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ellipse LAB

Your Lab as you always imagined it.

ellipse

Redesign Care.

CE IVD
Reg EU 2017/746

What is it?

ellipse LAB is our solution for your **Clinical Laboratory.**

Our solution enables you to manage your Lab workflows and supports your decision making process with highly innovative technologies.

What does it do?

ellipse LAB supports and guides your Laboratory staff **in all directional and operational activities** that characterize each individual sector. It seamlessly integrates with corporate or supra-company IT systems. Our **ellipse** platform, along with its accompanying modules, offers a unified solution for digitizing clinical and administrative processes in healthcare, providing a comprehensive and integrated approach.

How does it work?

FAST DELIVERY

Customizable, Microservices Architecture, Templates.

IMMEDIACY

Service Design, User Interface Ergonomics, Domain Expertise, Configurability.

DATA ANALYTICS

Data analysis, performance and statistics.

PROCESSING AND TRACKING PATHS

Prescription, Sample Management, Analysis, Reporting, Medical Report Delivery/Digitalization and Trails Monitor.

HUB AND SPOKE LABORATORY

Single Logical Laboratory Organization, Distributed Multi-Sector Laboratory, Tool Integration.

INTEGRATION OF BUSINESS AND REGIONAL IT SYSTEMS

Interoperability according to each standard, orchestration of clinical processes.

Innovation at your service

Artificial Intelligence

You will be able to leverage AI algorithms in your Laboratory for decision support (e.g. intelligent retrieval of a patient's history depending on the type of investigation and instrumental result).

Digital Twin

Use the KPIs, put forward by the workflow management module or defined by operators, to run simulations to optimize sample management processes. Test it first in the digital twin and then act on reality!

Machine Learning

Apply ML/DL algorithms for anomaly detection (e.g. proactive and predictive identification of abnormal findings that based on particular indicators/conditions are able to provide clinical evaluation/alert elements).

Chatbot e Assistenti Vocali

Interact with virtual assistants/chatbots that can facilitate the retrieval of specific information, the use of particular application functionalities or simply support users for training purposes.

Smart Suggestion

Apply AI and ML algorithms to configure the interface, filters, and widgets based on users' operations and how they use the system, to make the UXoptimal.

What are the advantages?

EXPERINCES

Decades of experience in the field. We have historically seen every generation of LIS.

METHODOLOGIES

Established delivery methodologies that reduce risk and ensure project success.

SUPPORT

Ongoing and timely support from experienced staff at your service.

Technology Features

ARCHITECTURE in MS

Total scalability both horizontally and vertically. The system grows with you.

THE LATEST TECHNOLOGIES

Constantly updated.

INTEGRATIONS

Compliant to any standard (HL7, FHIR, adaptable).

STRONG LOCAL PRESENCE

100
LABS

5
WIDE AREA SOLUTIONS

8MLN
ORDERS/YEAR

65MLN+
TEST/YEAR

9K
ORDER/DAY SINGLE INSTANCES HANDLING