



CorTechs Labs
Product Portfolio - 2020

Better insight through quantitative imaging



CORTECHS Labs

NeuroQuant | LesionQuant | PETQuant | CT CoPilot

Looking for evidence of brain volume loss?

NeuroQuant® Age Related Atrophy Report

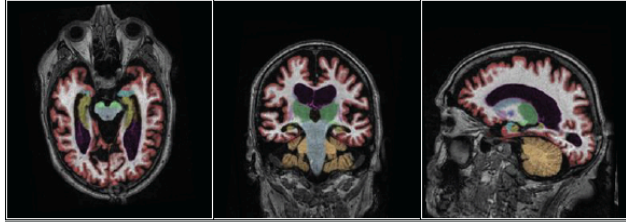
CorTechs Labs, Inc
4690 Executive Drive, Suite 250
San Diego, CA
858-459-9700

PATIENT INFORMATION Version 3.0.0

Patient ID:	Patient Name:	Sex: M	Age: 79	Referring Physician:
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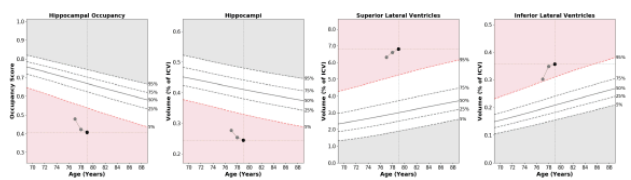
SCAN INFORMATION	
Scan Date:	Accession Number:

MORPHOMETRY RESULTS



Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile
Hippocampal Occupancy Score (HOC)	0.41	N/A	1
Hippocampi	4.52	0.25 (0.33 - 0.48)	1
Superior Lateral Ventricles	125.44	6.81 (1.88 - 5.25)	99
Inferior Lateral Ventricles	6.57	0.36 (0.15 - 0.31)	98

AGE-MATCHED REFERENCE CHARTS



*The Hippocampal Occupancy Score is defined as ((Left Hippocampal Volume / (Left Hippocampal Volume + Left ILV Volume)) + (Right Hippocampal Volume / (Right Hippocampal Volume + Right ILV Volume))) / 2.0

NeuroQuant® Triage Brain Atrophy Report

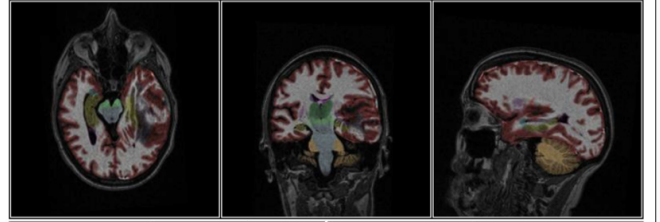
CorTechs Labs, Inc
4690 Executive Dr.
Suite 250
San Diego, CA
858-459-9700

PATIENT INFORMATION Version 3.0.0

Patient ID:	Patient Name:	Sex: F	Age: 63	Referring Physician:
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SCAN INFORMATION	
Scan Date:	Accession Number:

MORPHOMETRY RESULTS



Structure	Total Volume (cm ³)			Percentile	Cortical Brain Regions		
	Left	Right	Total		Left	Right	Total
Intracranial Volume	1579		78		99	19	89
Whole Brain	1286		99		99	31	82
Forebrain Parenchyma	1144		99		76	54	68
Total Volumes				Percentiles			
	Left	Right	Total				
Cerebral White Matter	98	99	99		99	9	88
Cerebral Gray Matter	99	19	96		99	14	31
Ventricles	6	20	11		24	40	33
Cerebral WM Hypointensities*	99	1	99		95	80	92
Subcortical Structures					99	14	99
Cerebellar White Matter	10	11	10		99	19	93
Cerebellar Gray Matter	16	18	17		99	46	98
Brainstem	-	-	67		99	45	91
Thalamus	53	87	75		63	9	29
Ventral Diencephalon	72	80	77		89	42	71
Basal Ganglia					99	22	99
Putamen	3	15	7		40	10	22
Caudate	1	17	1		27	3	10
Nucleus Accumbens	96	96	97		52	33	42
Pallidum	1	25	6		99	53	99
Cingulate	85	69	79		99	43	99
Anterior Cingulate	90	92	93		87	85	89
Posterior Cingulate	84	61	75		98	6	66
Isthmus Cingulate	40	8	21		99	59	98
					99	28	80
					78	80	83
					95	63	88
					30	96	75
					99	67	98

*White matter hypointensities are abnormally low signal intensity regions within white matter as observed on a T1-weighted MRI scan.

NeuroQuant® Multi Structure Atrophy Report

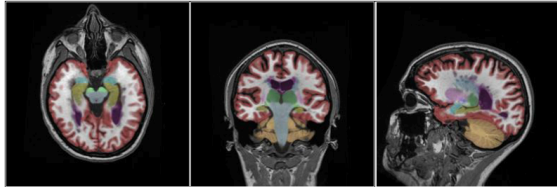
CorTechs Labs, Inc
4690 Executive Drive, Suite 250
San Diego, CA
858-459-9700

PATIENT INFORMATION Version 3.0.0

Patient ID:	Patient Name:	Sex: F	Age: 34	Referring Physician:
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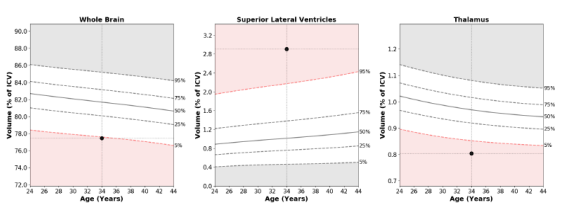
SCAN INFORMATION	
Scan Date:	Accession Number:

MORPHOMETRY RESULTS (1 of 2)



Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile
Whole Brain	1201.05	77.46 (77.59 - 85.18)	5
Superior Lateral Ventricles	45.14	2.91 (0.46 - 2.17)	99
Thalamus	12.46	0.80 (0.85 - 1.08)	1

AGE-MATCHED REFERENCE CHARTS



NeuroQuant® Hippocampal Asymmetry Report

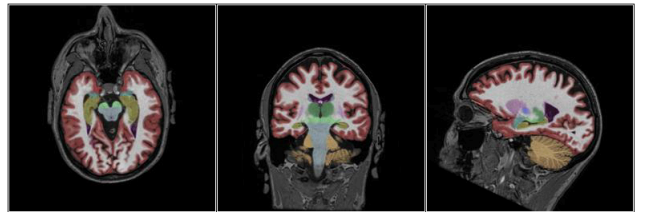
CorTechs Labs, Inc
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PATIENT INFORMATION Version 3.0.0

Patient ID:	Patient Name:	Sex: F	Age: 43	Referring Physician:
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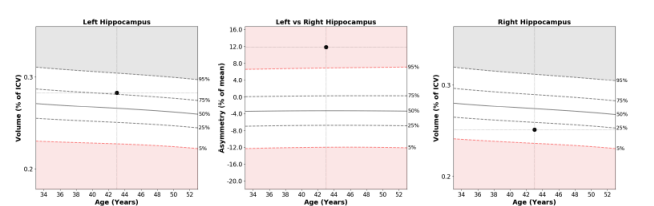
SCAN INFORMATION	
Scan Date:	Accession Number:

MORPHOMETRY RESULTS



Hippocampus	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile
Left	3.99	0.28 (0.23 - 0.30)	78
Right	3.54	0.25 (0.24 - 0.31)	16
Left-Right Asymmetry Index*: 11.8			
			99

AGE-MATCHED REFERENCE CHARTS



*The Asymmetry Index is defined as the percentage difference between left and right volumes divided by their mean.

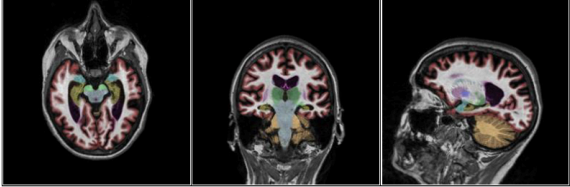
NeuroQuant® Brain Development Report

CorTechs Labs, Inc.
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PATIENT INFORMATION Version 3.0.0
 Patient ID: Patient Name: Sex: Age: Referring Physician:
 F 14

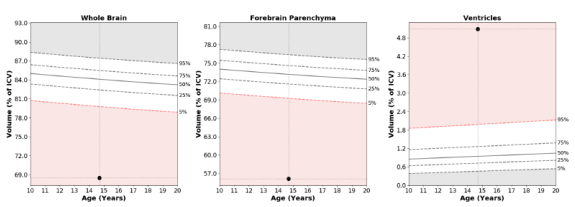
SCAN INFORMATION
 Scan Date: Accession Number:

MORPHOMETRY RESULTS (1 of 2)



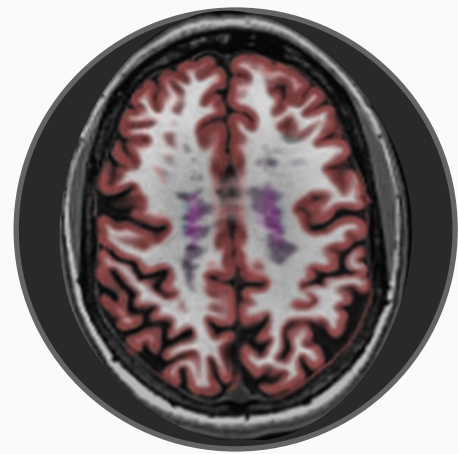
Brain Structure	Volume (cm ³)	% of ICV (5%-95% Normative Percentile)	Normative Percentile
Intracranial Volume (ICV)	1345.21	N/A	22
Whole Brain	921.48	68.50 (79.78 - 87.43)	1
Forebrain Parenchyma	755.44	56.16 (69.25 - 76.37)	1
Ventricles	68.32	5.08 (0.46 - 1.98)	99

AGE-MATCHED REFERENCE CHARTS



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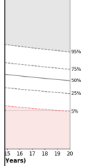
CorTechs Labs, Inc.
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858-459-9700

Version 3.0.0

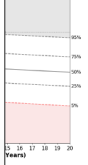
SI:

Native Percentile
1
1
3
1
5
96

Frontal Lobes



Putamen



NeuroQuant

Atrophy, Quantified.

www.cortechslabs.com/neuroquant



Fast, accurate, and automated quantitative 3D T1 MRI analysis for clinical and research use



Proven and consistent brain structure segmentation and volume measurement



Five standard volumetric reports provide supplemental information for the assessment of neurological conditions



Custom volumetric report allows users to create individually tailored NeuroQuant reports relevant to clinical cases or research



Instant insight with norms for ages 3 to 100 years



Dynamic Atlas technology: patented, precise, personalized brain segmentation



Ongoing disease progression monitoring with longitudinal tracking and change visualization

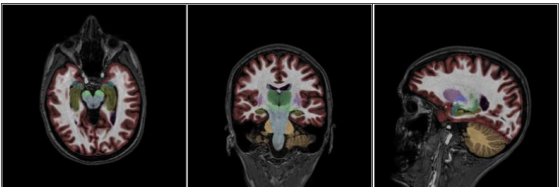
NeuroQuant® Custom Volumetric Report

CorTechs Labs, Inc.
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858-459-9700

PATIENT INFORMATION Version 3.0.0
 Patient ID: Patient Name: Sex: Age: Referring Physician:
 F 19

SCAN INFORMATION
 Scan Date: Accession Number: Reference Description:

MORPHOMETRY RESULTS



Brain Structure	Volume (cm ³)	% of ICV (5%-95% Reference Percentile)	Reference Percentile
Cerebellum	149.19	9.60 (8.27 - 10.46)	63
Whole Brain	1231.48	79.27 (78.97 - 86.65)	6
Hippocampi	7.68	0.49 (0.50 - 0.67)	4
Caudates	7.39	0.48 (0.39 - 0.55)	62
Frontal Lobes	221.11	14.23 (13.68 - 16.54)	14
Nuclei Accumbens	1.79	0.11 (0.08 - 0.14)	64
Superior Lateral Ventricles	14.76	0.95 (0.36 - 1.83)	63
Amygdalae	3.84	0.25 (0.24 - 0.35)	9
Putamens	14.01	0.90 (0.83 - 1.11)	26

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Add comprehensive FLAIR lesion data to aid in disease progression monitoring


LesionQuant


Lesions, Quantified.

www.cortechslabs.com/lesionquant


 Count and volume for total, new, active, and enlarging lesions


 Combines T2 FLAIR with 3D T1 MR images for improved lesion identification

 FLAIR lesion segmentation visualization color-coded by anatomical location and individual lesion

 Lesion volume change visualization from a prior scan

 Spatially aligned and reconstructed 3D T1 and FLAIR images

 Lesion burden calculation, lesion size distribution and anatomical lesion distribution

 Brain structure segmentation and volume measurements

LesionQuant™
 FLAIR Lesion Report PLUS

CorTechs Labs, Inc
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 San Diego, CA
 858-459-9700

Version 3.0.0


SCAN INFORMATION		LESION DETECTION THRESHOLDS					
Scan Date	Accession Number	Size	Separation	Infratentorial	Leukocortical	Periventricular	White Matter
	1	4 mm ³	1 mm	1.0	1.0	1.0	1.0

MORPHOMETRY RESULTS

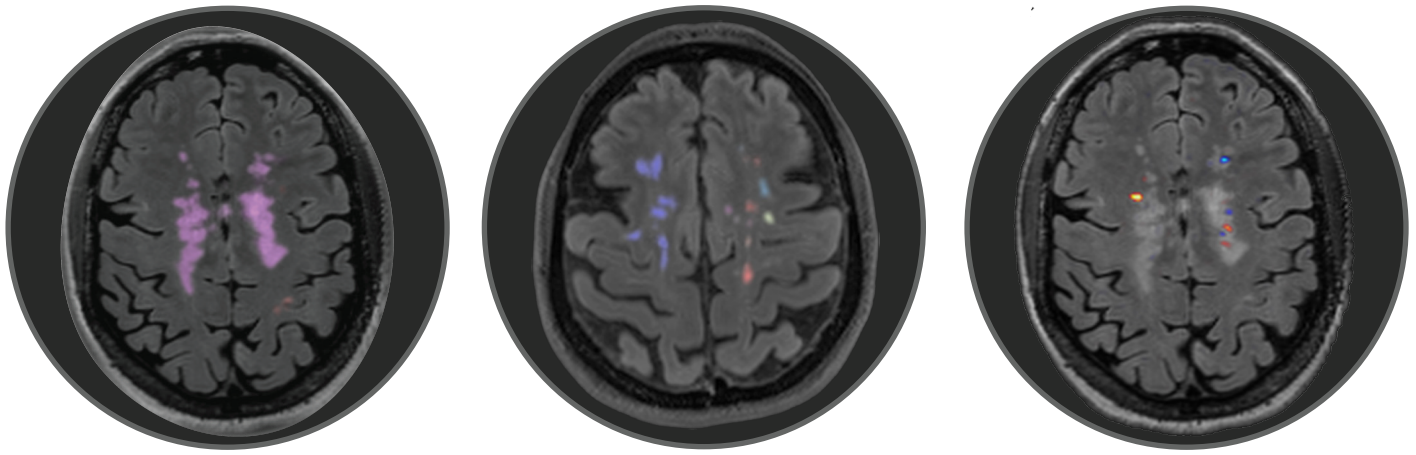
Brain Structure	Volume (cm ³)	% ICV	Normative Percentile
Whole Brain	963.99	74.02	1
Superior Lateral Ventricles	28.29	2.17	87
Thalamus	9.43	0.72	1
Cortical Gray Matter	343.74	26.39	1
Cerebral White Matter	414.03	31.79	81
3rd Ventricle	1.58	0.12	82
Hippocampi	6.97	0.54	56
Inferior Lateral Ventricles	1.26	0.10	79

	Total Lesions	Leukocortical	Periventricular	Infratentorial	Deep White
Volume (cm ³)	32.33	1.02	29.71	0.32	1.27
Count	89	23	9	3	54
Lesion Burden (%)	7.81				

A NeuroQuant® Product



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LesionQuant™ FLAIR Lesion Report PLUS

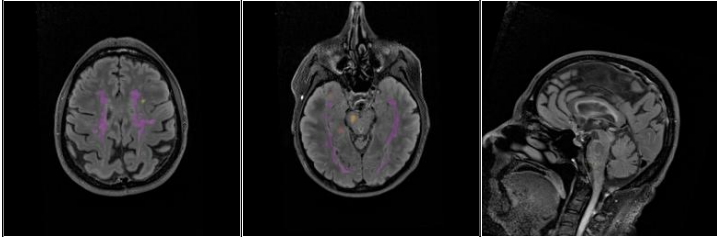
CorTechs Labs, Inc
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San Diego, CA 92121
858 459 9700

PATIENT INFORMATION Version 3.0.0

Patient ID:	Patient Name:	Sex:	Age:	Referring Physician:
		F	52	

SCAN INFORMATION		LESION DETECTION THRESHOLDS					
Scan Date	Accession Number	Size	Separation	Infratentorial	Leukocortical	Periventricular	White Matter
1		3 mm ²	1 mm	0.1	0.05	1.0	0.05
1		3 mm ²	1 mm	0.1	0.05	1.0	0.05

MORPHOMETRY RESULTS



Brain Structure	Volume (cm ³)	Change	% ICV	Change	Normative Percentile	Change
Whole Brain	966.52	-3.45	74.24	-0.01	2	0
Superior Lateral Ventricles	28.08	0.04	2.16	0.01	87	0
Thalamus	9.73	-0.14	0.75	-0.01	1	0
Cortical Gray Matter	353.95	11.46	27.19	0.97	1	0
Cerebral White Matter	401.54	-16.20	30.84	-1.14	61	22
3rd Ventricle	1.59	0.00	0.12	0.00	83	0
Hippocampi	7.43	0.24	0.57	0.02	83	-15
Inferior Lateral Ventricles	1.19	-0.06	0.09	-0.00	73	5

LESION RESULTS	Total Lesions	Leukocortical	Periventricular	Infratentorial	Deep White
Volume (cm ³)	34.96	1.33	31.36	0.79	1.48
Count	134	46	8	14	66
Lesion Burden (%)	8.71 (1 0.15)				

LESION DYNAMICS*	Total Lesions	Leukocortical	Periventricular	Infratentorial	Deep White
Counts (Change Volume)					
New	4 (0.05 cm ³)	1 (0.01 cm ³)	-	2 (0.02 cm ³)	1 (0.02 cm ³)
Active	5 (0.76 cm ³)	1 (0.02 cm ³)	1 (0.59 cm ³)	2 (0.13 cm ³)	1 (0.02 cm ³)
Resolving	9 (2.09 cm ³)	1 (0.65 cm ³)	1 (0.71 cm ³)	3 (0.04 cm ³)	4 (0.68 cm ³)

Lesion Change Summary
The scan acquired on **2015-09-21** has a **Total Lesion Volume of 34.96 cm³** comprised of **134** lesions. The total **Lesion Burden % increased 0.15% to 8.71%** of the total cerebral white matter.
Compared to the scan acquired on **2015-04-16**:
4 NEW lesions detected in the *Leukocortical, Infratentorial, Deep White* region(s), the total new lesion volume is **0.05 cm³**.
5 ACTIVE lesions detected in the *Leukocortical, Periventricular, Infratentorial, Deep White* region(s), the total active lesion volume is **0.76 cm³**.
9 RESOLVING lesions detected in the *Leukocortical, Periventricular, Infratentorial, Deep White* region(s), the total resolving lesion volume is **2.09 cm³**.

*Lesion Dynamics are calculated using change in T1 and T2 FLAIR signal intensities. The number of active (enlarging or enhancing) and resolving (shrinking or dimming) lesions may affect lesion count. Changes in lesion characteristics such as separation or confluence of existing lesions may affect the lesion count.

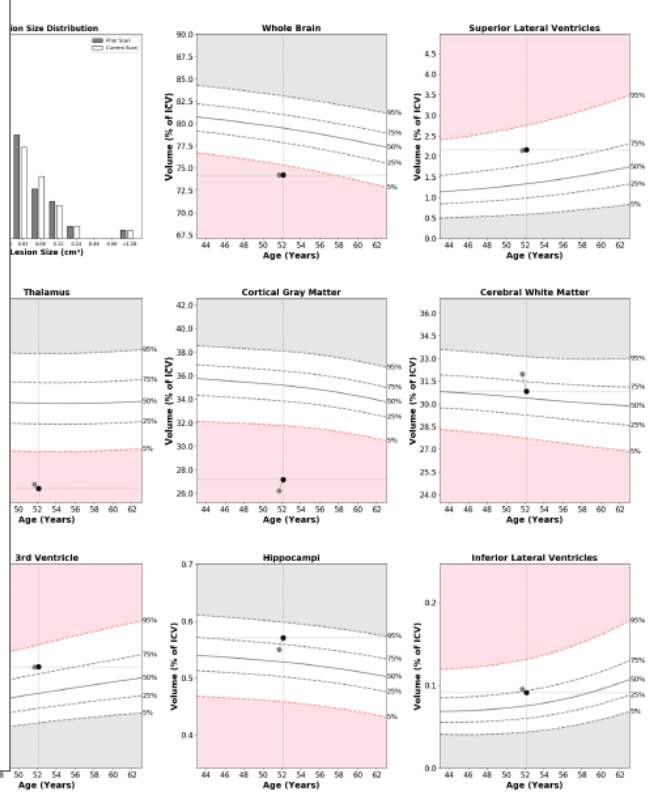
LesionQuant™ FLAIR Lesion Report PLUS

CorTechs Labs, Inc
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858 459 9700

PATIENT INFORMATION Version 3.0.0

Patient Name:	Sex:	Age:	Referring Physician:
	F	52	

ATTACHED REFERENCE CHARTS



Quantify subregional tracer binding in native brain space

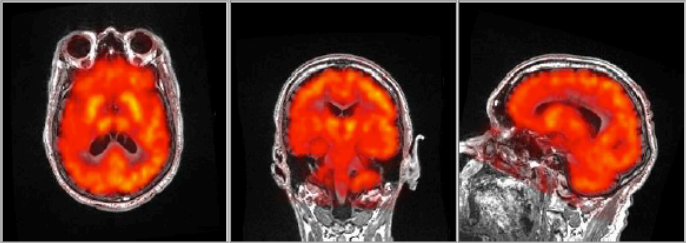
PETQuant™
 PET FDG Report

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 San Diego, CA 92121
 support@cortechslabs.com

PATIENT INFORMATION

Patient ID:	Patient Name:	Sex:	Age:
Accession Number:	Referring Physician:	M	85
		Exam Date:	

PET QUANTIFICATION RESULTS



Brain Structure	LI Value	LI Z-score	RI Value	RI Z-score	Brain Structure	LI Value	LI Z-score	RI Value	RI Z-score
White Matter	1.1850	0.1333	1.2270	0.6000	Lingual	1.3230	-1.8879	1.1870	-3.0603
Grey Matter	1.1170	-1.2000	1.2200	0.2714	Medialorbitofrontal	1.2580	-1.8804	1.1480	-3.0761
Cerebellar Gray Matter	1.2200	-2.0441	1.0720	-4.2206	Middletemporal	0.8940	-5.8037	1.0060	-4.7570
Hippocampus	1.0530	-1.0606	0.9980	-1.8939	Parahippocampal	0.9660	-2.2069	1.2250	0.7701
Amygdala	0.9920	-0.9403	1.1250	1.0448	Paracentral	1.3370	-1.9818	1.3510	-1.8545
Thalamus	1.3580	-0.2889	1.2460	-1.5862	Parapericulate	1.2290	-3.7757	1.2310	-3.7570
Caudate	1.3010	-0.3053	0.9350	-3.0992	Parorbital	0.9800	-5.1077	1.1800	-3.5692
Putamen	1.0980	-0.4759	1.5170	-1.7241	Parotemporal	1.0230	-5.7434	1.0840	-5.2035
Pallidum	1.4300	0.7521	1.5310	1.6154	Pericalcarine	1.5950	-1.5756	1.5080	-2.814
Ventral Diencephalon	0.9410	-2.4444	1.1640	-2.5111	Postcentral	1.0480	-4.7143	1.2520	-2.2245
Nucleus Accumbens	1.3740	-1.4310	1.3860	-1.3276	Posteriorcingulate	1.2320	-2.9051	1.3630	-1.9489
Brainstem	1.0000	0.0000	1.0000	0.0000	Precentral	1.1650	-3.8611	1.2950	-2.6574
Banksta	1.3720	-1.7059	1.3660	-1.7563	Superiorfrontal	1.3280	-1.9127	1.1480	-3.3413
Caudalmidfrontal	1.2440	-1.0940	1.2500	-1.0134	Superiortemporal	1.0060	-3.9314	1.1110	-2.9020
Corpuscallosum	1.0140	-2.4304	1.0600	-1.8481	Supramarginal	1.1600	-3.7885	1.0450	-4.8942
Cuneus	1.4860	-1.6250	1.0780	-4.8125	Frontalpole	0.6350	-6.6014	1.1980	-2.7973
Entorhinal	0.8850	-1.4634	0.7070	-2.9024	Fusiform	0.8300	-2.3483	1.0130	-0.2921
Fusiform	0.9920	-1.1250	1.2700	-1.2292	Fusoveisrontemporal	1.3860	-2.3624	1.4110	-2.8851
Inferiorfrontal	1.2340	-3.3182	0.9750	-5.2803	Fusiform	1.3630	-3.1716	1.4370	-2.6194
Inferiorparietal	0.9200	-5.3542	1.0260	-4.2500	Insulamidfrontal	1.3800	0.5200	1.1570	-4.6533
Inferiorcingulate	1.1980	-4.4792	1.3860	-2.5208	Insulamidfrontal	1.1600	-4.0408	1.2030	-3.7483
Lateraloccipital	1.0530	-4.1194	0.8370	-5.7313	Superiorfrontal	1.1740	-3.4252	1.3030	-2.4094
					Lateralorbitofrontal	1.1500	-3.3475	1.2250	-2.9899

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 All values have been normalized by the mean signal in the brainstem.


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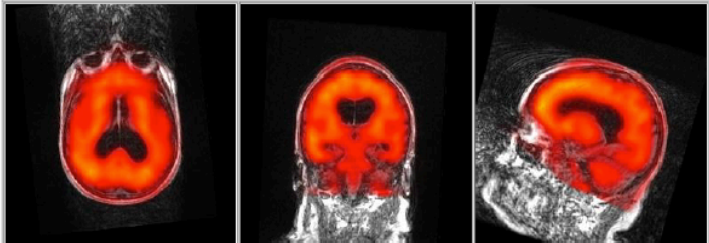
PETQuant™
 PET Flortbetapir Report

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 San Diego, CA 92121
 support@cortechslabs.com

PATIENT INFORMATION

Patient ID:	Patient Name:	Sex:	Age:
Accession Number:	Referring Physician:	F	59
		Exam Date:	

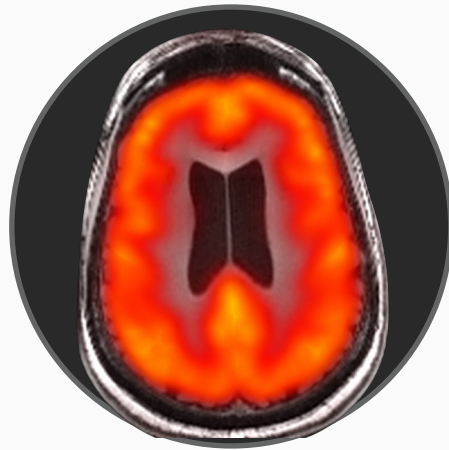
PET QUANTIFICATION RESULTS



Brain Structure	LI Value	LI Z-score	RI Value	RI Z-score	Brain Structure	LI Value	LI Z-score	RI Value	RI Z-score
White Matter	1.7400	-0.0388	1.6560	-0.4466	Lingual	1.1190	1.0709	1.3010	2.5039
Grey Matter	1.3530	2.6992	1.4180	3.2276	Medialorbitofrontal	1.8060	5.6383	1.4600	3.1844
Cerebellar Gray Matter	0.9430	3.2903	0.8750	1.0968	Middletemporal	1.3550	2.3712	1.4950	3.4318
Hippocampus	0.9110	-1.1446	0.8880	-1.2831	Parahippocampal	0.9760	0.2387	1.8800	1.1774
Amygdala	0.9020	-0.6510	1.1770	1.1946	Paracentral	1.5060	5.7000	1.3550	3.8125
Thalamus	1.3550	0.2381	1.1670	-0.6571	Parapericulate	1.4640	3.6296	1.8910	5.6847
Caudate	1.4350	2.4797	1.3540	1.9324	Parorbital	1.4640	3.0229	1.4220	2.8307
Putamen	1.8300	3.1687	1.8120	3.0606	Parotemporal	1.4340	2.9160	1.4790	3.2941
Pallidum	1.5610	0.1024	1.6560	0.5689	Pericalcarine	1.5880	1.9933	1.5200	2.0733
Ventral Diencephalon	1.0800	-1.9045	1.3230	-0.6834	Postcentral	1.3950	3.2500	1.3650	2.9615
Nucleus Accumbens	1.7490	4.9868	1.4510	3.0263	Posteriorcingulate	1.7800	6.6702	1.6330	5.1064
Brainstem	1.1340	-2.7087	1.1340	-2.7087	Precentral	1.4650	3.9467	1.4270	3.7500
Banksta	2.2320	4.0059	1.9700	3.6391	Superiorfrontal	1.5770	4.6000	1.1870	1.2087
Caudalmidfrontal	1.5840	8.1048	1.8890	7.2000	Superiortemporal	1.2870	2.0859	1.5140	3.8594
Corpuscallosum	1.7130	7.3820	1.6740	6.7191	Supramarginal	1.5020	3.2619	1.4100	2.4921
Cuneus	1.6270	0.8675	1.5820	0.5695	Frontalpole	1.2400	1.6875	1.7860	5.4683
Entorhinal	1.4640	2.9486	0.8570	-1.4173	Fusiform	1.1810	2.3167	1.1080	1.7083
Fusiform	0.8640	-0.0727	0.8540	-0.1636	Fusoveisrontemporal	1.6210	3.4545	1.7838	4.6818
Inferiorfrontal	1.2600	2.0263	1.5540	4.6023	Fusiform	1.7460	5.4797	1.4780	3.1171
Inferiorparietal	1.6600	4.0662	1.3710	1.9412	Insulamidfrontal	1.9710	6.1286	1.6210	3.6286
Inferiortemporal	1.2950	1.7746	1.4720	3.0211	Insulamidfrontal	1.6520	5.1101	1.6170	4.7890
Inferiorcingulate	1.1010	0.0645	1.5360	3.5726	Superiorfrontal	1.7460	8.3563	1.7270	8.1379
Lateraloccipital	1.3030	1.2710	1.6510	-0.3548	Lateralorbitofrontal	1.6240	4.3629	1.4770	3.1774

PETQuant is licensed for research use only.
 All values have been normalized by the mean signal in the cerebellum.


CorTechs Labs, Inc. | cortechslabs.com



Automated and fast analysis of PET brain studies for ages 18+.

Choose between two tracers for either metabolic (FDG) or amyloid based (Florbetapir) analysis.

PETQuant

PET Studies, Quantified.

www.cortechslabs.com/petquant



Amyloid deposition and metabolism analysis based on tracer



Powered by NeuroQuant for trusted and proven brain segmentation analysis



Visual and statistical comparisons of each normalized regional brain tracer value compared to norms



Color overlay visualization of 3D T1 MR on PET images



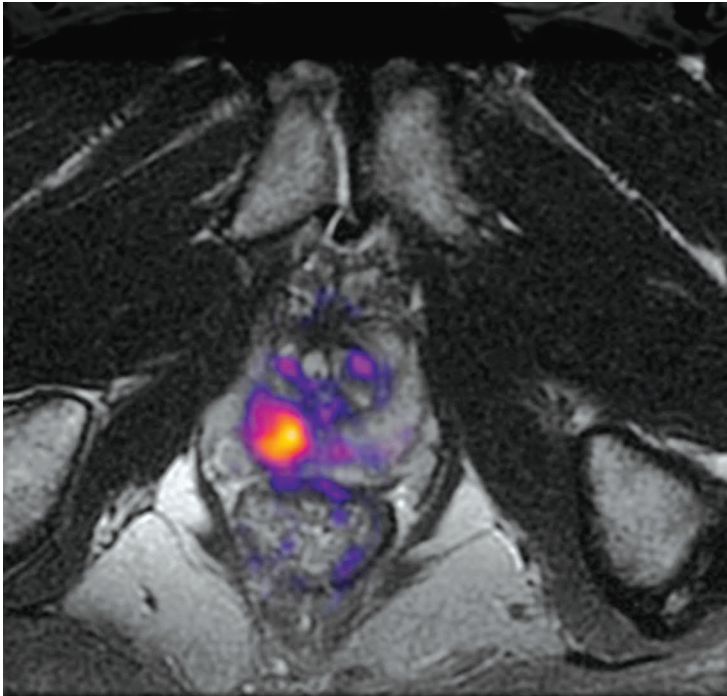
Online, research use software

RSI-MRI+ for Prostate

The newest advancement in diffusion MRI

www.cortechslabs.com/rsi-mri-prostate

RSI-MRI+ is FDA-cleared advanced imaging software that supports improved prostate cancer detection and diagnosis.



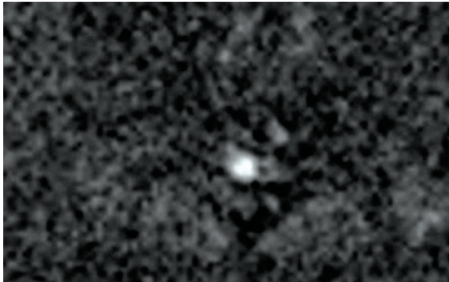
Using a patented advanced diffusion MRI technique called Restriction Spectrum Imaging, RSI-MRI+ leverages an innovative tissue microstructure model to improve visualization and quantification of restricted water compared to standard DWI.



RSI-MRI + Prostate is a HealthLytix product distributed by CorTechs Labs

RSI-MRI+ Features

The newest advancement in diffusion MRI



RESTRICTED SIGNAL MAP

Provides increased conspicuity of restricted diffusion compared to high b-value DWI.

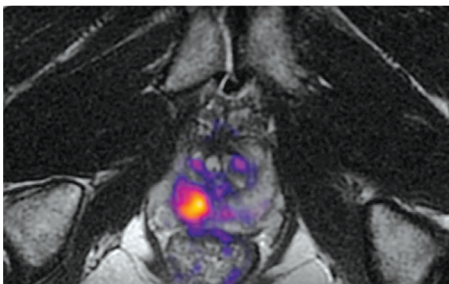
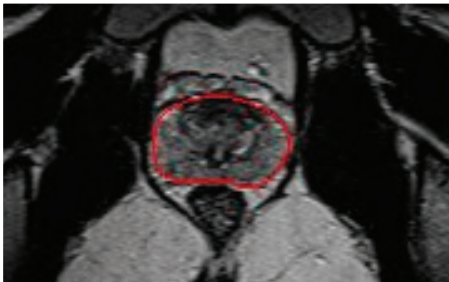


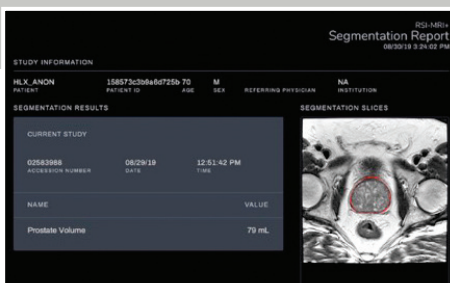
IMAGE FUSION

Automatically fuses the Restricted Signal Map with the anatomical T2-weighted image series to support anatomical localization.



PROSTATE SEGMENTATION

Automatically segments the prostate on anatomical T2-weighted images using an advanced deep learning algorithm.




QUANTITATIVE REPORT

Reports total prostate volume (ml) along with image segmentation results to verify segmentation accuracy.

RSI-MRI+ is FDA cleared for sales in the U.S.

Fast and accurate automated CT image analysis

CT CoPilot[®] is a quantitative imaging solution that improves workflow efficiency, measurement accuracy, and clinical confidence by providing consistent views of head CT exams and automated quantitative measurements.



CT COPILOT[®]
Quantitative Report
07/05/2018 7PM

STUDY INFORMATION

Doe, John PATIENT	ID0123456789 PATIENT ID	30 AGE	Male SEX	Dr. John Appleseed REFERRING PHYSICIAN	Hospital The Cure INSTITUTION
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QUANTITATIVE RESULTS

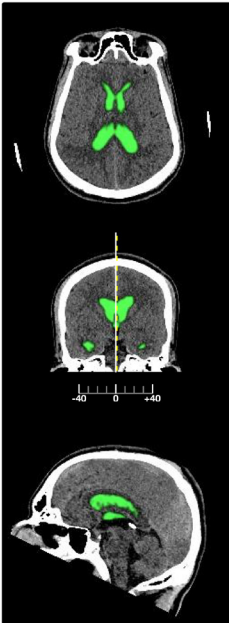
NAME	VALUE
Midline Shift Index _{MSI}	3.0 mm (L)
Total Intracranial Volume _{ICV}	1556.3 mL
Lateral Ventricle Volume _{LVV}	60.2 mL (3.9% ICV)
LVV Change vs. Prior ELAPSED TIME 3 HOURS AGO	-2.00 mL (-3.2%)

PRIOR STUDY

1234567889 ACCESSION NUMBER	07/05/2018 DATE	11:36 AM TIME
---------------------------------------	---------------------------	-------------------------

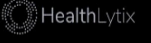
NAME	VALUE
Midline Shift Index _{MSI}	2.8 mm (L)
Total Intracranial Volume _{ICV}	1553.5 mL
Lateral Ventricle Volume _{LVV}	62.2 mL (4.0% ICV)

SEGMENTATION RESULTS



HEALTHLYTX
4747 EXECUTIVE DR, SUITE 820
SAN DIEGO, CA 92121
SUPPORT@HEALTHLYTX.COM

VERSION 1.3.2
CASE ID 4893CAF-74FC-4957-9A4D-C8952311201A
SERIAL 48E6C9D6-74DD-11E8-9EEC-0242AC110093
UUID 4893CAF-74FC-4957-9A4D-C8952311201A



CT COPILOT[®]
Quantitative Report
11/10/2018 1:10 AM

STUDY INFORMATION

Example005 PATIENT	Example005 PATIENT ID	44 AGE	F SEX	Doctor REFERRING PHYSICIAN	Hospital INSTITUTION
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QUANTITATIVE RESULTS

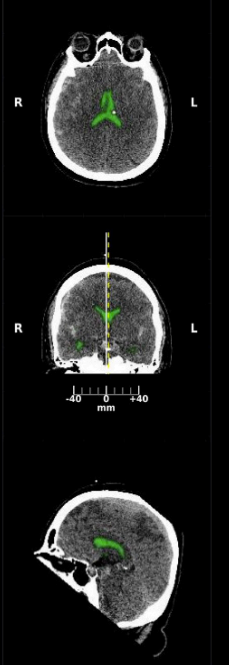
NAME	VALUE
Midline Shift Index _{MSI}	2.7 mm (L)
Total Intracranial Volume _{ICV}	1251.0 mL
Lateral Ventricle Volume _{LVV}	19.5 mL (1.6% ICV)
LVV Change vs. Prior	-9.20 mL (-32.1%)

PRIOR STUDY

10000007 ACCESSION NUMBER	03/16/2016 DATE	6:31 PM TIME
-------------------------------------	---------------------------	------------------------

NAME	VALUE
Midline Shift Index _{MSI}	2.8 mm (L)
Total Intracranial Volume _{ICV}	1246.0 mL
Lateral Ventricle Volume _{LVV}	28.7 mL (2.3% ICV)

SEGMENTATION RESULTS



HEALTHLYTX
4747 EXECUTIVE DR, SUITE 820
SAN DIEGO, CA 92121
SUPPORT@HEALTHLYTX.COM

VERSION 1.5.0
CASE ID 801745E-893C-11E8-A0E2-0242AC110093
SERIAL 89721C49-E9CB-11E8-905E-17ABDC117732
GTIN 00800000304800



Seamlessly integrate
CT CoPilot into your
existing workflow

CT CoPilot

Head CT Scans, Quantified

www.cortechslabs.com/ct-copilot/



Automatically registers head CT images to an anatomical atlas and generates orthogonally aligned reformatted images

Improve radiologist
productivity and
efficiency and
enhance clinical
decision-making



Co-registers current and prior exams and generates a subtraction series for improved conspicuity over time



Automatically segments and quantifies lateral ventricle volume, calculates a midline shift index, and reports change over time

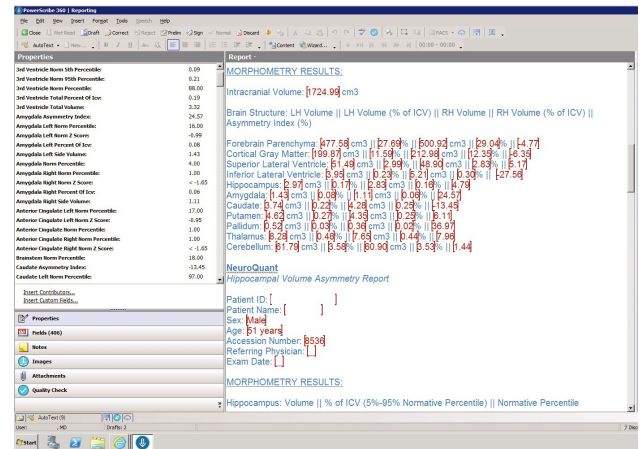
Optional

Enhance the clinical review process

PowerScribe 360 Integration

Automated quantitative MRI analysis with efficient data-rich reporting.

- NeuroQuant and LesionQuant data is pre-populated into PowerScribe® 360 prior to report dictation
- Save time dictating numeric data from NeuroQuant and LesionQuant
- Reduce the likelihood of transcription errors
- Works with online and installed NeuroQuant v 2.0 (and greater) systems



PowerScribe is a registered trademark of Nuance Communications, Inc.

CSV Output File

Automated quantitative MRI analysis with efficient data-rich reporting.

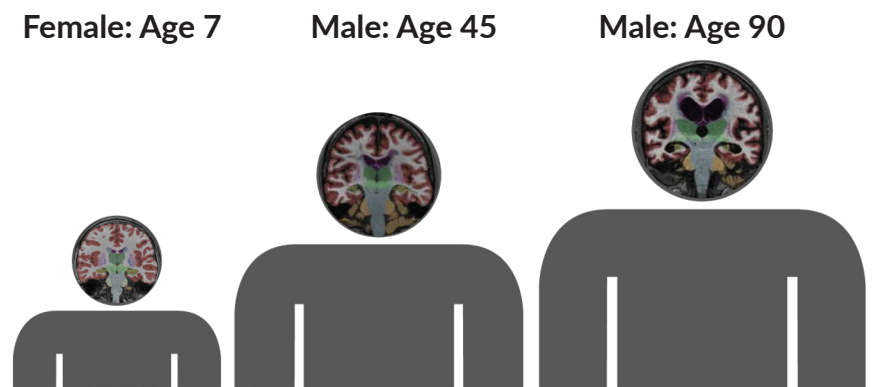
- Output includes normative data
- Over 1200 columns of brain structures data for NeuroQuant
- Over 150 brain structures and lesion data for LesionQuant

	A	B	C	D	E	F	H	I	J	K	L	M
1	Patient Name	Patient ID	Patient Sex	Patient Age	Date of Exam	Norms Description	Amygdala Total Volume	Amygdala Left Side Volume	Amygdala Right Side Volume	Amygdala Total Percent Of Icv	Amygdala Left Percent Of Icv	Amygdala Right Percent Of Icv
2	Anonymous 1	Anonymous 1	F	43	7/14/2016	NeuroQuant Default Normative Database	3.146	1.638	1.508	0.2209	0.115	0.105
3	Anonymous 2	Anonymous 2	F	20	7/5/2016	NeuroQuant Default Normative Database	4.059	2.123	1.936	0.2432	0.1272	0.111
4	Anonymous 3	Anonymous 3	F	43	2/23/2016	NeuroQuant Default Normative Database	3.4	1.677	1.723	0.22	0.1085	0.111
5	Anonymous 4	Anonymous 4	F	43	2/23/2016	NeuroQuant AD Reference Database	3.4	1.677	1.723	0.22	0.1085	0.111
6	Anonymous 5	Anonymous 5	M	19	6/19/2006	NeuroQuant Default Normative Database	3.914	2.025	1.889	0.2521	0.1304	0.121
7	Anonymous 6	Anonymous 6	M	53	12/6/2005	NeuroQuant Default Normative Database	2.909	1.463	1.463	0.1631	0.0811	0.08
8	Anonymous 7	Anonymous 7	F	63	7/11/2007	NeuroQuant Default Normative Database	3.289	1.432	1.857	0.2011	0.0876	0.113
9	Anonymous 8	Anonymous 8	M	38	12/27/2016	NeuroQuant AD Reference Database	3.348	1.785	1.563	0.2075	0.1106	0.096
10	Anonymous 9	Anonymous 9	M	55	9/26/2016	NeuroQuant Default Normative Database	3.005	1.638	1.367	0.2048	0.1116	0.093
11	Anonymous 10	Anonymous 10	M	65	3/19/2012	NeuroQuant Default Normative Database	2.467	1.23	1.237	0.1584	0.079	0.079
12	Anonymous 11	Anonymous 11	M	65	3/19/2012	NeuroQuant AD Reference Database	2.467	1.23	1.237	0.1584	0.079	0.079
13	Anonymous 12	Anonymous 12	M	65	3/19/2012	NeuroQuant MCI Reference Database	2.467	1.23	1.237	0.1584	0.079	0.079
14	Anonymous 13	Anonymous 13	F	78	4/17/2006	NeuroQuant Default Normative Database	2.624	1.453	1.171	0.193	0.1069	0.086
15	Anonymous 14	Anonymous 14	F	78	4/17/2006	NeuroQuant AD Reference Database	2.624	1.453	1.171	0.193	0.1069	0.086
16	Anonymous 15	Anonymous 15	F	78	4/17/2006	NeuroQuant MCI Reference Database	2.624	1.453	1.171	0.193	0.1069	0.086
17	Anonymous 16	Anonymous 16	M	79	3/5/2007	NeuroQuant Default Normative Database	2.958	1.461	1.497	0.1766	0.0872	0.089
18	Anonymous 17	Anonymous 17	M	79	3/5/2007	NeuroQuant Default Normative Database	2.958	1.461	1.497	0.1766	0.0872	0.089
19	Anonymous 18	Anonymous 18	M	79	3/5/2007	NeuroQuant AD Reference Database	2.958	1.461	1.497	0.1766	0.0872	0.089
20	Anonymous 19	Anonymous 19	M	79	3/5/2007	NeuroQuant MCI Reference Database	2.958	1.461	1.497	0.1766	0.0872	0.089

Dynamic Atlas

Personalized segmentation driven by advanced precision technology.

- Accurate and consistent brain segmentation in all subjects, accounting for age and sex
- Highly reproducible and robust quantitative volume assessment of brain regions
- Longitudinal evaluation of patient data without discontinuity
- Greater scan-to-scan precision for longitudinal follow-up

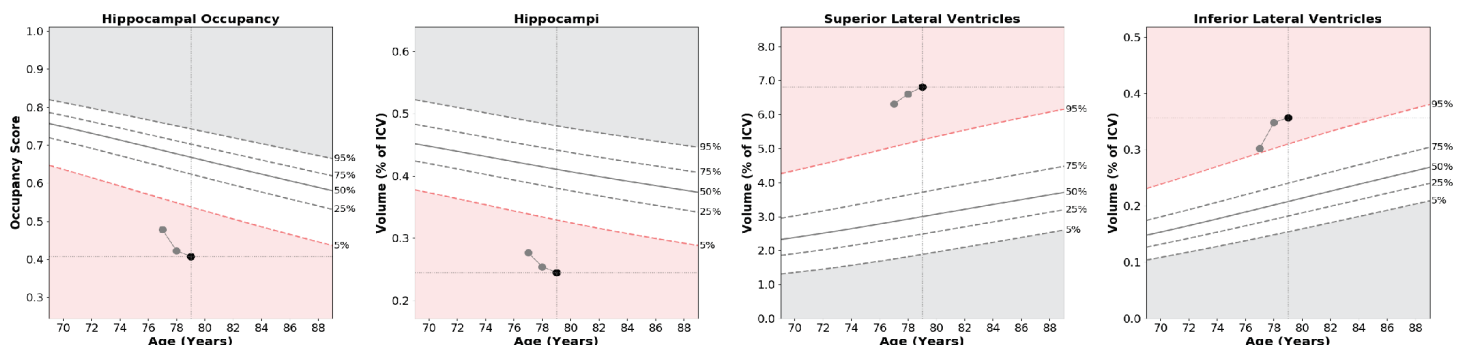


www.cortechslabs.com/whitepapers

Multi-Time Point Plotting

For easy longitudinal review.

- Ongoing evaluation overtime with longitudinal tracking to identify trends
- Included with volumetric reports
- Optional reproducibility bars indicate the reproducibility of the measurement for that particular structure



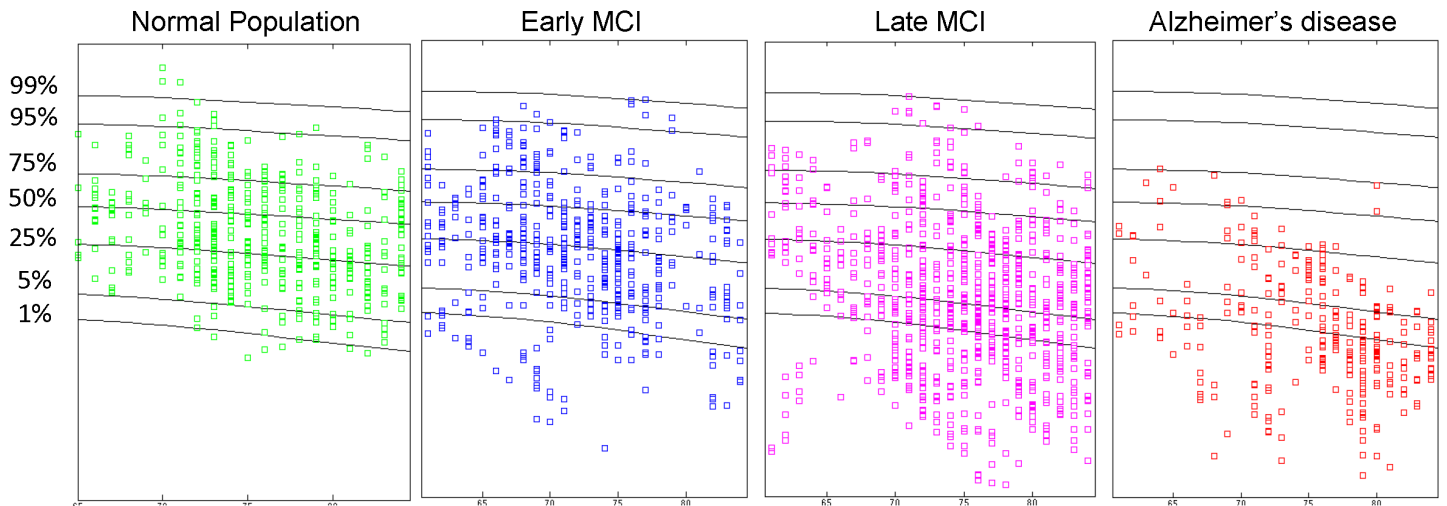
Features

driving CorTechs Labs' products.

Normative Reference Data

Compares patient brain volumes to age- and sex-matched healthy cohorts.

- An integral part of the NeuroQuant software
- Thoroughly vetted for over 10 years with more than a hundred thousand clinical cases
- Compiled from thousands of subjects in the normative reference database
- Provides continuous normative values for virtually all patients, from 3 to 100 years



Normative reference percentile curves show that the average of each of the data sets shift from close to 50th percentile curve (for normal population) to 5th percentile curve (for Late MCI) and about 1st percentile curve (for AD). This is consistent with the current understanding of hippocampal atrophy and Alzheimer's disease.

Alternative Reference Data

Compares patient brain volume results to MCI and AD reference data.

Not for clinical use

- Only available with NeuroQuant Custom Volumetric reports
- Comprised of scan data from male and female individuals who were diagnosed with MCI or AD
- Gives an alternative view of patient brain structure volumes for ages 55 to 100 years
- Provides clinicians with added information in evaluating disease progression

Compatible Scanners

Ensure accuracy and reliability of MR image segmentation with recommended and tested scanner settings for each CorTechs Labs product.

NeuroQuant 3D T1 MRI



- ✓ GE 1.5 T and 3.0 T scanners
- ✓ Philips 1.5 T and 3.0 T scanners
- ✓ Siemens 1.5 T and 3.0 T scanners
- ✓ Canon 1.5 T and 3.0 T scanners
- ✓ Hitachi 1.2 T, 1.5 T & 3.0 T scanners

LesionQuant T2 FLAIR MRI



- ✓ GE 1.5 T and 3.0 T scanners
- ✓ Philips 1.5 T and 3.0 T scanners
- ✓ Siemens 1.5 T and 3.0 T scanners
- ✓ Canon 1.5 T and 3.0 T scanners
- ✓ Hitachi 1.2 T, 1.5 T & 3.0 T scanners

PETQuant PET



- ✓ GE PET and PET/CT scanners
- ✓ Philips PET and PET/CT scanners
- ✓ Siemens PET and PET/CT scanners

www.cortechslabs.com/resources/scanner_setup

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Philips is a registered trademark of Koninklijke Philips N.V.
Siemens registered trademark of Siemens L&A.
Canon is a registered trademark of Canon Medical Systems Corporation.
Hitachi is a registered trademark of Hitachi Medical Corporation and HMSA, Inc.

System Options

Easy solutions to meet our customers' unique needs when using our products.

Secure Cloud-Based System

Users can log into the secure online system anytime, from virtually anywhere.

Two options are available to upload individual MRI series from any computer or device connected to the internet:

- **Via CTXNode:** a DICOM proxy that automates the process of uploading and sending results directly to your computer.

www.cortechslabs.com/resources/ctxnode

- **Via Manual Upload:** manually upload images from a CD to your online account and retrieve the results

www.cortechslabs.com/resources/manual-upload

Locally Installed System

Individual MRI scans are sent from the modality or integrated with existing PACS solution to a local network computer via the Installed System.

The locally installed solution is platform independent, operating on Mac, Windows or Linux (Ubuntu) based systems.

www.cortechslabs.com/resources/installed-system



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support@cortechslabs.com



WEBSITE

www.cortechslabs.com



BLOG

www.cortechslabs.com/blog



CORTECHS Labs
Better insight through quantitative imaging.

NeuroQuant® is the first FDA (510k) cleared, CE marked, and Canada, Australia, South Korea, and Brazil approved solution intended for the automatic labeling, visualization and volumetric quantification of segmentable brain structures and lesions from a set of 3D T1 MR images. Volumetric data may be compared to reference percentile data.

LesionQuant™ is a module of NeuroQuant.

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