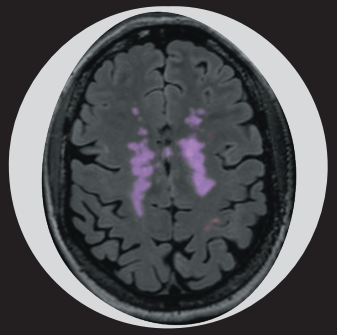
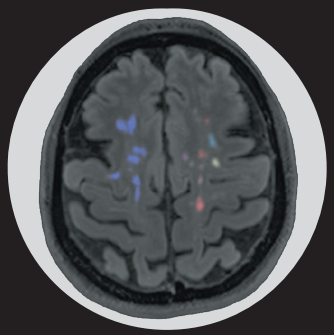
Colour-Coded FLAIR Lesion Overlay
on PACS or DICOM Viewer

Lesion Segmentation:

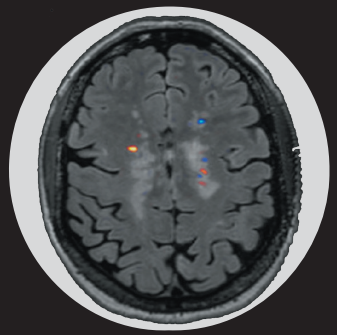
By Anatomical Region



By Individual Lesion



Lesion volume change from a prior scan, coloured by stable, active, and resolving lesion status



NeuroQuant MS available at:

CALOUNDRA
67 Bowman Road
Caloundra QLD 4551

MAROOCHYDORE
49 Baden Powell Street
Maroochydore QLD 4558

BOOKINGS

07 5436 0888

bookings@xrayimaging.com.au

xrayimaging.com.au

Partnering with cortechs.ai

FDA cleared and CE marked quantitative analysis solution

Published Sep 2024 V1.0

✓ FAST ✓ ACCURATE ✓ PROVEN

NeuroQuant MS

Lesions, Quantified.

X-RAY & IMAGING

X-RAY & IMAGING

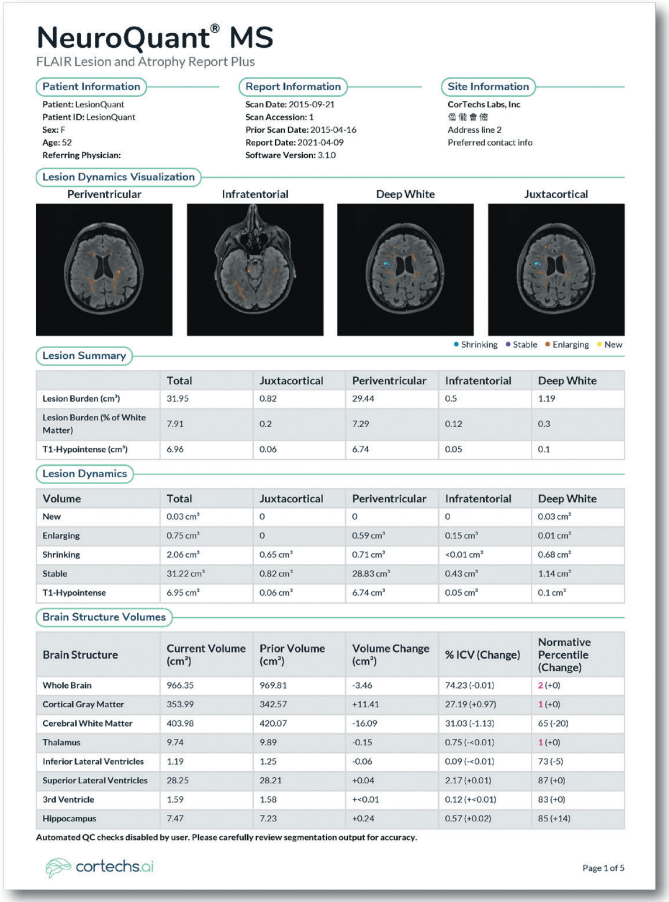
FAST AND ACCURATE FLAIR LESION QUANTIFICATION AND VISUALISATION WITH NeuroQuant MS

- Comprehensive FLAIR lesion segmentation and identification within minutes.
- Colour-coded slice-by-slice review of resolving, stable, or active lesions via FLAIR overlay available directly on your PACS or DICOM viewer.
- Precise quantitative measurements aid in clinical assessment, treatment planning, and disease progression monitoring.
- Verified, optimised, and trusted automated image analysis.

The NeuroQuant MS Difference

- Patented Dynamic Atlas™ provides personalised, precise, and accurate automatic anatomical segmentation, accounting for patient age, sex, and other variables.
- Fully automated, consistent, and reproducible results.
- Lesion change overlays to identify volume change and detect new, active, and resolving lesions.
- Anatomical segmentation overlay and brain volumes of 8 important regions compared to normative values for ages 3 to 100.
- Easy-to-read reports for single time point analysis and change analysis for lesion counts and lesion volumes.
- Summary of lesion results ready to be included in a physician's report.
- Combines information from 3D T1 and 2D or 3D FLAIR MR imaging.

FLAIR LESION AND ATROPHY REPORT



NeuroQuant® MS

FLAIR Lesion and Atrophy Report Plus

Patient Information
Patient: LesionQuant
Patient ID: LesionQuant
Sex: F
Age: 52
Referring Physician:

Report Information
Scan Date: 2015-09-21
Scan Accession: 1
Prior Scan Date: 2015-04-16
Report Date: 2021-04-09
Software Version: 3.1.0

Site Information
CorTechs Labs, Inc
Address line 2
Preferred contact info

Lesion Dynamics Visualization

Periventricular | Infratentorial | Deep White | Juxtacortical

• Shrinking • Stable • Enlarging • New

Lesion Summary

	Total	Juxtacortical	Periventricular	Infratentorial	Deep White
Lesion Burden (cm³)	31.95	0.82	29.44	0.5	1.19
Lesion Burden (% of White Matter)	7.91	0.2	7.29	0.12	0.3
T1-Hypointense (cm³)	6.96	0.06	6.74	0.05	0.1

Lesion Dynamics

Volume	Total	Juxtacortical	Periventricular	Infratentorial	Deep White
New	0.03 cm³	0	0	0	0.03 cm³
Enlarging	0.75 cm³	0	0.59 cm³	0.15 cm³	0.01 cm³
Shrinking	2.06 cm³	0.65 cm³	0.71 cm³	<0.01 cm³	0.68 cm³
Stable	31.22 cm³	0.82 cm³	28.83 cm³	0.43 cm³	1.14 cm³
T1-Hypointense	6.95 cm³	0.06 cm³	6.74 cm³	0.05 cm³	0.1 cm³

Brain Structure Volumes

Brain Structure	Current Volume (cm³)	Prior Volume (cm³)	Volume Change (cm³)	% ICV (Change)	Normative Percentile (Change)
Whole Brain	966.35	969.81	-3.46	74.23 (-0.01)	2 (+0)
Cortical Gray Matter	353.99	342.57	+11.41	27.19 (+0.97)	1 (+0)
Cerebral White Matter	403.98	420.07	-16.09	31.03 (-1.13)	65 (-20)
Thalamus	9.74	9.89	-0.15	0.75 (-<0.01)	1 (+0)
Inferior Lateral Ventricles	1.19	1.25	-0.06	0.09 (-<0.01)	73 (-5)
Superior Lateral Ventricles	28.25	28.21	+0.04	2.17 (+0.01)	87 (+0)
3rd Ventricle	1.59	1.58	+<0.01	0.12 (+<0.01)	83 (+0)
Hippocampus	7.47	7.23	+0.24	0.57 (+0.02)	85 (+14)

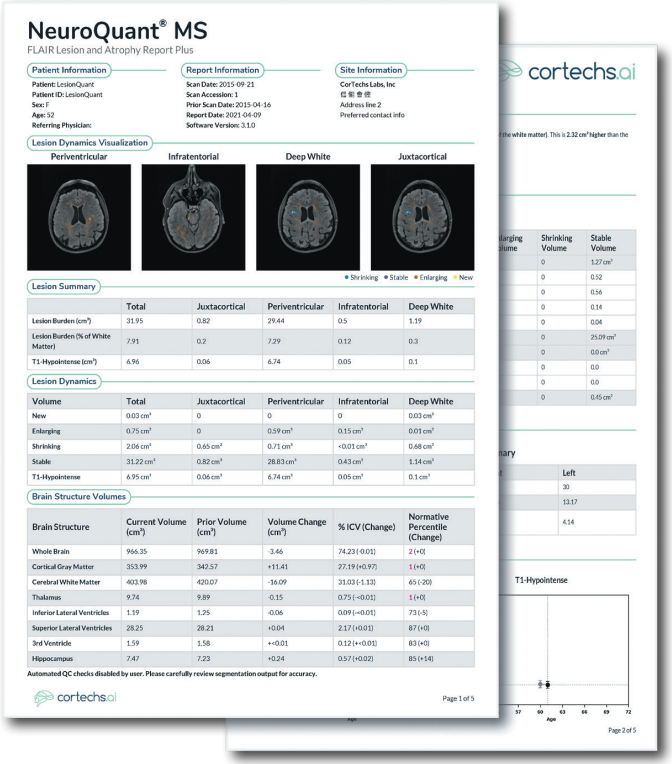
Automated QC checks disabled by user. Please carefully review segmentation output for accuracy.

cortechs.ai

Page 1 of 5

- Lesion dynamics visualisation provides four axial image slices from the current MR FLAIR with regional colour-coded lesions.
- Lesion summary table provides the lesion count and burden for each brain region.
- Lesion dynamics summary is a text-based summary of lesion changes.
- Brain structure volumes table summarises current volumes and change.

FLAIR LESION AND ATROPHY REPORT PLUS



NeuroQuant® MS

FLAIR Lesion and Atrophy Report Plus

Patient Information
Patient: LesionQuant
Patient ID: LesionQuant
Sex: F
Age: 52
Referring Physician:

Report Information
Scan Date: 2015-09-21
Scan Accession: 1
Prior Scan Date: 2015-04-16
Report Date: 2021-04-09
Software Version: 3.1.0

Site Information
CorTechs Labs, Inc
Address line 2
Preferred contact info

Lesion Dynamics Visualization

Periventricular | Infratentorial | Deep White | Juxtacortical

• Shrinking • Stable • Enlarging • New

Lesion Summary

	Total	Juxtacortical	Periventricular	Infratentorial	Deep White
Lesion Burden (cm³)	31.95	0.82	29.44	0.5	1.19
Lesion Burden (% of White Matter)	7.91	0.2	7.29	0.12	0.3
T1-Hypointense (cm³)	6.96	0.06	6.74	0.05	0.1

Lesion Dynamics

Volume	Total	Juxtacortical	Periventricular	Infratentorial	Deep White
New	0.03 cm³	0	0	0	0.03 cm³
Enlarging	0.75 cm³	0	0.59 cm³	0.15 cm³	0.01 cm³
Shrinking	2.06 cm³	0.65 cm³	0.71 cm³	<0.01 cm³	0.68 cm³
Stable	31.22 cm³	0.82 cm³	28.83 cm³	0.43 cm³	1.14 cm³
T1-Hypointense	6.95 cm³	0.06 cm³	6.74 cm³	0.05 cm³	0.1 cm³

Brain Structure Volumes

Brain Structure	Current Volume (cm³)	Prior Volume (cm³)	Volume Change (cm³)	% ICV (Change)	Normative Percentile (Change)
Whole Brain	966.35	969.81	-3.46	74.23 (-0.01)	2 (+0)
Cortical Gray Matter	353.99	342.57	+11.41	27.19 (+0.97)	1 (+0)
Cerebral White Matter	403.98	420.07	-16.09	31.03 (-1.13)	65 (-20)
Thalamus	9.74	9.89	-0.15	0.75 (-<0.01)	1 (+0)
Inferior Lateral Ventricles	1.19	1.25	-0.06	0.09 (-<0.01)	73 (-5)
Superior Lateral Ventricles	28.25	28.21	+0.04	2.17 (+0.01)	87 (+0)
3rd Ventricle	1.59	1.58	+<0.01	0.12 (+<0.01)	83 (+0)
Hippocampus	7.47	7.23	+0.24	0.57 (+0.02)	85 (+14)

Automated QC checks disabled by user. Please carefully review segmentation output for accuracy.

cortechs.ai

Page 1 of 5

cortechs.ai

T1-Hypointense

Page 2 of 5

- Comprehensive, 5-page report that includes everything in the standard report and the additional sections below.
- Lesion location chart and table further defines lesions by location.
- Lesion hemisphere section lists the number and burden of lesions.
- Lesion history charts longitudinally tracked lesion burden and T1-hypointense volume across scans.
- Individual lesions section provides axial image slices of up to 20 individual lesions that have changed between scans.
- Brain structure visualisation provides colour-coded segmented images in the axial, coronal, and sagittal planes.