

**NetTable 2. Localizations of S-ketamine-induced Increases (Anesthesia vs. Baseline) in Regional Cerebral Blood Flow (rCBF). Absolute SPM-analysis (T = 8, k = 0).**

<u>Lobe</u>	<u>Region</u>		<u>Proportion of</u>	<u>Proportion of the Region</u>	<u>Cluster</u>		<u>Maximum Voxel</u>			<u>Voxel</u>
			<u>Cluster Volume (%)</u>	<u>Covered by the Cluster (%)</u>	<u>Voxels</u>	<u>p</u>	<u>MNI Coordinates</u>			<u>p</u>
<b>CLUSTER 1</b>					<b>789</b>	<b>&lt; 0.001</b>	<b>-14</b>	<b>40</b>	<b>-16</b>	<b>0.001</b>
Frontal Lobe	Medial Frontal Gyrus	R	25.22	4.79	<b>199</b>					
	Medial Frontal Gyrus	L	11.53	2.29	<b>91</b>					
Limbic Lobe	Anterior Cingulate	R	14.32	7.08	<b>113</b>					
<b>Total % of the Cluster</b>			<b>51.07</b>							
<b>CLUSTER 2</b>					<b>5251</b>	<b>&lt; 0.001</b>	<b>-66</b>	<b>-16</b>	<b>26</b>	<b>&lt; 0.001</b>
Frontal Lobe	Precentral Gyrus	L	8.04	10.36	<b>422</b>					
Temporal Lobe	Transverse Temporal Gyrus	L	2.8	60.25	<b>147</b>					
	Superior Temporal Gyrus	L	11.85	11.86	<b>622</b>					
Parietal Lobe	Inferior Parietal Lobule	L	9.88	17.52	<b>519</b>					
	Postcentral Gyrus	L	20.21	35.2	<b>1061</b>					
Insula		L	20.02	49.51	<b>1051</b>					

Lentiform Nucleus		L	4.67	20.96	<b>245</b>					
Clastrum		L	2.11	51.87	<b>111</b>					
Thalamus		L	2.11	10.91	<b>111</b>					
<b>Total % of the Cluster</b>			<b>81.69</b>							
<b>CLUSTER 3</b>					<b>65</b>	<b>&lt; 0.001</b>	<b>24</b>	<b>42</b>	<b>-14</b>	<b>0.002</b>
Frontal Lobe	Middle Frontal Gyrus	R	83.08	0.74	<b>54</b>					
<b>CLUSTER 4</b>					<b>5707</b>	<b>&lt; 0.001</b>	<b>72</b>	<b>-32</b>	<b>24</b>	<b>&lt; 0.001</b>
Frontal Lobe	Inferior Frontal Gyrus	R	1.79	2.18	<b>102</b>					
	Precentral Gyrus	R	11.34	15.92	<b>647</b>					
Temporal Lobe	Superior Temporal Gyrus	R	10.23	11.12	<b>584</b>					
	Transverse Temporal Gyrus	R	2.44	58.65	<b>139</b>					
Parietal Lobe	Inferior Parietal Lobule	R	8.66	16.73	<b>494</b>					
	Postcentral Gyrus	R	12.42	23.45	<b>709</b>					
Insula		R	21.2	56.73	<b>1210</b>					
Lentiform Nucleus		R	3.75	18.53	<b>214</b>					
Clastrum		R	2.44	65.57	<b>139</b>					

**Total % of the Cluster** **74.27**

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**CLUSTER 5** **153 < 0.001 -52 40 12 0.001**

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Frontal Lobe Inferior Frontal Gyrus L 71.24 2.36 **109**

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**CLUSTER 6** **213 < 0.001 52 50 2 0.001**

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Frontal Lobe Middle Frontal Gyrus R 47.89 1.4 **102**

Inferior Frontal Gyrus R 34.74 1.58 **74**

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**Total % of the Cluster** **82.63** **176**

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**CLUSTER 7** **6036 < 0.001 -18 -28 44 < 0.001**

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Frontal Lobe Medial Frontal Gyrus R 1.71 2.48 **103**

Medial Frontal Gyrus L 3.79 5.75 **229**

Parietal Lobe Superior Parietal Lobule R 4.37 31.69 **264**

Superior Parietal Lobule L 2.07 14.92 **125**

Postcentral Gyrus R 9.74 19.44 **588**

Postcentral Gyrus L 7.39 14.8 **446**

Precuneus R 2.93 4.58 **177**

Precuneus L 2.93 4.79 **177**

	Paracentral Lobule	R	5.67	44.3	<b>342</b>
	Paracentral Lobule	C	1.26	78.35	<b>76</b>
	Paracentral Lobule	L	9.56	83.38	<b>577</b>
Limbic Lobe	Cingulate Gyrus	R	6.81	11.64	<b>411</b>
	Cingulate Gyrus	L	3.61	6.84	<b>218</b>
<b>Total % of the Cluster</b>			<b>61.84</b>		<b>3733</b>

R = Right Hemisphere, L = Left Hemisphere, C = Central, T = Height Threshold, k = Extend Threshold. Unlocalized proportions were not identifiable, located outside neural tissue or were sized < 50 voxels.