



Consolidation, optimization and innovation

AI-powered Enterprise Imaging
enhances diagnostic confidence
at ASL Roma 2

SISTEMA SANITARIO REGIONALE



**ASL
ROMA 2**

That's life in **flow**.

AGFA 
HealthCare

AGFA HealthCare's Enterprise Imaging Platform with AI is supporting ASL Roma 2 to optimize medical imaging operations, enhance diagnostic confidence, and deliver high-quality patient care across 3 hospitals, 21 outpatient clinics and 6 city districts.

ASL Roma 2, headquartered at the Sandro Pertini Hospital in Rome, is a major public health authority in the city of Rome, Italy, covering a catchment population of over 1.2 million citizens. Formed by the unification of two previous health authorities (ASL Rome B and ASL Rome C), it now comprises three hospitals and **21 outpatient clinics**, across six districts. ASL Roma 2 carries out approximately **500,000 radiological examinations annually**, spread across diverse medical imaging units, including emergency, interventional radiology, mammography, and oncology – each with its own image access and management needs.

To address the challenges of those varied needs, the healthcare provider turned to AGFA HealthCare's [Enterprise Imaging platform](#). The goal was to facilitate the unified sharing of images and reports across multiple sites, and ensure seamless integration of both DICOM and non-DICOM data. By leveraging Enterprise Imaging and the [Elefante® RIS](#), along with their consolidation and AI capabilities, ASL Roma 2 has not only optimized its diverse medical imaging activities, but also significantly enhanced diagnostic confidence and efficiency, to provide high-quality patient care across its extensive network.

AGFA HealthCare's regional dealer, Biesse Medica, led by its Founder and CEO, Mr. Alberto Brugnani, has been instrumental in the project's success. Biesse Medica is the partner in the consortium, and its strong presence in the region provided necessary resources for implementation, go-live, and ongoing support.



Dr. Alberto Di Filippo
Diagnostic Radiologist
at ASL Roma 2

Unified imaging, streamlined data management

For Dr. Alberto Di Filippo, Diagnostic Radiologist at ASL Roma 2, the implementation of AGFA HealthCare's Enterprise Imaging platform has brought much-needed consolidation and innovation to this public health authority, across its many different medical imaging units. "We serve a vast and diverse population, and our medical imaging needs are equally varied. Managing these needs within a unified system was a significant challenge. Enterprise Imaging not only enables organizational optimization, but it also offers significant innovations such as augmented intelligence," he describes.

The AGFA HealthCare solution at ASL Roma 2 includes the [Enterprise Imaging VNA](#), [Enterprise Imaging for Radiology](#) with [RUBEE® AI Packages](#), the [Elefante® RIS](#), the [XERO® Universal Viewer](#), and a patient portal. "Each hospital and district has its own Enterprise Imaging PACS, including a viewer and post-processing software. The solution enables imaging reconstructions for various medical imaging exams and incorporates artificial intelligence applications. Data flows in and out continuously, and remote reporting is possible via secure, web-based consultations. In addition, we have now a patient portal, which enables online consultation and sharing of reports," Dr. Di Filippo continues.

"The core of our platform is the VNA, which provides a central repository for all data across our extensive territory. It stores both DICOM and non-DICOM data, such as multimedia files and reports in various formats. The repository facilitates data consultation by clinicians, and also enables our radiologists to access non-radiological records, such as endoscopy and cardiology reports," he adds.

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Elefante: seamless flow of patient data

Dr. Di Filippo highlights the critical role of the Elefante radiology information system (RIS) in managing the flow of patient data, ensuring that all relevant information is seamlessly integrated and accessible across the network:

“Elefante® RIS manages all data from admission to post-referral consultation, which involves handling substantial amounts of information. AI is built into this system as well, leading to significant optimization and fundamental evolution.”

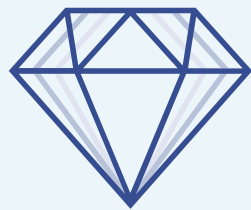
Automating and optimizing clinical workflows with AI

One of the key aims of the implementation project was the introduction of AI tools to support diagnosis, especially for screening and for managing emergencies. “Our Enterprise Imaging solution includes multiple [RUBEE® AI packages](#) offering applications such as advanced visualization and Computer Aided Diagnosis (CAD) systems for detecting suspicious lesions, microcalcifications, and density areas. The packages also orchestrate workflows and include applications that process DICOM data.”

Dr Di Filippo highlights the key role AI plays in triage at ASL Roma 2. “In breast imaging, it helps prioritize the daily work list, saving time and improving diagnostic confidence. In neuroradiology, we have seen improved detection and classification of strokes, which is vital for rapid and accurate treatment. Similarly, in musculoskeletal imaging, the increased sensitivity and accuracy of fracture detection has reduced diagnostic errors and decreased emergency room stay lengths. Given our large catchment, this improvement greatly streamlines emergency room operations.”

“AGFA HealthCare Enterprise Imaging & AI packages have greatly streamlined our processes, enhancing diagnostic precision while reducing reporting times, improving patient management, and optimizing hospital workload distribution.”

Dr. Alberto Di Filippo
Diagnostic Radiologist at ASL Roma 2



RUBEE®

“Enterprise Imaging’s integration of AI has led to significant optimization in our processes. It has not only increased diagnostic confidence but also reduced reporting times, improved patient management, and optimized hospital workloads,” Dr. Di Filippo concludes. “The benefits are evident across our hospitals, reflecting a significant step forward in how we deliver radiological care.”

RUBEE® AI Packages at ASL Roma 2

RUBEE® Breast AI INSIGHT Package Powered by Lunit

This software detects potentially malignant nodules and microcalcifications, performs density analysis, and prioritizes cases.

It assigns scores and Breast Imaging Reporting and Data System (BI-RADS) classifications to lesions, ensuring thorough evaluations. Automatic triage prioritizes examinations with suspicious lesions, enhancing efficiency and diagnostic confidence.

RUBEE® Neuro AI CINA Package Avicenna.AI

This software detects and categorizes ischemic and hemorrhagic strokes, ranking cases based on severity.

It prioritizes ischemic strokes caused by major arterial occlusions, which is crucial for rapid therapeutic management.

It thus significantly improves diagnostic confidence and specificity.

RUBEE® MSK AI Package Powered by Gleamer

This software automatically detects fractures, measures bones, and assesses bone age, thereby helping to reduce diagnostic errors.

It increases sensitivity, reduces reading times, and decreases emergency room stay lengths.

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Dr. Alberto Di Filippo
Diagnostic Radiologist at ASL Roma 2



THE AGFA HEALTHCARE SOLUTION

- **Enterprise Imaging VNA:**

it simplifies the IT landscape, and enhances clinical collaboration and confidence, with curated, good-quality multimedia image data, stored in one place.

[Read more](#)

- **Enterprise Imaging for Radiology:**

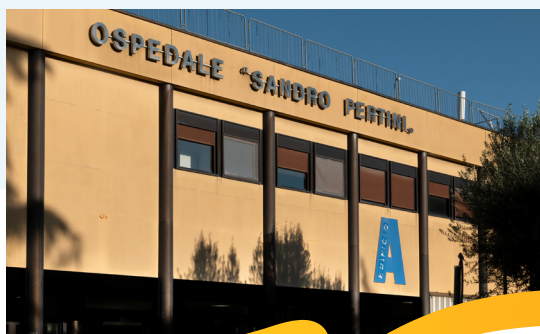
a unified radiology platform that enables every radiologist to work at the top of their craft, with near-real-time access to images, powerful diagnostic tools, shared workflows across sites, and enhanced collaboration.

[Read more](#)

- **Elefante® Radiology Information System (RIS):**

developed to meet the specific needs and requirements of Italian healthcare providers, the Elefante® RIS delivers rich functionality, and flexibility for different levels of integration, workflow complexity, hierarchies and security needs.

[Read More](#)



- **XERO® Viewer:**

this universal viewer enables secure, patient-centric image access from across all specialties in the enterprise, with enhanced viewing, clinical depth, collaboration and sharing, on a single web viewer. It requires no software download of any kind, so every clinician can quickly and securely access medical images and reports from any location, for fast and informed decision-making.

[Read More](#)

- **RUBEE® for AI:**

enables a seamless augmented intelligence (AI) experience for clinicians. Carefully curated 'packages' embed best-of-breed AI apps that work seamlessly to support the clinical workflow from start to finish.

[Read More](#)

- **XERO® Portal:**

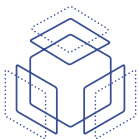
enhances patients' involvement in their own care and increases the value of consultations for patient and referring physician alike, by making it easy for them to access and share medical imaging data.

[Read More](#)

To learn how AGFA HealthCare can be your partner in Enterprise Imaging, contact your Client Executive

or email enterpriseimaging@agfa.com

Get in Touch



**Enterprise
Imaging
Platform**

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