

Supplementary Tables and Figures

Supplementary Table S1. Volume ratio of each cortical regions

	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b><i>p</i>-value</b>
<b>VR of Cingulate cortex</b>	5.35 ± 0.58	5.14 ± 0.64	5.44 ± 0.53	0.038
<b>VR of Frontal cortex</b>	36.63 ± 3.16	34.96 ± 3.18	37.42 ± 2.84	0.001
<b>VR of Insular cortex</b>	4.35 ± 0.37	4.19 ± 0.39	4.43 ± 0.33	0.007
<b>VR of Occipital cortex</b>	1.66 ± 0.66	1.54 ± 0.62	1.72 ± 0.68	0.280
<b>VR of Parietal cortex</b>	16.05 ± 2.64	14.79 ± 3.14	16.64 ± 2.15	0.004
<b>VR of Temporal cortex</b>	29.69 ± 2.50	28.55 ± 2.44	30.23 ± 2.37	0.006

VR: volume ratio which is calculated by volume of each cortical region divided by intracranial volume.

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Supplementary Table S2. MR protocol details.

	<b>3D MPRAGE</b>	<b>3D FLAIR</b>	<b>3D SWI</b>	<b>DCE-MRI</b>
<b>TR (ms)</b>	2300	5000	29	3.1
<b>TE (ms)</b>	2.98	393	20	1.04
<b>TI (ms)</b>	900	1800		
<b>Flip Angle (°)</b>	9		15	10
<b>FOV (mm)</b>	256×256	256×256	220	225×240
<b>Slice thickness (mm)</b>	1	1	2	3
<b>Matrix</b>	256×256	256×256	512×512	180×192
<b>Voxel size</b>	1×1×1	1×1×1	0.43×0.43×2	1.25×1.25×3
<b>NEX</b>	1	1	1	
<b>GRAPPA factor</b>	2	2	2	
<b>Other features</b>				60 dynamics, 10 s temporal resolution

3D MPRAGE: three-dimensional magnetization prepared-rapid gradient echo; 3D FLAIR: three-dimensional fluid attenuated inversion recovery; 3D SWI: three-dimensional susceptibility-weighted imaging; DCE: dynamic-contrast enhancement; TR: repetition time; TE: time to echo; TI: inversion time; FOV: field of view; NEX: number of excitation; GRAPPA: GeneRalized autocalibrating partial parallel acquisition.