

SUPPLEMENTARY TABLES

Supplementary Table 1 Brain regions with significant differences in gray matter volume between aNSCLP, bNSCLP and NC.

Brain regions	AAL Area	Peak MNI coordinates			T-values	Cluster size
		X	Y	Z		
bNSCLP vs. NC Right Inferior Frontal Gyrus	Frontal_Inf_Tri_R Frontal_Mid_R	44	26	21	4.415*	322
aNSCLP vs. bNSCLP Left Postcentral Gyrus	Postcentral_L Parietal_Inf_L	-32	-31	42	-4.901*	490

MNI, Montreal Neurological Institute;

A two-sample t-test was performed between each pair in aNSCLP, bNSCLP and NC. Results with * are thresholded at $P < 0.05$, cluster-level FWE-corrected.

Atlas labelling was performed according to the AAL atlas [1].

Supplementary Table 2. Brain regions with significant differences in surface indexes between aNSCLP, bNSCLP and NC.

T value	Cluster size	Surface index (mean±SD)		Overlap of atlas region	
bNSCLP vs. NC cortical thickness 4.8	75	bNSCLP 2.273±0.240	NC 2.608±0.239	65%	Parahippocampal(L) Fusiform(L)
				35%	
aNSCLP vs. NC cortical thickness 4.9	197	aNSCLP 3.459±0.152	NC 3.243±0.137	100%	Superior frontal(R)
fractal dimension 4.7		aNSCLP 2.460±0.208	NC 2.726±0.161	100%	
gyrification 4.5	89	aNSCLP 29.668±1.909	NC 26.977±1.892	48%	Temporal pole(R) Inferior temporal(R) Entorhinal(R)
				38%	
				14%	
aNSCLP vs. bNSCLP gyrification 4.6	126	aNSCLP 29.472±1.438	bNSCLP 27.374±1.273	100%	Inferior parietal(L)
4.5		32.299±0.950	30.905±0.943	58%	
	96			42%	Supramarginal(R)

A two-sample t-test was performed between each pair in aNSCLP, bNSCLP and NC. Results are thresholded at $P < 0.05$, cluster-level and peak-level FWE-corrected. (L)/(R) means left/right hemisphere. Atlas labelling was performed according to the DesikanKilliany atlas [2].

Supplementary References

1. Tzourio-Mazoyer N, Landeau B, Papathanassiou D, Crivello F, Etard O, Delcroix N, Mazoyer B, Joliot M. Automated anatomical labeling of activations in SPM using a macroscopic anatomical parcellation of the MNI MRI single-subject brain. *Neuroimage*. 2002; 15:273–89. <https://doi.org/10.1006/nimg.2001.0978>. PMID:11771995
2. Desikan RS, Ségonne F, Fischl B, Quinn BT, Dickerson BC, Blacker D, Buckner RL, Dale AM, Maguire RP, Hyman BT, Albert MS, Killiany RJ. An automated labeling system for subdividing the human cerebral

cortex on MRI scans into gyral based regions of interest. Neuroimage. 2006; 31:968–80.

<https://doi.org/10.1016/j.neuroimage.2006.01.021>

PMID:[16530430](https://pubmed.ncbi.nlm.nih.gov/16530430/)