

Magnetic Resonance Innovations

"Your partner in brain image analysis"

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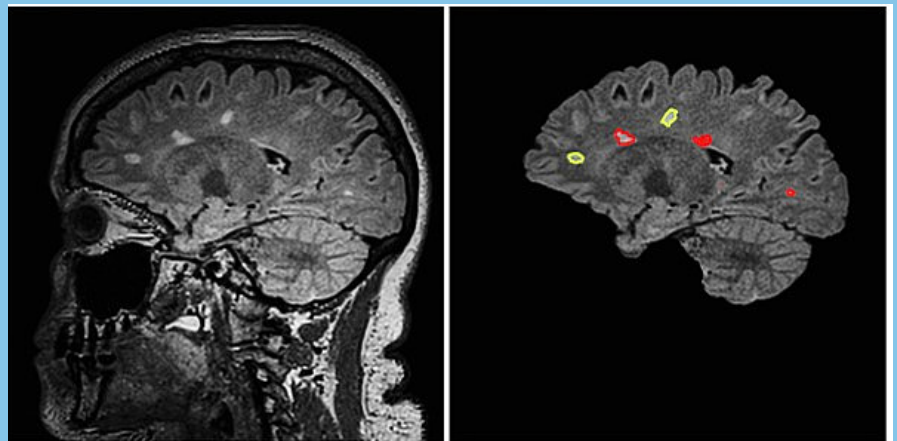
Quantifying White Matter Hyperintensities

SPIN WMH is our advanced post-processing module for automatic detection of **White Matter Hyperintensities (WMH)**. Quantifying white matter lesions has clinical implications for longitudinal tracking of disease progression or drug treatment efficacy. Most current WMH detection software uses semi-automated approaches using multiple MR data sets which requires more processing time. We propose to use only 3D FLAIR data to determine lesion, brain, and ventricle volumes automatically and also label the lesion type. We use a proprietary high spatial frequency suppression method in order to achieve more accurate segmentation results. We also provide several post-processing functions to assist manual segmentation if necessary. No manufacturer yet offers automated WMH segmentation and even our manual segmentation features would compete with what is available.

Features and Clinical Use

FEATURES:

- * Efficient and accurate quantification and monitoring of white matter lesions
- * Easy to use, robust quantification tool
- * Objective and fast interpretation of the MRI data
- * Better evaluation of white matter lesions over the course of the disease and its treatment



CLINICAL USE:

- * Multiple Sclerosis, Dementia, Parkinson's Disease and Stroke