

Brain Volumetry

Central Nervous Suite



Accurate & fast evaluation of neurodegenerative diseases

At Quibim, we believe evidence-based research and technological innovation combined together help save lives. We are on a mission to improve human health through AI-guided precision medicine.

Many neurodegenerative diseases like Parkinson's, Alzheimer's or Multiple Sclerosis may alter brain volumes and structures. These alterations are characterized by subtle modifications that affect morphometry and tissue concentration in certain brain structures.

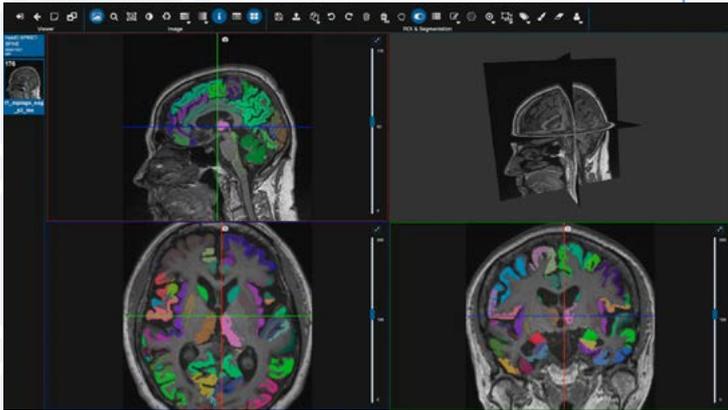
Precise measurements of those alterations are often a complex task. There is a need for automatic tools that provide quantitative information particularly for early identification of atrophy, helping provide information that is difficult to obtain visually or manually.

Efficient, Effective & Accurate:

- Full integration with clinical workflow and PACS.
- Quantitative volumetric measurements in minutes.
- Structured reports with reference charts comparing results with healthy subjects of the same age and sex.

Quibim's Brain Volumetry tool is part of the Central Nervous Suite, an automated post-processing solution, to provide quantitative measurements and monitor subtle volumetric changes in the entire brain.

Quantitative information, enhanced confidence



The tool offers quantitative information on underlying central nervous system disorders by calculating both the absolute and relative (normalized to intracranial volume - ICV) volumes of the grey matter, white matter, and cerebrospinal fluid as well as detailed values in 184 measurements.

One-page report

We personalize your results in a quantitative report with the most suitable parameters for better patient care in daily clinical practice.

Quantitative biomarkers

Our product automates quantification and volume calculation of cortical and subcortical regions based on a probabilistic atlas.

Under a complete suite you can focus your study on four different radiology reports:

- Atrophy screening
- Frontotemporal atrophy
- Hippocampal atrophy & asymmetry
- Motor cortex atrophy

By using one of the focused reports in combination with the Screening report, Quibim aids in identifying changes of regional brain volumes.

Accurate diagnosis, effective reporting

