Quantitative Imaging for more accurate diagnosis and comparison

SimonMed's experienced neuroradiologists are now offering LesionQuant[™] automated quantitative lesion identification software from CorTechs Labs as a routine part of our Multiple Sclerosis (MS) imaging practice.

The leading FDA-cleared, fully automated quantitative brain imaging analysis software, NeuroQuant® provides high-resolution 3D volumetric analysis of brain structures and compares them to a normative database ranging from age 3 to 100.

The LesionQuant module of NeuroQuant combines the 3D anatomic data from T1 images with 2D or 3D FLAIR lesion segmentation and identification data. It generates a fully automated 3D data set of anatomic brain structures with an overlay of color-coded FLAIR lesions within 4 anatomic locations:

- Leukocortical
- Periventricular
- Infratentorial
- Deep White Matter

An initial LesionQuant report automatically generates the total lesion count, volume, and % of Intracranial Volume (ICV) of all lesions, white matter lesion burden, and anatomic distribution of lesions by volume and number of lesions.

Lesion burden can be quantified between two studies according to total lesion count, total volume of lesions, % of ICV and number of new and enlarging lesions per each of 4 anatomic locations.

To aid in clinical management, LesionQuant data analysis allows for reliable and objective quantitative measurements of disease burden as well as serial measurements of treatment effectiveness and disease progression.

Fast, Accurate FLAIR Lesion Quantification & Comparison

- 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 to aid in clinical treatment planning and disease progression monitoring
- Verified, optimized and trusted automated image analysis

The LesionQuant Difference

- Powered by NeuroQuant and Dynamic Atlas
- FDA cleared
- Fully automated, consistent and reproducible results
- Brain volume results compared to healthy normative values for ages 3–100
- Easy-to-read report focused on relevant information
- Combines information from 3D T1 and FLAIR MR imaging

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BRAIN LESIONQUANT

Lesions Now Quantified



Scheduling: PI_Schedulers@simonmed.com Scheduling Fax: 415-433-3536 Billing & Medical Records: attorney@simonmed.com

Billing & Medical Records Fax: 602-302-5960



SimonMed.com

LesionQuant: Color-Coded FLAIR Lesion Overlay on PACS or DICOM Viewer

LESION SEGMENTATION





BY ANATOMICAL REGION BY INDIVIDUAL LESION

LESION VOLUME CHANGE FROM A PRIOR SCAN



COLORED BY INCREASING AND DECREASING LESION VOLUME

LesionQuant FLAIR Lesion Report Plus

- Anatomical distribution of lesions
- Volume and % ICV of all new and enlarging lesions
- White matter lesion burden calculation

FLAIR Le	sion R	eport I	PLUS					-		
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- Histogram of lesion volume distributions
- Current and prior volume with normative percentiles and volume & percentile change for 8 brain structures with age- and gender-matched reference charts



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