

Research Use Only

neurophet AQUAPediatrics

Comprehensive Imaging Biomarker Solution for
Alzheimer's Disease

AQUA Pediatrics For 0-24 Months old

AI solution for analyzing brain MRI images for ages 0-24 months old



01 Core feature summary

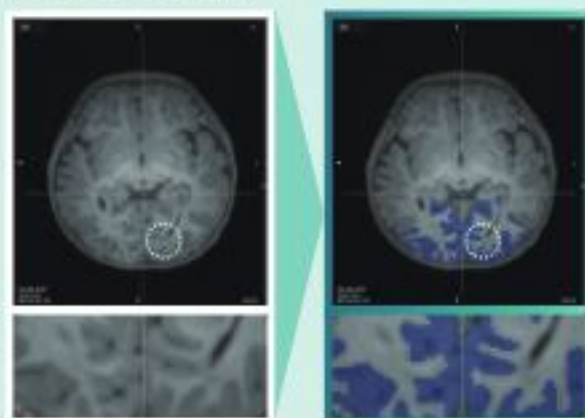
- Age Range: 0-24 months (including preterm)
- Providing automatic brain MR image segmentation (both T1 and T2-weight)
- Supports both DICOM/NIFTI

02 AQUA Pediatrics provides

- Analysis of 15 brain regions possible
- Brain image analysis result viewer and report
- Analysis values download function in CSV form
- Provide Region and Volume values at selected position with Crosshair

The precise Segmentation Analysis Technology of AQUA Pediatrics

Precision analysis possible from a newborn's 400cc brain volume



Brain Maturation Index

Gain valuable insights into neonatal brain development providing a comprehensive assessment of brain maturity for enhanced clinical understanding.

Potential Clinical Impact

Estimate brain prematurity, monitor developmental progress, and tailor interventions for improved patient outcomes.

AQUA Pediatrics

User Feedbacks

Interview



Pediatric Neurosurgery | US

There is no brain imaging AI solution for infants and young children, and **AQUA Pediatrics demo** will help me to expand the scope of my research.



Neurologist | US

Having experienced **AQUA Pediatrics demo**, I am impressed with the completeness and accuracy.



Pediatric Neuroradiologist | UK

The interface is similar to other solutions and more user-friendly than I've used in the past, so I was able to adapt quickly.

Sample

Volume of Main Brain Regions

Image Information

Scan Date: 2023-07-10 Age(Scan Date): 3 months Sequence: T1 Sex: Female

Region	Volume (ml)		
	Total	Right	Left
Frontal Lobe	78.3	78.3	78.3
Parietal Lobe	75.7	75.7	75.7
Temporal Lobe	57.8	57.8	57.8
Occipital Lobe	46.6	46.6	46.6
Cingulate Cortex	8.3	8.3	8.3
Insula	5.2	5.2	5.2
Cerebral white matter	232.1	232.1	232.1
Cerebellum	56.9	56.9	56.9
Lateral Ventricle	13.3	13.3	13.3
Corpus Callosum	4.5	4.5	4.5
Lentiform Nucleus	7.7	7.7	7.7
Caudate	4.0	4.0	4.0
Thalamus	12.9	12.9	12.9
Hippocampus	2.7	2.7	2.7
Amygdala	1.1	1.1	1.1

Contact us
for more information!



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