Urgent care

OLea MEDICAL

The emergency department is a challenging and stressful environment where every minute counts. Emergency department physicians are required to conduct numerous essential tasks to ensure that all admitted patients receive adequate emergency care.

We are aware that an imbalance between workload and resources is highly growing, and you suffer from an excess workload and staff shortage. In this tense environment, there are significant levels of misunderstanding between senior and junior staff and an urgent need for standardization.

In a modern world, you have an overwhelming choice of technological platforms and AI-powered solutions. Choosing the best one without wasting your time may be challenging.

Here are three determining factors that will positively change your way of working in emergency department:

Optimized workload and faster turnaround

Standardization

One environment and one contact person for any request

All these items are embedded in our all-in-one Automation Platform V1.5. We offer a new model of patient-flow dynamics with Automation Platform V1.5 recognized by its significant speed, stability, and efficiency. As you have no time to lose, clinical cases are prioritized and triaged in a timely manner. The automatic report is instantly sent to a preferred radiologist's working device (mobile, e-mail, PACS). Real-time processing considerably helps accelerating routine activities and improves the workflow.

By choosing Automation Platform V1.5, you are investing in a powerful multi-vendor and multi-modality solution that can receive images from different PACS or modalities, tremendously improving your workflow.

Reliable AI-driven solutions include comprehensive neurovascular solutions for both CT and MRI, and automated detection of PE (Pulmonary Embolism) and AD (Aortic Dissection) in CTA. The results populated in a report ensure the smooth experience for the physicians and technologists whatever their expertise level.

MRI

CT

Patient triage & prioritization

Real-time processing

Automatic structured reporting
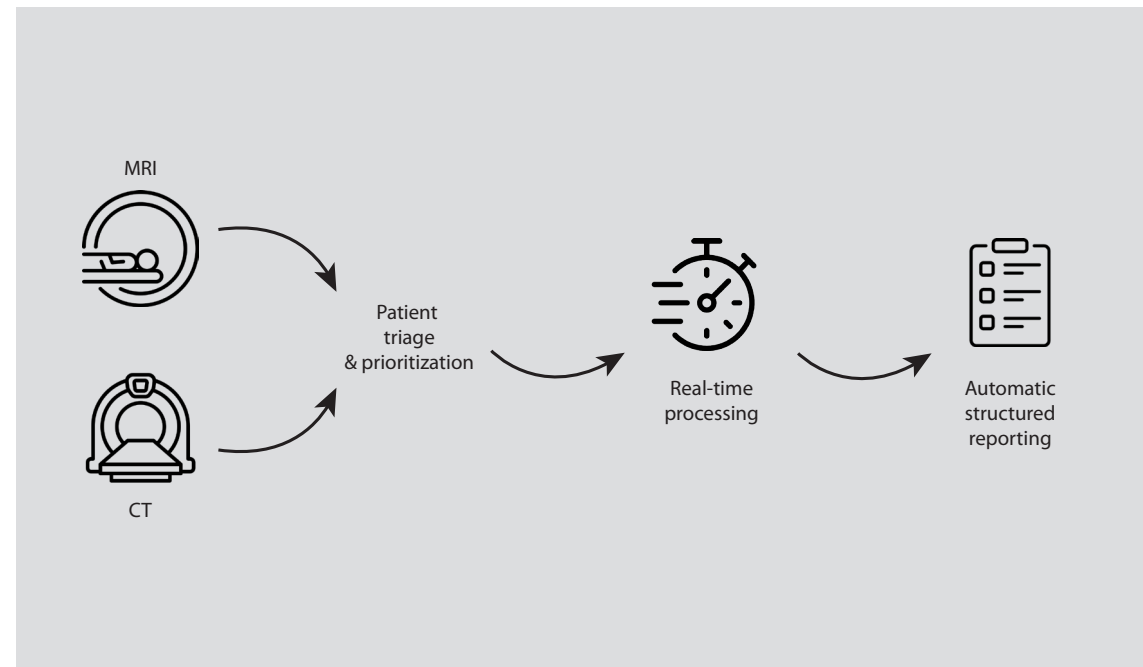
While our automated state-of-the-art algorithms and AI tools improve confidence in the quality of your analysis, adjustable parameters and accessibility to raw images assure you to always keep control on the final decision.

With our new platform there is no need to scramble for information, searching for a specific solution or feature. Thanks to Automation Platform V1.5, you will manage patient workflow with less stress within a unique intuitive interface.

One of the greatest strengths of Automation Platform V1.5 is the people working on it. When you partner with Olea Medical®, you have access to an experienced, innovative team with various expertise. We are highly invested in your success and ready to provide you with both clinical and technological support. A dedicated contact person will provide you with on-demand personalized training and will answer all your questions.

**DEEP DIVE IN THE FEATURES...**

^{Auto}*Neurovascular*

The ^{Auto}Neurovascular solution aims to optimize the hospital workflow through a complete package for acute neurovascular exams. Efficient for both CT and MR scanners, it allows clinicians to use the first available modality without wasting any time. Provides information that may be used by trained specialists for screening, or to support the interpretation process and interventional planning, in conjunction with other patient information.
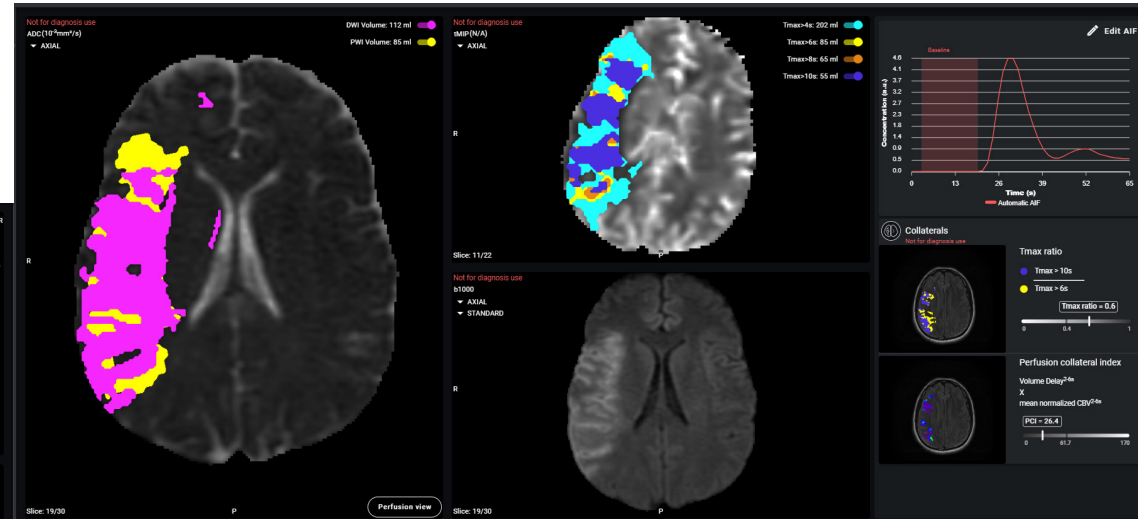
AutoNeurovascular

MRI

DWI-FLAIR
Extraction and calculation of hypointense zones identified on ADC maps and projected on FLAIR maps, as well as contralateral ratios.
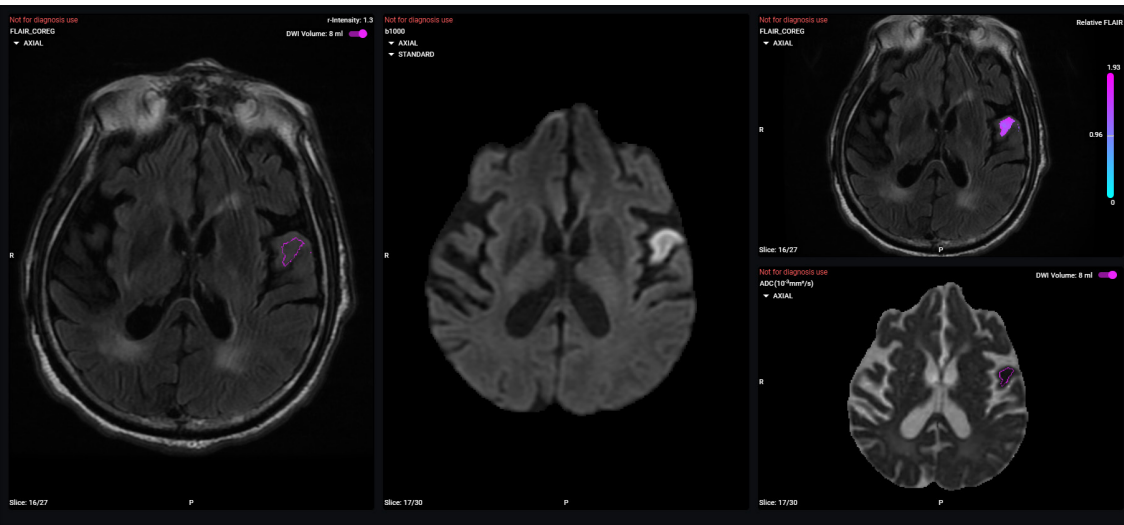
DWI-PWI
Mismatch between diffusion and perfusion to generate multiparametric maps.

MULTIPARAMETRIC COLLATERALS STATUS
Assists trained radiologists and surgeons in the imaging assessment workflow by extraction and communication of key volumes of interest and indexes.

Auto Neurovascular

CT

LVO
Designed to detect LVO
of the anterior circulation.

ASPECTS
Heat map indicating the probability of hypodensity
and/or sulcal effacement in the brain.

ICH
Uses deep learning to identify suspected
intracranial hemorrhage.

^{Auto}Neurovascular

CT

MULTIPARAMETRIC COLLATERALS STATUS

Assists trained radiologists and surgeons
in the imaging assessment workflow by extraction
and communication of key volumes of interest
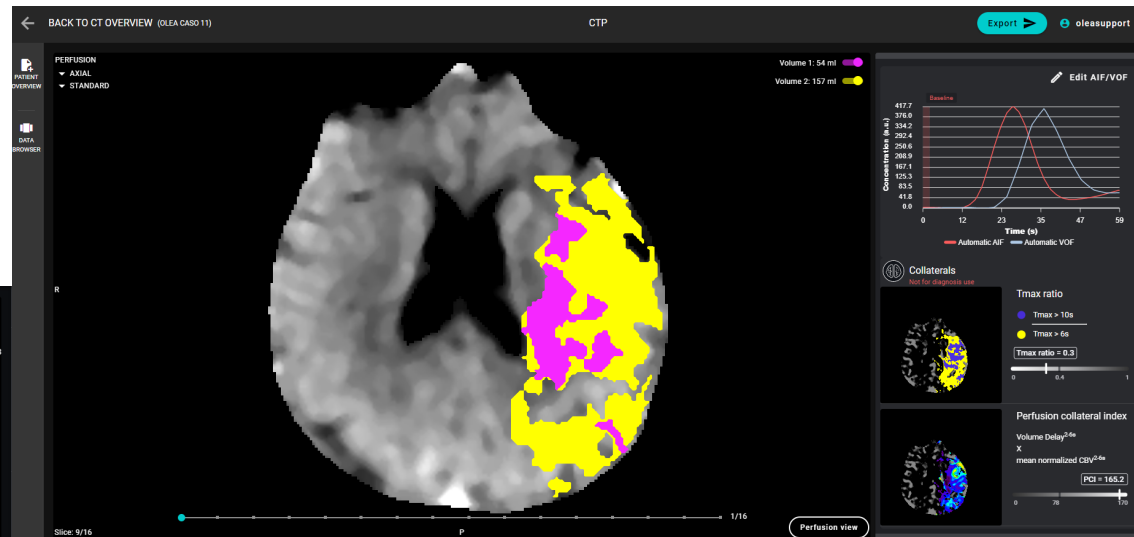and indexes.

CTP

Tool for automatic computation of parametric maps
from CT Perfusion data and extraction of volumes of interest
according to numerical thresholds applied to the maps.
The mismatch calculation between extracted volumes
is automatically provided.

^{Auto}Neurovascular
includes the following applications :

- MR Diffusion Perfusion Mismatch v1.0
- MR DWI/FLAIR Measurement V1.0
- CT Perfusion V1.0
- Olea S.I.A Neurovascular V1.0 (CT and MR)
- Perfusion collaterals MR & CT V1.0
- CINA-ICH®
- CINA-LVO®
- CINA ASPECTS

Auto Chest pain

Designed with a focus on patient management, AutoChest pain includes a suite of advanced algorithms and AI tools to accelerate and improve the decision-making process. It helps healthcare professionals to detect and prioritize life-threatening conditions after CT scan examination.

AutoChest pain

CTA triage and prioritization

AD
Identify acute Type A and B aortic dissection that requires urgent intervention on Chest CT Angiography to flag and triage urgent AD cases.
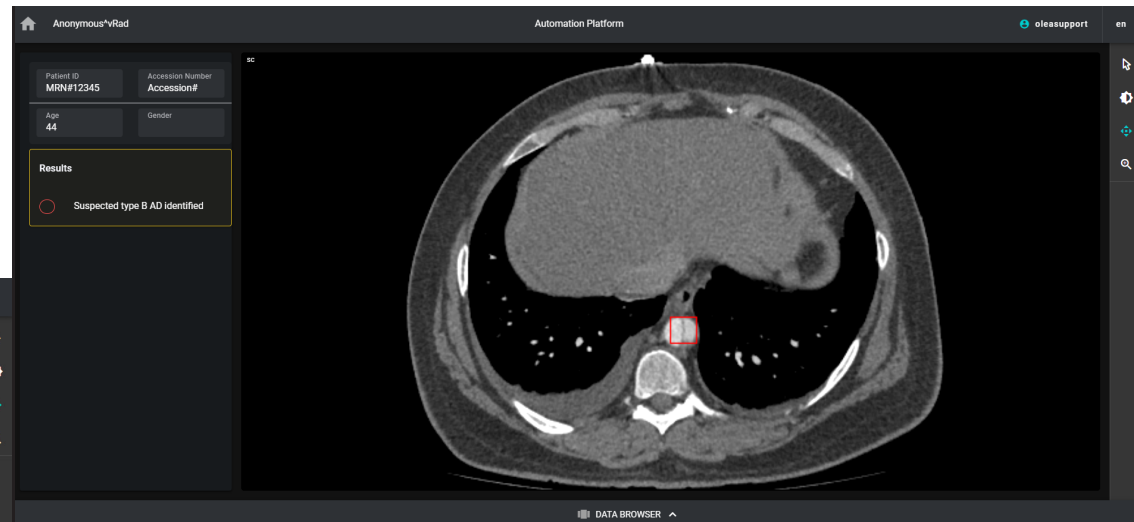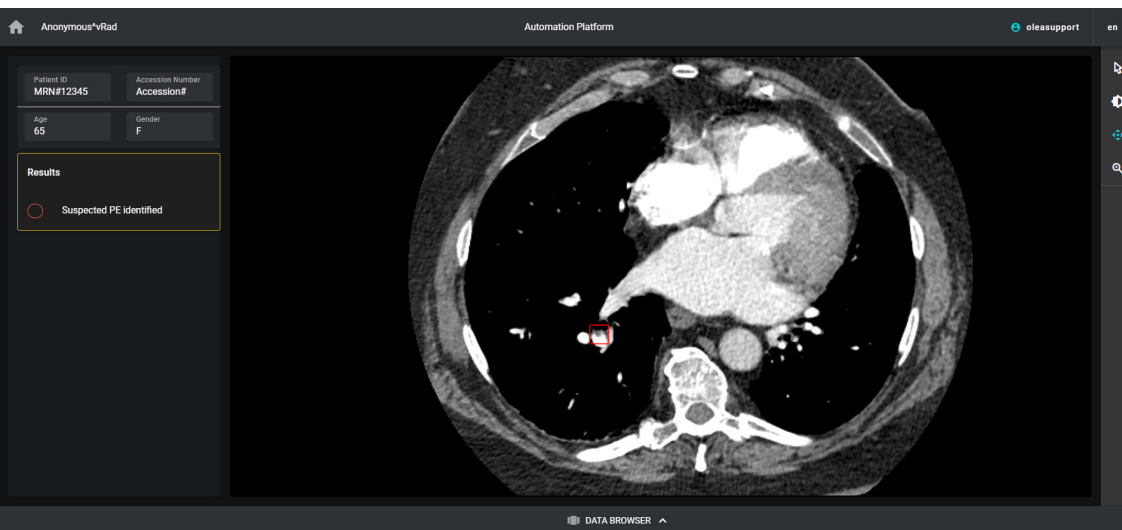
PE
Radiological computer-aided triage and notification software indicated for use in the analysis of chest and thoraco-abdominal CT angiography.

Anonymous^vRad · Automation Platform · oleasupport · en
Patient ID MRN#12345 · Accession Number Accession#
Age 65 · Gender F
Results
Suspected PE identified
DATA BROWSER

Anonymous^vRad · Automation Platform · oleasupport · en
Patient ID MRN#12345 · Accession Number Accession#
Age 44 · Gender
Results
Suspected type B AD identified
DATA BROWSER

AutoChest pain
includes the following applications:

• CINA CHEST - PE
• CINA CHEST - AD

NAME	EMERGENCY		
Packages	**Automation Platform V1.5 Neurovascular MR[1] +Go-live**	**Automation Platform V1.5 Neurovascular CT[2] +Go-live**	**Automation Platform V1.5 CHEST CT +Go-live**
Dockers	DWI PWI Mismatch	ICH	PE
	DWI FLAIR	LVO	AD
	Collaterals research	CT Brain Perfusion	
		Collaterals research	

Go-live (up to 3 modalities)

- Automation Platform V1.5 Installation
- Application configurations
- Modalities, PACS and emails setup
- Protocol optimization
- 2*2-hour On-board remote training

  (provided within a maximum of 6 months from installation)

Maintenance*

- Automation Platform V1.5 Base updates
- Plug-ins updates
- Mobile viewer updates
- Unlimited remote technical support
- Privileged access to new plug-ins
- Additional remote training (2*2 hours) for new plug-ins

*HW responsibility of the customer (physical or virtual server)

OLEA MEDICAL®

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, Medical devices Class I
• Other products: CE MARKING IN PROGRESS

Manufacturer: Avicenna AI (France):
• CINA® (ICH et LVO) • CINA CHEST (PE et AD) • CINA ASPECTS

IMPROVED
DIAGNOSIS
FOR LIFE