SimonMed® Imaging

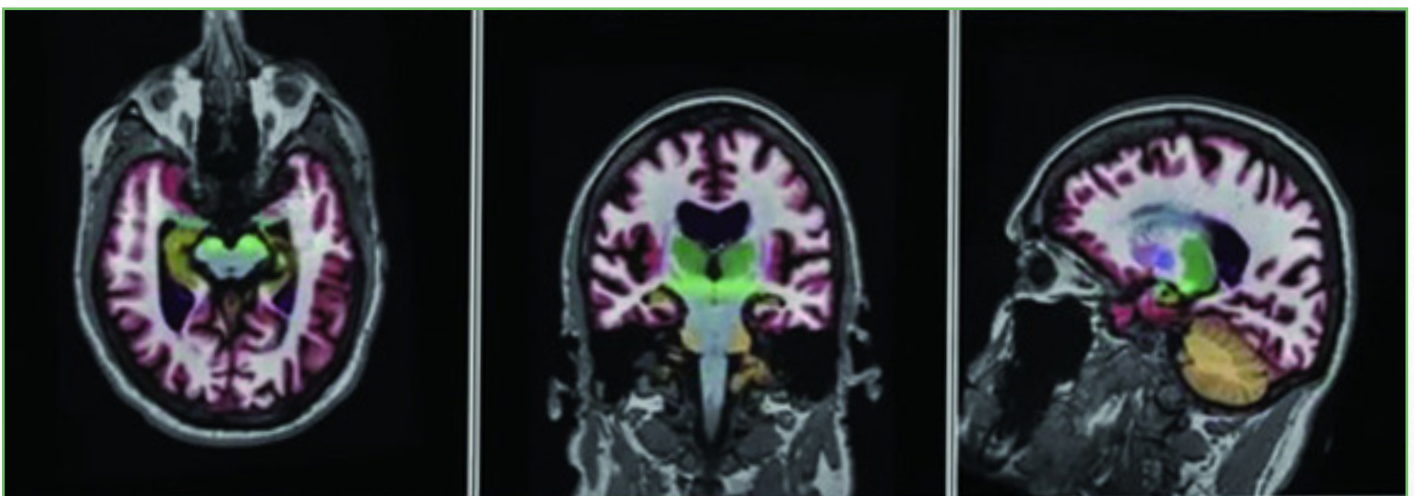*See Tomorrow Today*®

NeuroQuant™

NeuroQuant™

SimonMed Imaging's new Neuro Degenerative Diagnostic Centers are now offering NeuroQuant quantitative MRI measurement software as a routine part of SimonMed's neurodegenerative imaging practice.

NeuroQuant™ is the leading FDA-cleared, fully automated quantitative brain imaging analysis software which provides high-resolution 3D volumetric analysis of subcortical brain structures and compares them to a normative database ranging in age from 3-100. NeuroQuant generates an almost instantaneous color-coded 3D data set of anatomic brain structures along with three graphic volumetric data reports of the patient's quantitative brain analysis compared with age-matched controls.

SimonMed's team of experienced Neuroradiologists are using NeuroQuant routinely on all patients with a history of memory loss, cognitive impairment, dementia, traumatic brain injury (TBI) and seizures as part of our standard protocols for these indications. The three automated graphic volumetric reports include a general morphology report, age-related atrophy report and hippocampal volume asymmetry report. These separate reports are used together to produce accurate, consistent and reproducible analysis, monitoring and longitudinal objective tracking of disease progression in patients with Alzheimer's disease, TBI and seizures increasing diagnostic accuracy and improving patient care.

Fast, Accurate, Automated Quantitative MRI Analysis with NeuroQuant

➤ Identify evidence of neurodegeneration

➤ Improve ongoing evaluation with longitudinal tracking

➤ Use quantitative measurements to aid clinical assessment and monitor disease progression
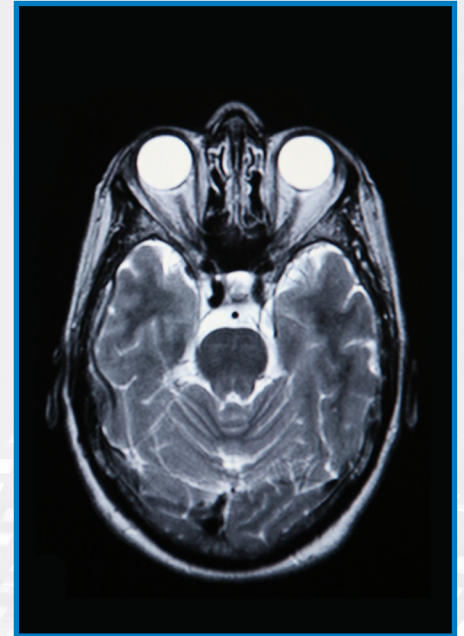
Unleash the power of NeuroQuant

NeuroQuant is breakthrough software designed to make quantitative MRI measurement a routine part of clinical practice.

NeuroQuant automatically segments and measures volumes of brain structures and compares them to our un1quc normative database ranging from ages 3 to 100. Reports contain absolute and relative volumes of brain structures in a DICOM-compatible format.

➤ Better data, better results

➤ Fully automated quantitative volumetric image segmentation and analysis

➤ Provides standardized and reproducible quantitative brain volume information with advanced Dynamic Atlas™ technology

➤ Delivers a continuous age range from 3 to 100

➤ Adds valuable quantitative measurements to aid in the assessment of neurodegenerative conditions

➤ Increases the quality of patient care

Get precise volumetric data and reports in minutes

Age Related Atrophy
Hippocampal and ventricle volume measurements compared to age and gender norms

Hippocampal Volume Asymmetry
Hippocampal volume left/right asymmetry measurements compared to age and gender norms

Multi Structure Atrophy
Total brain volume, white and gray matter, thalamus and more measurements compared to age and gender norms

Triage Brain Atrophy
Multiple volume measurements sorted by lobe and brain structures

Brain Development
Forebrain parenchyma and lateral ventricle volumes with norms 3 years and up

The NeuroQuant Difference

➤ The first FDA cleared & CE marked solution

➤ Unique, patented Dynamic Atlas™ technology increases segmentation accuracy across a broad age range from 3 to 100 years

➤ Fully automated, consistent and reproducible results

➤ Extensive set of segmented subcortical structures

➤ Secure cloud or locally installed systems

➤ Standardized, proven 3D T1 non-contrast sagittal MRI

➤ Compatible with GE, Philips, Siemens (1.5T and 3.0T)

➤ Multiplatform: OS X. Windows and Linux

The new SimonMed Neuro Degenerative Diagnostic Centers are one of the few outpatient diagnostic imaging sites technically advanced enough to provide this breakthrough testing.

NeuroQuant® is a registered trademark of CorTechs Labs, Inc.

SPIN
SimonMed Personal Injury Now

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COMPREHENSIVE SERVICES   **LOWER COSTS**   **CUSTOMIZED REPORTING**   **CONVENIENT LOCATIONS**   **ADVANCED TECHNOLOGY**   **PERSONALIZED CARE**

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