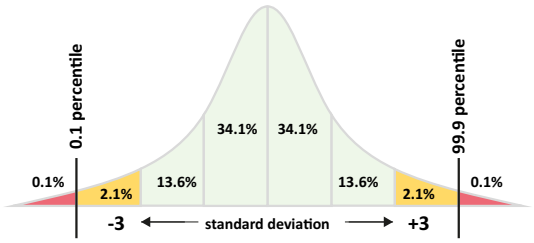
AIRAscore structure
Report

AIRAmed
artificial intelligence in radiology

Order-ID:	47V ZU8 447
Person:	Demo bvFTD (f), born Jan 01, 1864
Acquisition:	**Jan 01, 1921**, 08:31 PM
Evaluation:	Jun 18, 2024, 09:48 AM (+02:00 UTC), Software Version 2.4.0
Sequence:	3, t1_mpr_iso_sag_new, sagittal, 1.0 × 1.0 × 1.0 mm³, TR: 2500.0 ms, TE: 2.96 ms, TI: 1100.0 ms, FA: 8.0°, SIEMENS, Avanto_fit, 1.5 T



	Absolute Volume in ml	Relative Volume in %TIV	(Percentile)	
Tissue Type				
Total brain volume	1011.0	73.2	(20.2)	(960.5 - 1133.5)†
Gray matter (GM)	542.6	39.3	(8.3)	(524.4 - 642.8)†
GM **cerebrum (L)**	206.8	15.0	(15.2)	(194.6 - 244.9)†
GM **cerebrum (R)**	194.6	14.1	(2.4)	(194.4 - 245.3)†
White matter (WM)	467.0	33.8	(55.7)	(404.9 - 520.9)†
T1 hypointense lesions (white matter lesions, perivascular spaces)	1.33	0.1		
Infratentorial				
Midbrain	5.5	0.4	(35.7)	(4.9 - 6.5)†
Pons	15.0	1.1	(69.5)	(11.3 - 17.8)†
Midbrain / Pons	0.37#		(16.4)	(0.3356 - 0.4663)†
Total cerebellum	128.2	9.3	(59.9)	(104.1 - 156.9)†
GM **cerebellum (L)**	51.1	3.7	(51.3)	(41.8 - 60.1)†
GM **cerebellum (R)**	53.9	3.9	(66.1)	(42.8 - 61.8)†

† Normal range in ml is adapted for head size, age and gender

Without unit

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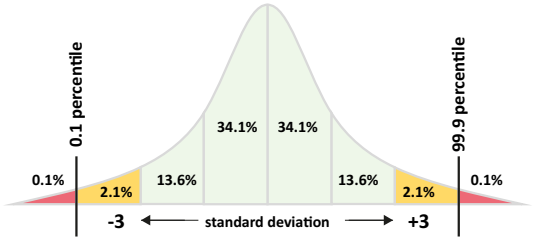

	Absolute Volume in ml	Relative Volume in %TIV	(Percentile)	
Ventricles				
Lateral ventricle (L)	10.1	0.7	(51.6)	(0.0 - 44.4)†
Lateral ventricle (R)	13.5	1.0	(75.2)	(0.0 - 22.2)
3rd ventricle	1.49	0.11	(83.8)	(0.1 - 2.0)†
4th ventricle	1.42	0.1	(38.3)	(0 - 2.7)†
Brain Lobes (Gray Matter)				
Frontal (L)	68.7	5.0	(6.2)	(66.3 - 86.8)†
Parietal (L)	46.7	3.4	(21.3)	42.3 - 56.9)†
Occipital (L)	24.9	1.8	(77.5)	(18.4 - 27.8
Temporal (L)	48.2	3.5	(21.2)	43.6 - 58.8)†
Insula (L)	6.2	0.4	(13.4)	(5.6 - 8.0)†
Frontal (R)	63.4	4.6	(0.7)	(65.7 - 86.4)†
Parietal (R)	46.3	3.4	(14.5)	(42.8 - 57.6)†
Occipital (R)	25.8	1.9	(73.7)	(19.3 - 29.2
Temporal (R)	42.7	3.1	(1.7)	(43.1 - 58.3)†
Insula (R)	5.6	0.4	(3.8)	(5.5 - 7.9)†
Limbic Lobe				
Hippocampus (L)	2.51	0.18	(1.6)	(2.6 - 4.0)†
Hippocampus (R)	1.88	0.14	(0.0)	* (2.6 - 4.1)†

† Normal range in ml is adapted for head size, age and gender

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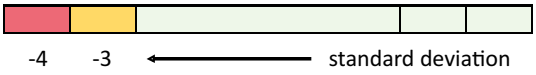
Schematic Overview



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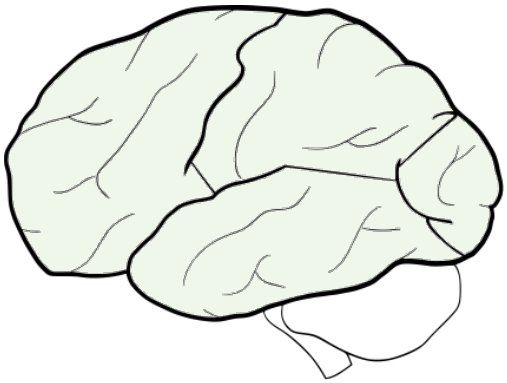

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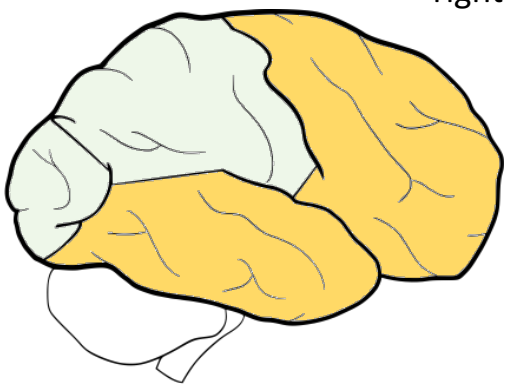

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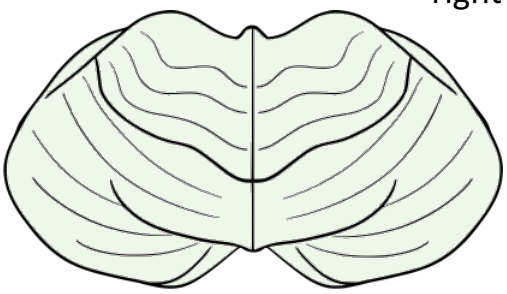

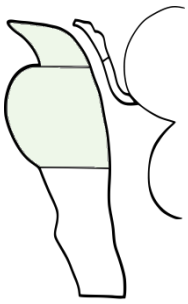

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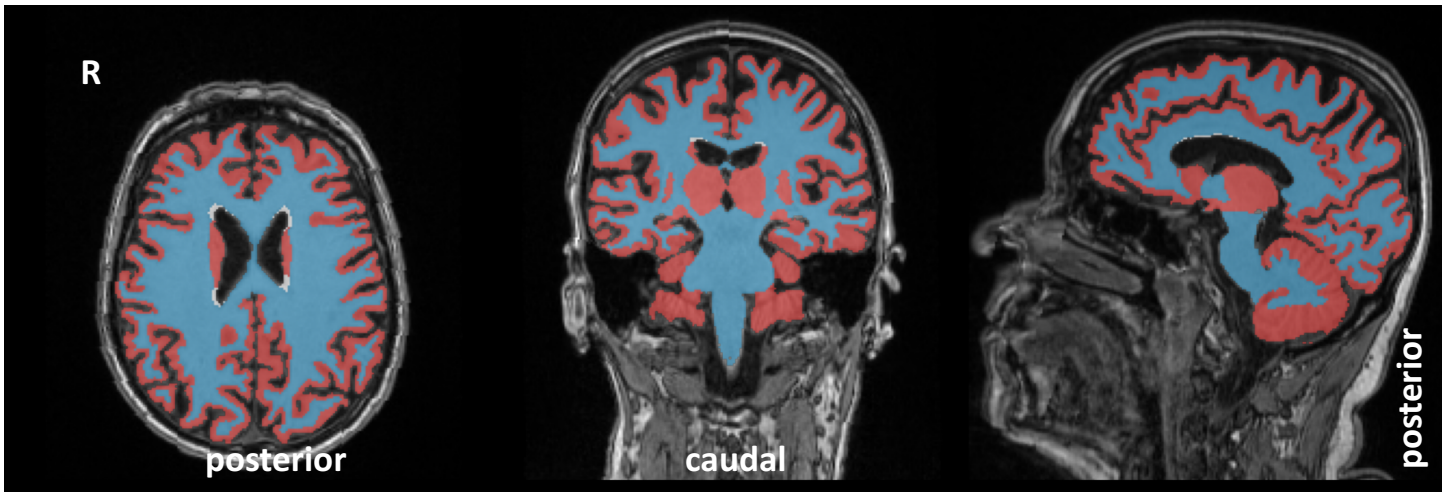
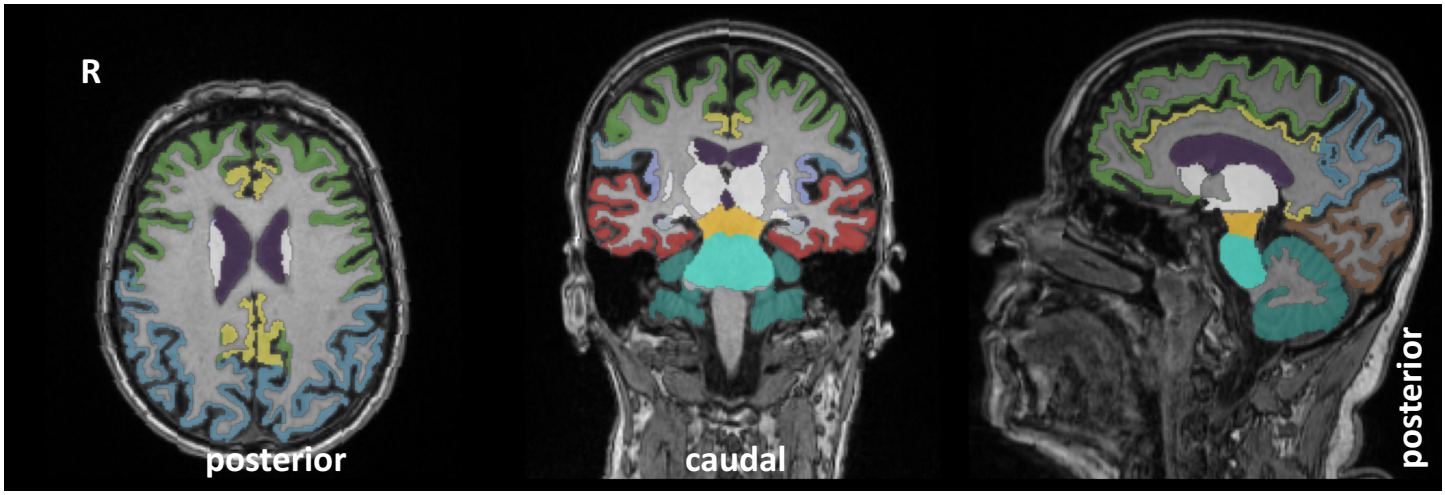
Standardized Slices for Validation

Tissue classes coregistered to the original T1 image



Anatomic labels coregistered to the original T1 image



The segmented tissue classes and anatomical labels must be correctly displayed on the anatomy of the original T1 image.

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Customer Notice

Dear Customer,

Thank you for choosing AIRAscore.

We would like to point out that a comparability of the present evaluation results cannot be guaranteed if the underlying image data originate from different MR scanners or were acquired with different MR sequences.

The automated quantitative evaluation of brain structures can only support, but not replace, the assessment by a qualified physician (specialist).

Regarding the lobe anatomy, we point out that hippocampus is reported as a separate structure. It is not included in the gray matter volume data for the frontal, parietal and temporal lobes.

For measurement accuracy of the reported volumes, please refer to instructions for use.

AIRAmed does not give any warranty for assessments or diagnoses derived from the results of the report.

The results of this report must be checked by a qualified physician (specialist) for plausibility and correctness. Further instructions regarding this can be found in our instructions for use.

To receive a printed version of the instructions for use within 7 days, please contact service@airamed.de.

Do you have any questions or suggestions? As a young, medium-sized company with a university background, we are always open to and grateful for suggestions for improvement.

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LOT	v2.4.0		
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