INMED
PROGNOSTICS
Imagineering Better Health

FDA
**510(k)**

NEUROShield™
MR Volumetry

NEUROShield™ is the cutting-edge Clinical Decision Support tool that is reshaping the way neurologists approach brain analysis. Our state-of-the-art software is designed to streamline and enhance the diagnostic process by automating the segmentation and volumetric analysis of brain structures, providing accurate results, and delivering actionable insights for better patient care. NeuroShield is designed to provide ethnicity specific reference ranges.

VOLUMETRIC ANALYSIS OF BRAIN STRUCTURES

1. HIPPOCAMPUS

Alzhiemer's | Dementia | Epilepsy
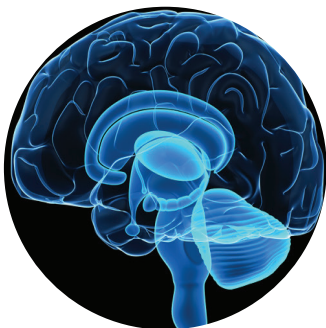
2. WHOLE BRAIN

Movement disorders | Parkinsonism
Dementia | Huntington's Disease

3. VENTRICLES

Alzhiemers | Dementia | Epilepsy

4. MIDBRAIN, PONS & BRAINSTEM

Dementia | Parkinsonism
Pontine Supranuclear Palsy

FEATURES

- Automated segmentation of brain structures.
- Quantification of volumes of the brain structures.
- Percentile-based Reference ranges is provided.
- Designed to provide ethnicity specific reference ranges.
- Reports Customized according to pathology.

BENEFITS

- Automated volumetric calculation of brain structures.
- Individual-specific analysis
- Normalize structural volumes based on ICV.
- Advanced visualization of brain structures.

CLINICAL ADVANTAGES

Leverage AI to fully automate the tedious task of manual image processing and deliver highly accurate and reliable results.

Assist neurologists in diagnosing and devising optimal treatment plans.

A diagnostic support tool for neurodegenerative conditions by obtaining precise volumetric brain data by using 3D structural MRI.

WHAT CUSTOMERS SAY...

> Neuroshield enables structural analysis and assessment of Cerebral Atrophy in patients. It gives an analysis of localised brain atrophy relative to that of the Indian (healthy controls) references. This enables earlier MCI (mild cognitive impairment) detection and eliminates the possibility of over or under estimation while quantifying atrophy.

SENIOR NEUROSURGEON,
Super-specialty Hospital, Pune, India

> While a traditional 2D MRI image reading provides only a limited understanding of mild atrophy changes, NeuroShield provides quantitative support for diagnosis based on visualization and volumetric analysis of 3D MRI images. This analysis helps me in assessing conditions like MCI, dementia (AD), MS, epilepsy, and TBI more efficiently and arrive at optimal evidence-based clinical decisions.

CONSULTING NEUROLOGIST,
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