



Subject: pierrick-brain

Sex
UNKNOWN

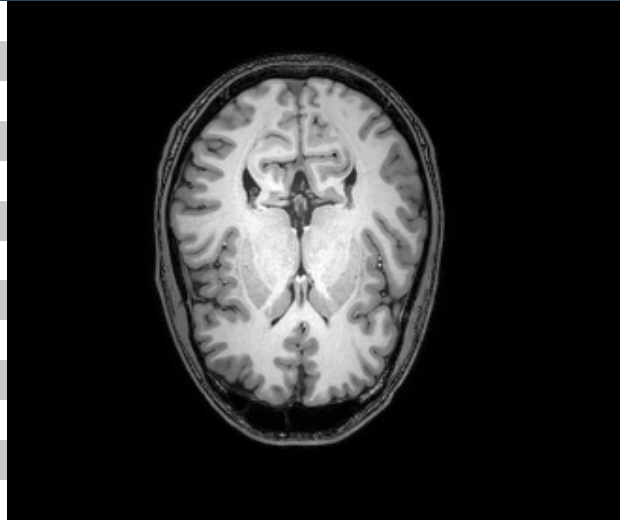
Age
UNKNOWN

Report date
26-Apr-2021

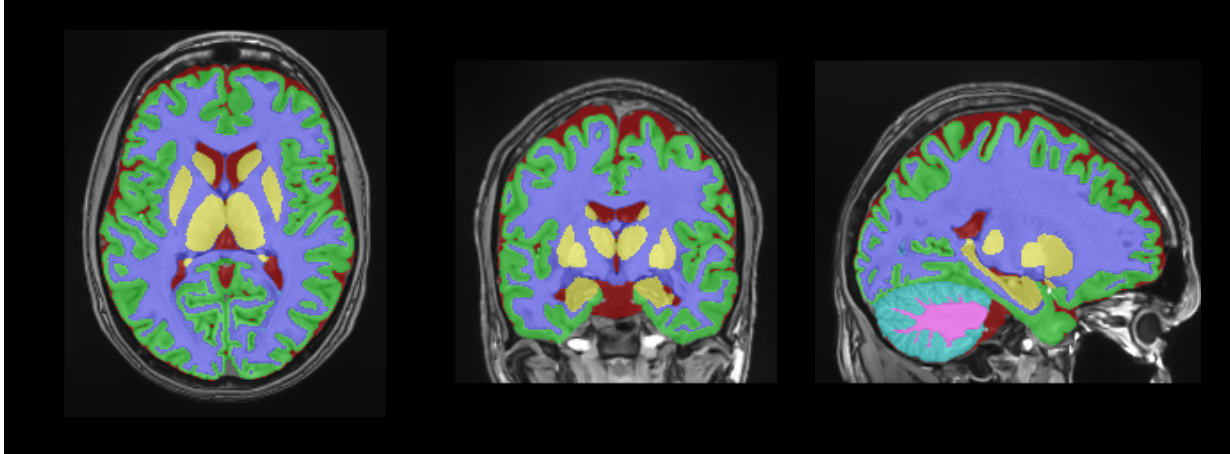
Image orientation
neurological

Scale factor
0.88

SNR
15.17



Tissue segmentation



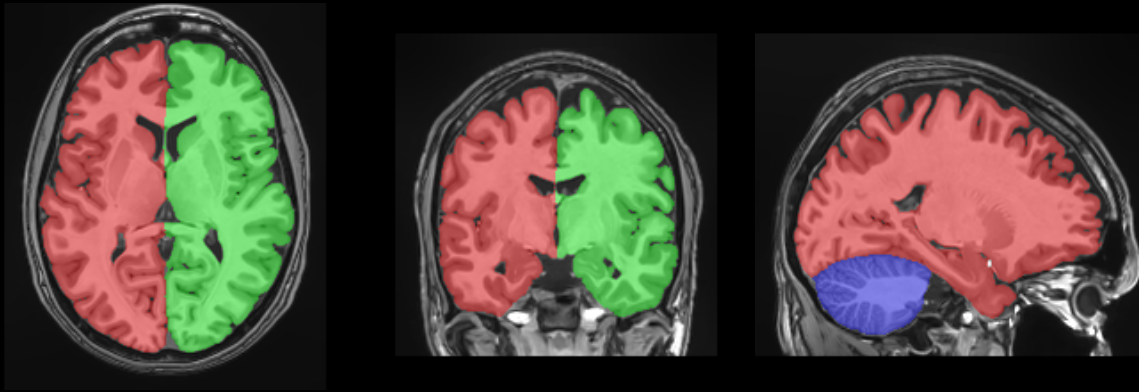
Tissue	Volume (cm ³ %)
White Matter (WM)	629.08 (39.254)
Normal Appearing White Matter	628.69 (39.229)
Abnormal Appearing White Matter	0.39 (0.024)
Grey Matter (GM)	764.63 (47.712)
Subcortical Grey Matter	48.91 (3.052)
Cortical Grey Matter	589.35 (36.775)
Cerebellar Grey Matter	126.36 (7.885)
Cerebro Spinal Fluid (CSF)	186.04 (11.609)
Brain (WM+GM)	1393.71 (86.965)
Intracranial Cavity (IC)	1602.61 (100.000)

*All the volumes are presented in absolute value (measured in cm³) and in relative value (measured in relation to the ICV).

*The Asymmetry Index is calculated as the difference between right and left volumes divided by their mean (in percent).

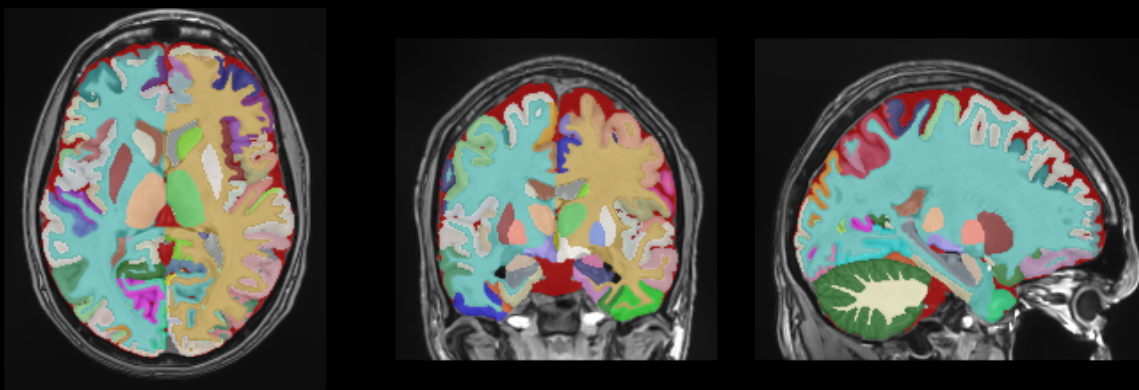
*Segmentation images are located in the MNI space (neurological orientation).

Macrostructures



Structure	Total (cm ³ /%)	Right (cm ³ /%)	Left (cm ³ /%)	Asymmetry (%)
Cerebrum	1228.47 (76.654)	613.37 (38.273)	615.10 (38.381)	-0.2825
Cerebrum WM	590.20 (0.368)	294.81 (0.184)	295.39 (0.184)	-0.1979
Cerebrum GM	638.27 (0.398)	318.56 (0.199)	319.71 (0.199)	-0.3608
* Cerebellum	154.24 (9.624)	76.68 (4.785)	77.55 (4.839)	-1.1320
Cerebellum WM	38.88 (0.024)	19.43 (0.012)	19.44 (0.012)	-0.0497
Cerebellum GM	126.36 (0.079)	57.25 (0.036)	58.11 (0.036)	-1.4967
Vermis	11.00 (0.687)			
Brainstem	22.86 (1.426)			

Structure segmentation



Subcortical	Total (cm ³ /%)	Right (cm ³ /%)	Left (cm ³ /%)	Asymmetry (%)
Accumbens	0.77 (0.048)	0.34 (0.021)	0.43 (0.027)	-24.8009
Amygdala	2.19 (0.137)	1.07 (0.067)	1.12 (0.070)	-4.1667
Caudate	7.71 (0.481)	3.96 (0.247)	3.75 (0.234)	5.4189
Hippocampus	9.90 (0.618)	5.00 (0.312)	4.90 (0.306)	1.9865
Pallidum	3.55 (0.222)	1.78 (0.111)	1.77 (0.111)	0.0989
Putamen	9.89 (0.617)	4.79 (0.299)	5.11 (0.319)	-6.4642
Thalamus	14.05 (0.877)	6.93 (0.433)	7.12 (0.444)	-2.6133
Basal Forebrain	0.84 (0.052)	0.43 (0.027)	0.41 (0.026)	5.4280
Ventral DC	11.47 (0.715)	5.74 (0.358)	5.73 (0.357)	0.1992

*Cerebellum total volume corresponds to the sum of left and right volumes. Vermis is segmented apart.

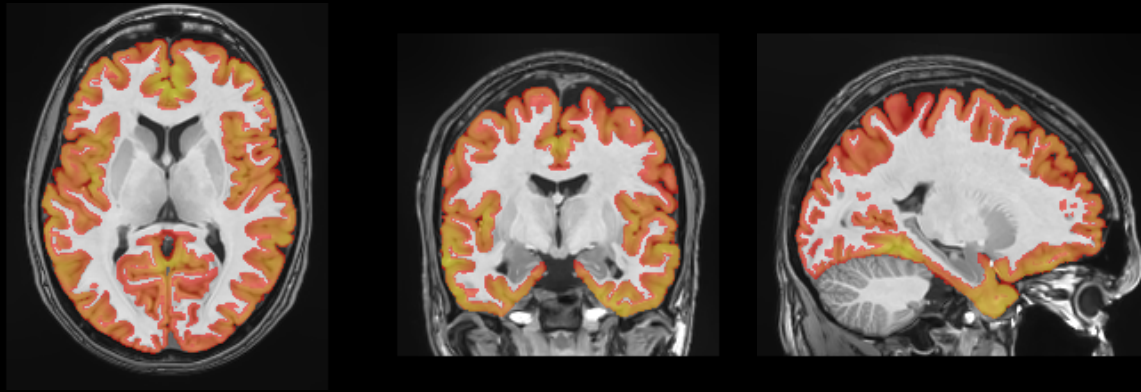
Cortical (Lobe/Structure)	Total (cm ³ /%)	Right (cm ³ /%)	Left (cm ³ /%)	Asymmetry (%)
Frontal	193.33 (12.063)	95.81 (5.978)	97.52 (6.085)	-1.7680
Anterior orbital gyrus	4.37 (0.273)	2.39 (0.149)	1.98 (0.124)	18.4739
Frontal pole	6.97 (0.435)	3.50 (0.218)	3.47 (0.217)	0.7060
Gyrus rectus	4.55 (0.284)	2.71 (0.169)	1.83 (0.114)	38.5626
Lateral orbital gyrus	4.79 (0.299)	2.34 (0.146)	2.45 (0.153)	-4.7348
Medial frontal cortex	3.35 (0.209)	1.74 (0.108)	1.62 (0.101)	7.1204
Middle frontal gyrus	43.62 (2.722)	20.92 (1.305)	22.70 (1.416)	-8.1830
Medial orbital gyrus	8.56 (0.534)	4.21 (0.263)	4.36 (0.272)	-3.4454
Precentral gyrus medial segment	4.85 (0.303)	2.23 (0.139)	2.62 (0.164)	-16.0362
Sup. frontal gyrus medial segment	13.63 (0.851)	6.37 (0.398)	7.26 (0.453)	-13.0636
Opercular inf. frontal gyrus	7.62 (0.475)	3.56 (0.222)	4.06 (0.253)	-13.2350
Orbital inf. frontal gyrus	3.24 (0.202)	1.72 (0.107)	1.52 (0.095)	12.4797
Posterior orbital gyrus	7.06 (0.441)	3.68 (0.229)	3.39 (0.211)	8.1831
Precentral gyrus	29.31 (1.829)	14.91 (0.930)	14.40 (0.899)	3.4638
Subcallosal area	2.72 (0.170)	1.44 (0.090)	1.28 (0.080)	11.5447
Sup. frontal gyrus	31.66 (1.975)	15.79 (0.985)	15.87 (0.990)	-0.4882
Supplementary motor cortex	9.15 (0.571)	4.39 (0.274)	4.76 (0.297)	-8.0630
Triangular inf. frontal gyrus	7.88 (0.491)	3.93 (0.245)	3.95 (0.246)	-0.3568
Parietal	106.32 (6.634)	53.57 (3.343)	52.75 (3.291)	1.5546
Angular gyrus	24.18 (1.509)	12.87 (0.803)	11.30 (0.705)	13.0040
Postcentral gyrus medial segment	1.77 (0.110)	0.93 (0.058)	0.84 (0.052)	9.5427
Precuneus	23.87 (1.490)	12.29 (0.767)	11.58 (0.723)	5.9598
Postcentral gyrus	19.50 (1.217)	8.99 (0.561)	10.51 (0.656)	-15.5121
Supramarginal gyrus	17.00 (1.061)	9.12 (0.569)	7.88 (0.492)	14.6009
Sup. parietal lobule	20.00 (1.248)	9.37 (0.584)	10.64 (0.664)	-12.6965
Temporal	129.84 (8.102)	65.73 (4.101)	64.11 (4.000)	2.4919
Fusiform gyrus	16.88 (1.054)	8.51 (0.531)	8.38 (0.523)	1.5396
Inf. temporal gyrus	28.81 (1.798)	14.88 (0.928)	13.93 (0.869)	6.5913
Middle temporal gyrus	31.94 (1.993)	17.46 (1.090)	14.48 (0.903)	18.6928
Planum polare	4.49 (0.280)	2.14 (0.134)	2.35 (0.147)	-9.3451
Planum temporale	5.63 (0.352)	2.25 (0.141)	3.38 (0.211)	-40.1496
Sup. temporal gyrus	15.75 (0.983)	7.56 (0.472)	8.19 (0.511)	-8.0089
Temporal pole	22.25 (1.388)	11.34 (0.708)	10.91 (0.681)	3.8680
Transverse temporal gyrus	4.08 (0.255)	1.59 (0.099)	2.49 (0.156)	-44.3727
Occipital	81.60 (5.092)	41.16 (2.568)	40.44 (2.524)	1.7457
Calcarine cortex	8.82 (0.550)	4.48 (0.279)	4.34 (0.271)	2.9875
Cuneus	9.92 (0.619)	4.80 (0.299)	5.12 (0.319)	-6.4630
Inf. occipital gyrus	14.02 (0.875)	7.01 (0.438)	7.00 (0.437)	0.1629
Lingual gyrus	17.60 (1.098)	9.07 (0.566)	8.53 (0.532)	6.1277
Middle occipital gyrus	11.12 (0.694)	5.74 (0.358)	5.38 (0.336)	6.3487
Occipital pole	5.20 (0.324)	2.39 (0.149)	2.81 (0.176)	-16.4865
Occipital fusiform gyrus	6.61 (0.413)	3.01 (0.188)	3.60 (0.225)	-17.7666
Sup. occipital gyrus	8.31 (0.518)	4.66 (0.291)	3.65 (0.228)	24.3975

Limbic	45.65 (2.849)	22.19 (1.384)	23.47 (1.464)	-5.6057
Anterior cingulate gyrus	11.99 (0.748)	6.35 (0.396)	5.63 (0.352)	11.9578
Entorhinal area	5.01 (0.313)	2.30 (0.144)	2.71 (0.169)	-16.1234
Middle cingulate gyrus	11.32 (0.706)	5.73 (0.357)	5.59 (0.349)	2.4216
Posterior cingulate gyrus	10.57 (0.659)	4.91 (0.306)	5.66 (0.353)	-14.1468
Parahippocampal gyrus	6.77 (0.423)	2.90 (0.181)	3.88 (0.242)	-28.9863
Insular	32.62 (2.035)	16.79 (1.048)	15.83 (0.988)	5.8906
Anterior insula	9.97 (0.622)	4.86 (0.303)	5.11 (0.319)	-4.9150
Posterior insula	5.29 (0.330)	2.67 (0.166)	2.63 (0.164)	1.5596
Central operculum	8.23 (0.513)	4.28 (0.267)	3.95 (0.246)	8.2186
Frontal operculum	4.77 (0.297)	1.97 (0.123)	2.79 (0.174)	-34.3099
Parietal operculum	4.36 (0.272)	2.04 (0.127)	2.32 (0.145)	-12.7214

CSF	Total ($cm^3/\%$)	Right ($cm^3/\%$)	Left ($cm^3/\%$)	Asymmetry (%)
Lateral Ventricle	15.67 (0.978)	8.73 (0.545)	6.95 (0.433)	22.7476
Inf. Lateral Ventricle	1.21 (0.075)	0.26 (0.016)	0.94 (0.059)	-112.6638
3rd Ventricle	0.94 (0.059)			
4th Ventricle	1.82 (0.113)			
External CSF	167.04 (10.423)			

Cerebellar Vermis	Total ($cm^3/\%$)
Lobules I-V	5.20 (0.325)
Lobules VI-VII	2.35 (0.147)
Lobules VIII-X	3.45 (0.215)

Cortical thickness



Thickness (Lobe/Structure)	Total (mm/norm.)	Right (mm/norm.)	Left (mm/norm.)	Asymmetry (%)
Frontal	2.41 (0.021)	2.43 (0.021)	2.38 (0.020)	2.3007
Anterior orbital gyrus	2.81 (0.024)	2.73 (0.023)	2.92 (0.025)	-6.7720
Frontal pole	2.44 (0.021)	2.49 (0.021)	2.38 (0.020)	4.5413
Gyrus rectus	2.45 (0.021)	2.60 (0.022)	2.23 (0.019)	15.4109
Lateral orbital gyrus	2.85 (0.024)	2.86 (0.024)	2.85 (0.024)	0.1010
Medial frontal cortex	3.12 (0.027)	3.22 (0.028)	3.01 (0.026)	6.8297
Middle frontal gyrus	2.65 (0.023)	2.67 (0.023)	2.62 (0.022)	1.7483
Medial orbital gyrus	2.52 (0.022)	2.52 (0.022)	2.53 (0.022)	-0.3499
Precentral gyrus medial segment	1.66 (0.014)	1.80 (0.015)	1.55 (0.013)	14.8089
Sup. frontal gyrus medial segment	3.03 (0.026)	3.02 (0.026)	3.03 (0.026)	-0.2548
Opercular inf. frontal gyrus	2.16 (0.018)	2.19 (0.019)	2.14 (0.018)	2.5266
Orbital inf. frontal gyrus	2.53 (0.022)	2.63 (0.023)	2.41 (0.021)	8.8750
Posterior orbital gyrus	3.12 (0.027)	3.25 (0.028)	2.97 (0.025)	8.9386
Precentral gyrus	1.80 (0.015)	1.74 (0.015)	1.86 (0.016)	-6.1609
Subcallosal area	2.73 (0.023)	2.58 (0.022)	2.89 (0.025)	-11.3205
Sup. frontal gyrus	2.13 (0.018)	2.18 (0.019)	2.09 (0.018)	4.1256
Supplementary motor cortex	2.25 (0.019)	2.26 (0.019)	2.25 (0.019)	0.4687
Triangular inf. frontal gyrus	2.47 (0.021)	2.73 (0.023)	2.21 (0.019)	21.0483
Parietal	1.96 (0.017)	1.96 (0.017)	1.97 (0.017)	-0.2803
Angular gyrus	2.25 (0.019)	2.19 (0.019)	2.33 (0.020)	-6.5240
Postcentral gyrus medial segment	0.92 (0.008)	1.06 (0.009)	0.76 (0.006)	33.6761
Precuneus	2.58 (0.022)	2.60 (0.022)	2.56 (0.022)	1.7062
Postcentral gyrus	1.20 (0.010)	1.09 (0.009)	1.29 (0.011)	-16.9895
Supramarginal gyrus	2.26 (0.019)	2.28 (0.019)	2.24 (0.019)	1.5075
Sup. parietal lobule	1.46 (0.012)	1.43 (0.012)	1.49 (0.013)	-4.2127
Temporal	3.10 (0.027)	3.12 (0.027)	3.08 (0.026)	1.2244
Fusiform gyrus	3.19 (0.027)	3.20 (0.027)	3.18 (0.027)	0.5024
Inf. temporal gyrus	3.29 (0.028)	3.36 (0.029)	3.22 (0.028)	4.1436
Middle temporal gyrus	3.23 (0.028)	3.12 (0.027)	3.36 (0.029)	-7.4504
Planum polare	2.08 (0.018)	1.96 (0.017)	2.19 (0.019)	-10.9003
Planum temporale	2.14 (0.018)	2.01 (0.017)	2.22 (0.019)	-9.8361
Sup. temporal gyrus	2.74 (0.023)	2.64 (0.023)	2.84 (0.024)	-7.3284
Temporal pole	3.50 (0.030)	3.64 (0.031)	3.36 (0.029)	8.1657
Transverse temporal gyrus	2.07 (0.018)	2.21 (0.019)	1.98 (0.017)	10.9876

Occipital	2.06 (0.018)	2.06 (0.018)	2.06 (0.018)	0.1930
Calcarine cortex	1.48 (0.013)	1.45 (0.012)	1.51 (0.013)	-4.6707
Cuneus	1.84 (0.016)	1.78 (0.015)	1.89 (0.016)	-6.2373
Inf. occipital gyrus	2.27 (0.019)	2.17 (0.019)	2.36 (0.020)	-8.1772
Lingual gyrus	2.40 (0.021)	2.41 (0.021)	2.39 (0.020)	0.9342
Middle occipital gyrus	2.61 (0.022)	2.68 (0.023)	2.55 (0.022)	4.9944
Occipital pole	1.22 (0.010)	1.26 (0.011)	1.19 (0.010)	5.7698
Occipital fusiform gyrus	2.07 (0.018)	2.20 (0.019)	1.95 (0.017)	12.0510
Sup. occipital gyrus	1.62 (0.014)	1.64 (0.014)	1.61 (0.014)	1.7160
Limbic	3.14 (0.027)	3.19 (0.027)	3.09 (0.026)	3.3817
Anterior cingulate gyrus	3.74 (0.032)	3.70 (0.032)	3.78 (0.032)	-2.0741
Entorhinal area	3.18 (0.027)	3.34 (0.029)	3.05 (0.026)	8.8759
Middle cingulate gyrus	2.80 (0.024)	2.87 (0.025)	2.72 (0.023)	5.2145
Posterior cingulate gyrus	3.05 (0.026)	3.05 (0.026)	3.04 (0.026)	0.4093
Parahippocampal gyrus	2.74 (0.023)	2.82 (0.024)	2.68 (0.023)	5.0824
Insular	2.84 (0.024)	2.87 (0.025)	2.80 (0.024)	2.7477
Anterior insula	3.48 (0.030)	3.48 (0.030)	3.48 (0.030)	0.0251
Posterior insula	2.83 (0.024)	2.77 (0.024)	2.90 (0.025)	-4.6771
Central operculum	2.41 (0.021)	2.37 (0.020)	2.45 (0.021)	-3.2282
Frontal operculum	2.78 (0.024)	2.84 (0.024)	2.74 (0.023)	3.8191
Parietal operculum	2.23 (0.019)	2.04 (0.017)	2.39 (0.020)	-15.8725