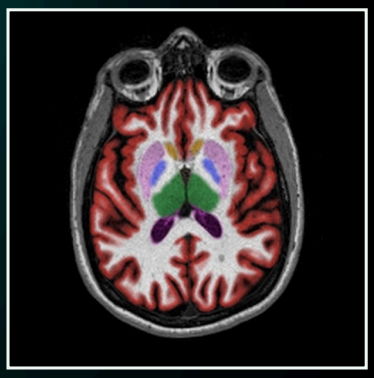
NeuroQuant®

Atrophy, quantified

Automated Quantitative MRI Analysis

NeuroQuant® Color-Coded Segmentation:



Key Features:

Dynamic Atlas™

Personalized segmentation combining the patented Dynamic Atlas™ with deep learning, for ages 3-100.

- Accurate and consistent brain segmentation in all subjects, accounting for age and sex
- Visualize data for multiple prior exam dates

Normative Database

The Cortechs.ai Normative Database reduces atrophy subjectivity by allowing NeuroQuant® to compare patient volumetrics to age- and sex-matched normative data

- Clinically validated and robust normative database
- Built on normative data from thousands of healthy individuals across diverse ethnic backgrounds
- Trained and validated on a wide range of scanner protocols, field strengths, and patient demographics, including age, gender, and race



Best-in-Class Automated Brain Segmentation and Volumetric Analysis

- Seamlessly integrate advanced volumetrics into your radiology reports for smarter, faster diagnostics through our DICOM Structured Report output
- Brain volumes compared to normative populations for ages 3 to 100 years
- Elevate monitoring and evaluation of disease progression with longitudinal tracking
- Multiple clinically-focused reports provide precise and detailed volumetric data for the clinical assessment of brain disorders
- Visualize brain segmentation with color-coded overlays that make interpretation faster, clearer, and more intuitive
- Choose dark background reports for comfortable review in radiology reading rooms

Cortechs.ai

NeuroQuant®
Reporting Options

3D T1 NeuroQuant Reports:

- **Dementia: Age-Related Atrophy**

  Hippocampal, lateral ventricle volume, and entorhinal cortex measurements compared to age and sex-matched norms.

- **Seizure: Hippocampal Asymmetry**

  Hippocampal volume left/right asymmetry measurements compared to age and sex-matched norms.

- **MSA: Multi-Structure Atrophy**

  2-page report providing volumes of the whole brain, white and gray matter, thalamus and more compared to age and sex-matched norms.

- **Pediatrics: Brain Development**

  Intracranial volume, whole brain volume, forebrain parenchyma, total ventricles, cerebral white matter, cerebellar, and total lobe volumes compared to age and sex-matched norms.

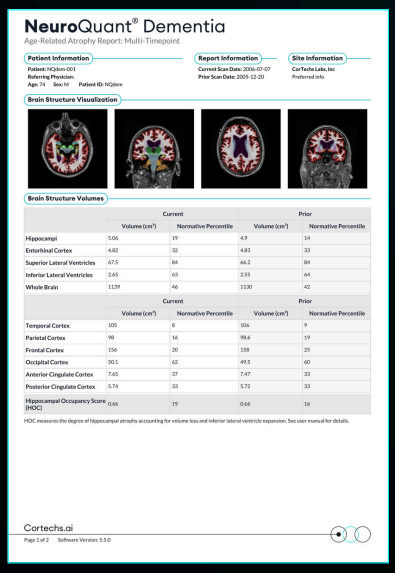
- **TBA: Total Brain Atrophy**

  Global view of multiple volume measurements compared to age and sex-matched norms sorted by lobe.

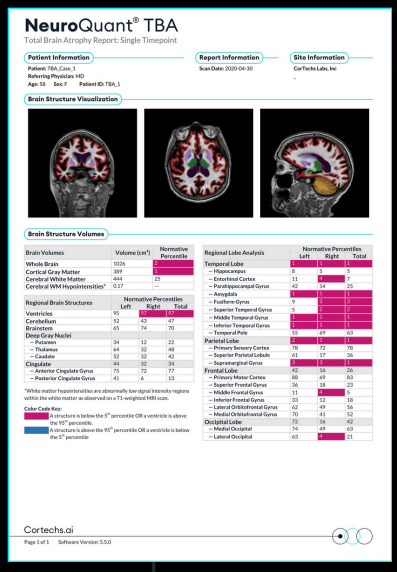
- **Custom**

  Customizable volumetrics report for the assessment of neurodegenerative conditions. This report allows physicians to individually tailor NeuroQuant® volumetrics to their clinical cases.

NeuroQuant® Dementia Report: Multi-Timepoint


NeuroQuant® Dementia
Age-Related Atrophy Report: Multi-Timepoint
Patient Information
Report Information
Site Information
Brain Structure Visualization
Brain Structure Volumes
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NeuroQuant® TBA Report: Single Timepoint


NeuroQuant® TBA
Total Brain Atrophy Report: Single Timepoint
Patient Information
Report Information
Site Information
Brain Structure Visualization
Brain Structure Volumes
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Trusted by experts

"NeuroQuant® is the **clinical gold standard** for MRI brain volume measurement."

Dr. David E. Ross, MD
Director, Virginia Institute of Neuropsychiatry

"NeuroQuant® is an **indispensable tool and part of our routine daily practice**. It adds huge value to our clinical practice and helps us stay ahead of our competition."

Dr. Ana M. Franceschi, MD, PhD

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