# Fast & Accurate FLAIR Lesion Quantification & Visualization with LesionQuant

- ✓ Comprehensive FLAIR lesion segmentation and identification within minutes
- ✓ Color-coded slice-by-slice review via FLAIR overlay available directly on your PACS or DICOM viewer
- ✓ Quantitative measurements aid physicians in clinical treatment planning and disease progression monitoring
- ✓ Verified, optimized, and trusted automated image analysis

### **The LesionQuant Difference**

- ✓ Powered by NeuroQuant® & Dynamic Atlas™
- ✓ NeuroQuant is FDA cleared, CE marked and Health Canada licensed
- ✓ Fully automated, consistent and reproducible results
- ✓ Broad age range from 3 to 100 years
- ✓ Optimized easy-to-read report, focused on relevant information
- ✓ Combines information from 3D T1 and FLAIR MR imaging
- ✓ Secure cloud or locally installed systems
- ✓ Compatible with 1.5 T and 3.0 T GE, Philips, Siemens, and Toshiba scanners



Expert Radiology. Exceptional Care.

Contact us to learn more:

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2280 South Woodworth Loop, Palmer, AK 99645 (907) 746-4646

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cortechslabs.com

## **LesionQuant™**

Lesions, Quantified.



Fast, accurate & proven automated FLAIR lesion quantification and visualization

A NeuroQuant® Product

### Precise FLAIR lesion volume measurement and visualization.

### LesionQuant: FLAIR Lesion Identification & Review

LesionQuant<sup>™</sup> is a unique, easy-to-use and verified software for automated and fast quality FLAIR lesion segmentation, quantification and visualization.

LesionQuant provides a comprehensive report on FLAIR lesion accumulation.



Powered by NeuroQuant® for trusted & proven brain image analysis



Total number and volume of lesions



Lesion burden (ratio of lesion volume to white matter volume)



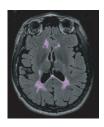
New and enlarging lesion identification and quantification (two timepoint measurements)

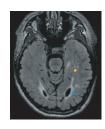


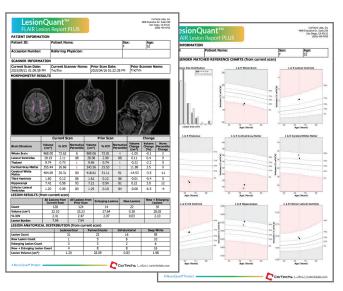
Lesion and lesion change visualization in MRI overlay



Anatomical lesion distribution







PATIENT INFORMAT	TION						
Patient ID:	me:			Sex		Age: 44	
Accession Number:	Referring P	hysician:			-		44
SCANNER INFORMA	TION						
Current Scan Date: 2016/05/03 00:00:00	Current Sca AM Siemens 3.0	rrent Scanner Name:		Prior Scan Date: 2016/02/14 00:00:00 Af			nner Name:
MORPHOMETRY RES			2016/02/1	00:00:0	API SIGII	RIG 3	.01
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Brain Structure Whole Brain	Current Volume (c	m³) Current		Curren	t Normative roentile	Norm	n Percentile Ch.
Whole Brain Thalami	1036.7 10.0	73	.8	Curren Pe	7	Norm	3
Whole Brain Thalami Cortical Gray Matter	1036.7 10.0 438.2	73 0. 31	.8 7 .2	Current Pe	7 1 7	Norm	3 0 3
Whole Brain Thalami Cortical Gray Matter Cerebral White Matter	1036.7 10.0 438.2 341.1	73 0. 31 24	.8 7 .2	Curren	7	Norm	3
Whole Brain Thalami Cortical Gray Matter	1036.7 10.0 438.2 341.1 rom current scan	73 0. 31 24	.8 7 .2 .3	Pe	7 1 7		3 0 3 0
Whole Brain Thalami Cortical Gray Matter Cerebral White Matter	1036.7 10.0 438.2 341.1 rom current scan	73 0. 31 24	.8 7 .2 .3	Pe Lesions	7 1 7		3 0 3 0
Whole Brain Thalami Cortical Gray Matter Cerebral White Matter LESION RESULTS (fr	1036.7 10.0 438.2 341.1 rom current scan All Lesions from Current Scan	73 0. 31 24 All Lesions from	.8 7 .2 .3	Pe Lesions	7 1 7 1 New Lesio		3 0 3 0
Whole Brain Thalami Cortical Gray Matter Cerebral White Matter LESION RESULTS (fr	1036.7 10.0 438.2 341.1 rom current scan; All Lesions from Current Scan 20 56.79 4.04	73 0. 31 24 All Lesions from Prior Scan	.8 7 .2 .3	Pe p Lesions	7 1 7 1 New Lesio		3 0 3 0 New + Enlary Lesions

#### Color-Coded FLAIR Lesion Overlay

- » Lesion visualization: Anatomical lesion distribution
- » Lesion change visualization: Increasing and decreasing lesion volume

### FLAIR Lesion Report PLUS -

- » Anatomical distribution of lesions
- » White matter lesion burden
- » Total number and volume of lesions
- » Total number and volume of new lesions
- » Total number and volume of enlarging lesions
- » Histogram of lesion volume distributions
- » Current and prior volume with normative percentiles & volume and normative percentile change for 8 brain structures with age- and gendermatched reference charts

#### **FLAIR Lesion Report**

- » Total number and volume of lesions
- » Total number and volume of enlarging lesions
- » Total number and volume of new lesions
- » Current volume & normative percentile change of 4 brain structures with age-and gender-matched reference charts