	-0.82***
Bi. ventral MFG/Acc BA10/32	1,355	3, 52, 5	-0.75**	-0.64*
Right aSTG/IFG	808	41, 21, -14	-0.79**	-0.75**
Left pSTG/MTG	736	-38, -52, 13	-0.80**	-0.76**
Right pSTG/MTG [†]	621	49, -48, 17	-0.71*	-0.56
Right amygdala [†]	322	29, -6, -13	-0.75**	-0.66*
Right TT amygdala with negative sounds	1,149	-23, 5, -15	-0.76**	-0.64*
Right TT amygdala with positive sounds			-0.13	-0.04
Positively correlated with hours				
Left Ins (anterior/dorsal), preCG BA13	3,408	-42, 10, 10	0.84**	0.89***
Left subthalamus	1,929	-9, -28, -8	0.84**	0.89***
Right subthalamus	1,670	13, -14, -5	0.74**	0.90***
Left IFG BA47	1,423	-29, 4, -13	0.83**	0.89***
Right SMA BA6	954	5, -3, 59	0.75**	0.67*
Right visual cortex, BA18	942	16, -77, -6	0.63*	0.78**
Right IPS/IPL	941	-50, -39, 49	0.82**	0.83**
Left prcn BA7	937	-23, -69, 35	0.75**	0.85**
Right IFG/aSTG BA47/38	865	27, 17, -29	0.72**	0.68*
Right IFG/MFG BA47	838	43, 41, -4	0.75**	0.83**
Left globus pallidus	708	-19, -8, 0	0.79**	0.85***
Left cerebellar tonsil [†]	498	-26, -51, -31	0.68*	0.83**
Left visual cortex, BA18 [†]	482	-13, -74, -3	0.65*	0.82**
Left IFG/MFG, BA40 [†]	330	-37, 33, -7	-0.76**	0.78**

Results from voxel-wise regression with hours of practice vs. response to all distracting sounds together ($P < 0.02$). All regions significantly correlated with hours alone. Partial correlations accounting for age are listed. *, $P < 0.05$; **, $P < 0.01$; ***, $P < 0.001$. TT, Talairach–Tournoux, from AFNI's database of Talairach-defined regions.

[†]Clusters smaller than corrected.