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SOLUTION

Neuro-vascular

MRI | CT

Faster decisions,
more reliable results



Olea
medical

FASTER DECISIONS, MORE RELIABLE RESULTS



Our Neurovascular Solution, together with its dedicated mobile application, was designed specifically for neuroradiologists working under pressure, seamlessly integrating advanced AI driven detection, quantification and structured reporting directly into your PACS to transform CT and MR datasets into clear, actionable insights within a unified workflow.

Quickly triage large vessel occlusions and hemorrhages in seconds, confidently extract non- and hypoperfused volumes, and generate concise, standardized reports ready for immediate distribution – all without leaving your reading environment. Stay connected on the go with the same mobile app, which delivers real-time alerts, notifications, and a patient image overview.

Empower your team to make faster, more consistent decisions, reduce interpretive variability and ultimately improve patient outcomes when every second counts.



CT Imaging

- LVO detection in the anterior circulation (Distal ICA, M1 & Proximal M2)
- Intracranial hemorrhage flagging on non-contrast CT
- AI-based ASPECTS hypodensity probability heat maps
- CT perfusion mapping (Bayesian-based CBF, CBV, MTT, Delay, TTP, tMIP) with mismatch volume extraction

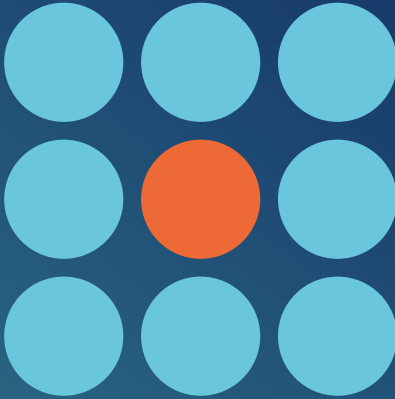
MRI

- Diffusion-Perfusion analysis with mismatch assessment
- DWI-FLAIR volumes mismatch, useful parameter in the infarct dating assessment
- Advanced FLAIR outputs: relative and normalized FLAIR images, r-intensity index based on DWI-FLAIR (with descriptive guide)
- Automated restrictive diffusion and threshold-based hypo-perfused volume extraction



Structured reporting & integration

- Automated, structured, and fully customizable reports for CT and MRI with automatic export to PACS and by email
- Mobile app notification and visualisation of key findings
- Option to add a stop & go to validate results before PACS and email export
- Unified user-friendly interface for centralized access to all post-processed results



Olea Medical, founded in 2008, develops innovative medical imaging software and solutions.

Since 2015, the company has been part of the Canon Group, thereby strengthening its ability to put technology at the service of healthcare.

Backed by multidisciplinary teams and partnerships with renowned medical and scientific institutions, Olea Medical has established itself today as a recognized international player. Its ambition remains unchanged: to improve patient care in order to save as many lives as possible, true to its mantra: **"Improved diagnosis for life"**.

Want more information about our solution?

**BOOK
A DEMO**



<https://www.olea-medical.com/en/request-a-demo/>



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The presented solution consists of several products that are medical devices in their own right. These medical devices related to the post-processing of medical images are reserved for health professionals. Read the instructions in the notice carefully before any use.

MANUFACTURER OLEA MEDICAL SAS (FRANCE)

- Automation Platform V1.5: Class I medical device
- CT Perfusion V1.0, MR Diffusion Perfusion Mismatch V1.0, MR DWI/FLAIR Measurement V1.0, and Olea S. I. A Neurovascular V1.0: Class IIa medical devices - CE 0459 / FDA (US): Class II medical devices
- AI DWI Mismatch V1.0 and Neurovascular Insight V1.0 - CE marking in progress

MANUFACTURER AVICENNA AI (FRANCE)

- CINA® (ICH, LVO & ASPECTS)

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