

**Fully automated solution for
quantifying MRI brain scans.**

Combinostics
cNeuro
cMRI



**cNeuro® cMRI is a tool for
quantitative assessment of brain
images providing clinical decision
support in neurological disorders.**

HIGHLIGHTS

- **Cloud-based tool running in a standard browser.**
- **Quantitative information about volumes of brain structures. EU version also includes computed MTA & GCA.**
- **Quantitative assessment of vascular burden. EU version also includes computed Fazekas.**
- **Statistical comparison with a large reference database of healthy controls.**
- **Interactive viewing of images and results.**
- **Easy reporting.**

MRI brain imaging is a critical tool in assessing patients with neurodegenerative diseases. Using visual assessment alone, it is difficult to identify subtle changes in brain atrophy and to identify patterns of atrophy that may be associated with different types of dementia. This can be overcome by the use of quantitative information. cMRI assists in accurate and consistent quantitative evaluation of MRI brain scans and presents the results in a report that is designed for referring physicians

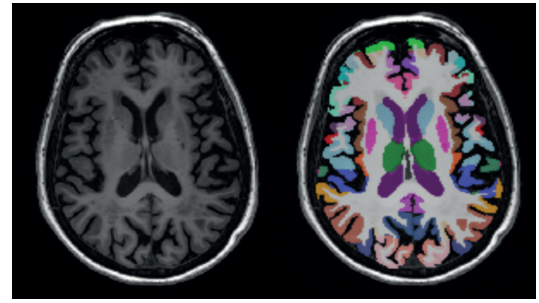


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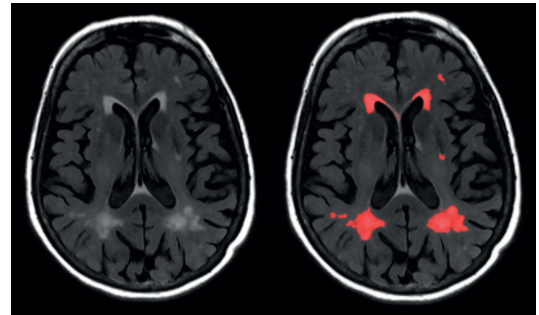
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FEATURES

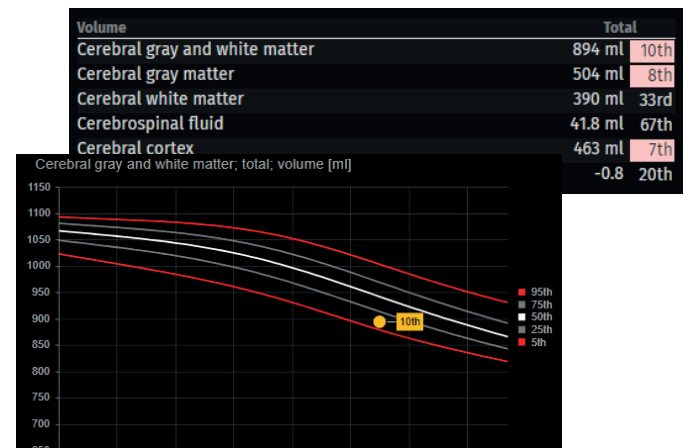
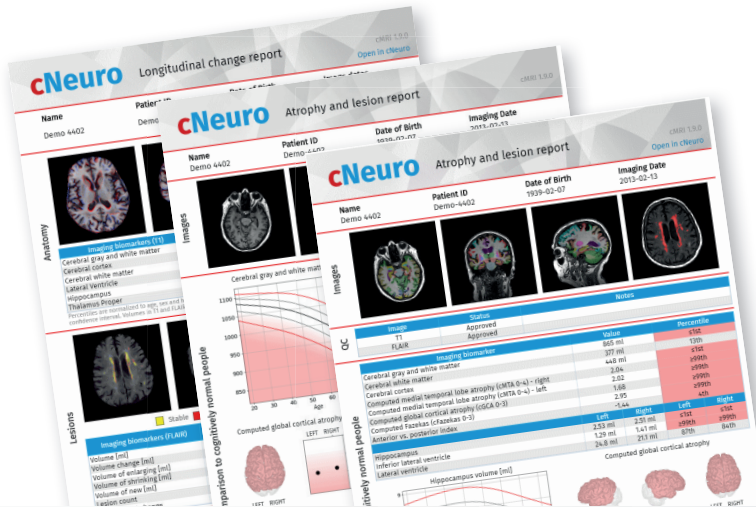
- Cloud-based – software runs in a standard web browser.
- Computation of volumes of 102 cortical and 31 subcortical regions from T1 images.
- Computation of vascular burden from FLAIR images.
- Computation of MTA, GCA (global & lobes) and Fazekas (EU version).
- Computation of relative atrophy between anterior and posterior regions.
- Longitudinal analysis of T1 and FLAIR.
- Interactive review of images with the ability to toggle overlays on/off for easy assessment of segmentation results.
- Visualization of grey-matter concentration map supporting assessment of brain atrophy.
- Quantitative information corrected for age, gender and head size.
- Quantitative results presented in tabular form or as age and gender corrected plots.
- Summary report for streamlined communication with referring physicians and patients.



Structures segmented using T1 images.



Vascular changes based in FLAIR images.



Results presented in tabular and graphical form.

Security

- All data transfer uses SSL encryption and stored data are anonymized and encrypted.
- More information in separate security statement.

System Requirements

- Supported web browsers:
 - Google Chrome
 - Firefox
 - Internet Explorer 11 or later.
- Recommended display resolution 1680 x 1050 or higher.

Indications for Use

cNeuro cMRI is intended for automatic labeling, quantification and visualization of segmentable brain structures from a set of MR images. The software is intended to automate the current manual process of identifying, labeling and quantifying the segmentable brain structures identified on MR images. The intended user profile covers medical professionals who work with medical imaging. The intended operational environment is an office-like environment with a computer.

Regulatory Compliance

CE marked and FDA 510(k) cleared.