



Pixyl.Neuro

AI-Powered Insight
for Improved Patient Care



Pixyl.Neuro is part of a portfolio dedicated to AI-assisted MRI analysis
Available directly from Pixyl, or via OEM, PACS, and AI platforms



ENHANCED PATIENT CARE

With clinical decision support

- Flag potential findings with objective assessment
- Monitor clinically relevant biomarkers for enhanced radiology reports
- Accurate results based on expertly validated datasets
- Reliable & robust performance in the face of real-world MRI heterogeneity
- Proven benefits through clinical validation

FACILITATED REPORTING

With quantitative information at your fingertips




- Accelerated reporting, with quality and precision
- Results within MRI scan time (analysis time < 5 min)
- Zero-click longitudinal analysis (automatic retrieval)
- Prior scan co-registered for simplified review
- Seamlessly integrated into existing systems and workflows, requiring just a single conventional MRI



PEACE OF MIND

With a secure trusted solution

- **FDA** cleared class II
- **CE**-marked class IIa (MDR)
- HIPAA & GDPR compliant — On-site de-identification
-  certified
- Certified for secure healthcare-data hosting (HDS compliant)



Pixyl.Neuro.MS

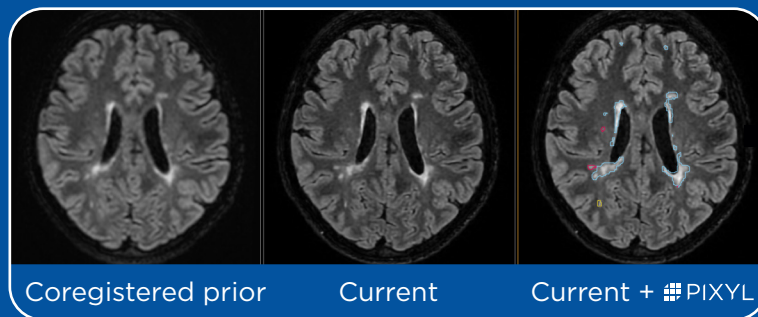
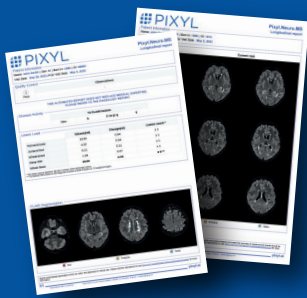
Neuroinflammatory disorders

Input: 3D T2-FLAIR sequence

Output: PDF Report + Annotated DICOM + Coregistered prior scan

Detection, quantification & categorization (new, enlarging, stable) of hyperintensities. Flag subtle changes between visits.

- Accelerated case reading (up to 50%) ^a
- Enhanced detection rate (up to 28%) ^b
- Disease stability peace-of-mind



New
Enlarging
Stable



Pixyl.Neuro.BV

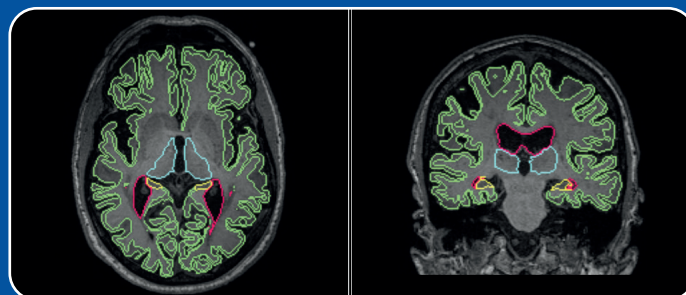
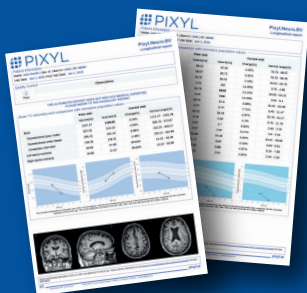
Neurodegenerative diseases

Input: 3D Gradient Echo T1 sequence

Output: PDF report + Annotated DICOM + Coregistered prior scan

Brain volume quantification for objective measurements and comparison of brain structures with normative data, adjusted for age and intracranial volume.

- Better understanding of the pattern of atrophy
- Highlight abnormalities
- Support early differential diagnosis ^c



Cortex
Ventricles
Thalami
Hippocampi



References



“ Pixyl.Neuro.MS has dramatically improved our ability to detect new lesions on follow-up MRIs, with greater accuracy and confidence. For the investigation of cognitive disorders, Pixyl.Neuro.BV provides reliable information and offers new insights to diagnose neurodegenerative diseases. ”

Prof Krainik, University Hospital Grenoble Alpes (France)

“ Pixyl has been an incredible asset to our Neuroradiology Section, optimizing daily workflow, reducing turnaround times and enhancing Radiology reports. ”

Dr Ramos, Hospital Universitario 12 de Octubre, Madrid (Spain)

“ Pixyl.Neuro.BV provides our service with quantitative information invaluable for diagnosis, and enables a rationalization of the therapeutic decision-making process. ”

Prof Bozzao, Villa Margherita, Roma (Italy)



Winner of the French Radiology Society 2019 Data Challenge



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Partnered with the French Observatory for Multiple Sclerosis

