icometrix
icobrain

TRANSFORMING PATIENT CARE THROUGH IMAGING AI

WE BRING BRILLIANCE TO HEALTH & WELLNESS

As your diagnostic imaging partner, RAYUS Radiology is committed to investing in game-changing technology that increases the quality of treatment for your patients.

INTRODUCING icobrain

icobrain is a post-processing software that measures the volumes of disease-specific brain structures from brain MRI and CT images. icobrain is an FDA-cleared and CE-marked imaging analysis service to quantify disease-specific brain structures for acute and chronic neurological conditions on MR and CT.

The measured volumes are compared to a normal reference database to distinguish normal from abnormal volumes and can help in the assessment of neurological conditions such as:

- Multiple Sclerosis
- Alzheimer's disease
- Dementia
- Epilepsy
- Brain trauma

HOW DOES icobrain WORK?

icobrain uses artificial intelligence to assess brain volumes, abnormalities, and subtle brain volume changes over time. Tailored to your patient's condition, brain volumes are measured and normalized for age, sex, and head size before comparing to a normal reference database.

ICOBRAIN FACTS

26% of people with multiple sclerosis are on a suboptimal treatment.[1] Tracking brain volume changes and abnormalities can help to monitor and optimize your treatment sooner.

3.1 years, is the average time between first symptoms and a firm diagnosis of dementia.[2] Identifying patterns in brain volume loss can help pinpoint your diagnosis and care path.

[1] Maurer et al. 2011, [2] Speechly et al. 2008

SCHEDULE A PATIENT

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DEVELOPED FOR AND BY PATIENTS AND HCPs

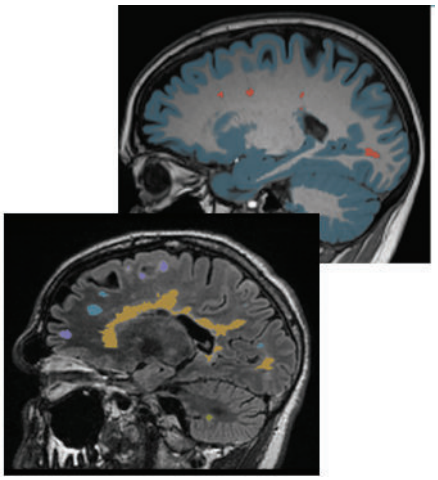
icompanion

icompanion IS A USER-FRIENDLY MOBILE APP AND HEALTHCARE PROVIDER PORTAL FOR MS MONITORING

- **Monitor** symptoms, cognition, disability, fatigue, treatments and more **between consultations**
- Impact **treatments decisions** by combining clinical and subclinical data
- Facilitate **interaction** and **data sharing** in a multidisciplinary MS team
- **Empower patients** by giving them a complete view and control over their clinical data

EASY TO COMBINE WITH BRAIN VOLUMETRICS

Your tool to help with **early prediction of disease progression, relapses**, and treatment response in patients with MS.



COLOR-CODED SEGMENTATIONS

- Visualize changes between follow-up scans
- Help patients understand their MRI

icobrain mr is intended for automatic labeling, visualization, and volumetric quantification of segmentable brain structures from a set of MR images. This software is intended to automate the current manual process of identifying, labeling, and quantifying the volume of segmentable brain structures identified on MR images. icobrain mr consists of two distinct image processing pipelines icobrain mr cross and icobrain mr long.

- icobrain mr cross is intended to provide volumes from images acquired at a single timepoint.
- icobrain mr long is intended to provide changes in volumes between two images that were acquired on the same scanner, with the same image acquisition protocol and with the same contrast at two different timepoints.
- The results of icobrain mr cross cannot be compared with the results of icobrain mr long.
- icompanion is an application intended for people with neurological disorders and their health care practitioners.
- icompanion is intended to capture neurological patient-reported outcomes. The application is used to support health care practitioners with the remote monitoring of people with neurological disorders.