

PHILIPS



Unified reporting for seamless integration

Who:

- Dr. Lisandro Paganini, Head of Radiology, IAF
- Martin Bonorino, Deputy Systems Manager, IAF

Where:

Alexander Fleming Institute (IAF), Buenos Aires, Argentina.
Premier private oncology center in Latin America

Challenge:

Managing high-volume, complex oncology imaging while maintaining quality and speed of reporting.

Solution:

Unified radiology workspace with native advanced multimedia reporting and advanced analysis, including patient and physician portals

The Alexander Fleming Institute (IAF), a leading oncology center in Buenos Aires, has transformed its imaging workflow with a unified diagnostic workspace, enabling faster reporting, seamless communication, and a scalable foundation for AI.

Managing high-volume, complex oncology imaging while maintaining quality and speed of reporting. IAF needed an integrated system to unify radiology workflows, enhance clinician communication, and support its digital transformation journey.

Philips: a proven partner

Philips has partnered with IAF not only as a technology provider but as a collaborator in driving digital transformation. With a deep understanding of oncology workflows and extensive experience in deploying enterprise imaging worldwide, Philips supports IAF in achieving efficiency gains today with a unified radiology workspace with native advanced multimedia reporting, advanced visualization while preparing for AI-enabled precision oncology tomorrow.

Key results achieved*

**time savings of
5–10 minutes
per case**

Faster report turnaround

**Improved
communication**

interactive multimedia reports
with hyperlinks and tumor
evolution charts

Zero printing

patient and clinician portals
for direct digital access



Dr. Lisandro Paganini, Head of Radiology, IAF, using interactive reporting



"Our challenge is maintaining the quality and depth of each report while delivering results quickly, especially for complex oncology cases."

Dr. Lisandro Paganini,
Head of Radiology, IAF

Meeting the challenge of precision imaging in oncology

Located in Buenos Aires, Argentina, the Alexander Fleming Institute (IAF) is a premier private oncology center in Latin America. With a growing caseload of over 9,000 imaging studies per month, and a team of 40+ highly specialized radiologists, IAF is recognized for its excellence in cancer diagnosis and treatment. The demands of oncologic imaging, requiring precision, consistency, and rapid multidisciplinary communication with peers were pushing the limits of traditional radiology workflows. The institute faced mounting challenges: increasing patient volumes, growing reporting complexity, and the need to deliver precise information in less time. With an annual increase of 8 to 10%, this expansion has been fueled by the continuous incorporation of advanced diagnostic technologies such as tomography, PET-MRI, and densitometry. These additions have enabled the institute to offer a more comprehensive and integrated imaging service, especially critical in oncology, where a holistic view of the patient is essential for accurate diagnosis and effective treatment planning.

IAF sought a solution that could improve productivity, integrate post-processing, enhance communication with clinicians, and support ongoing digital transformation. This required a fully integrated radiology platform which can combine native voice-recognition reporting, interactive multimedia tools, advanced visualization, and seamless interoperability with third-party systems.

Interactive multimedia reporting: saving time, improving clarity

The implementation of the PACS system marked a turning point for the institute—more than just a technological upgrade, it signified a profound cultural transformation. "It wasn't only about going digital," Dr. Lisandro Paganini, Head of Radiology, IAF shares, "it's about changing the way we think, communicate, and work across the entire institution."

The first two years after implementation were particularly transformative. Beyond deploying a new imaging system, the team undertook the ambitious task of digitizing core processes and establishing interoperability between various clinical systems. "That integration was one of our biggest challenges," they explain. "It required aligning technology, workflows, and mindsets across departments," shares Martin Bonorino, Deputy Systems Manager, IAF

“The benefit we gain from integrating systems and applying the most appropriate clinical tools within a single PACS environment, in the same workstation, clearly optimizes the workflow and the time the radiologist dedicates to each report. The time savings can range between 5 and 10 minutes, depending on the case, but also improve communication with specialists, and deliver increasingly detailed images and reports. ”

Dr. Lisandro Paganini, Head of Radiology, IAF



“Our ecosystem only works because systems communicate. What’s truly valuable is how easily we can configure different workflows, whether a nurse is involved, or whether a technician leads the process, or if the patient is seen directly by a physician. The platform allows us to standardize and scale those variations efficiently.”

Martin Bonorino,
Deputy Systems Manager, IAF

The unified radiology workspace solution marked a paradigm shift, not only streamlined operations but also elevated the quality of diagnostic imaging having all available in one workspace. Radiologists now operate in a single, unified environment, accessing studies, reviewing images, and generating advanced reports with embedded hyperlinks, lesion tracking, and comparative analysis tools - giving referring clinicians immediate access to what matters most. “In oncology, you can’t evaluate a current image in isolation,” underline Dr. Paganini. “You need the entire timeline - the evolution of the disease is often where the real insights lie. Having immediate access to that history through PACS has fundamentally changed how we approach diagnosis and treatment.”

The ability to access a patient’s full imaging history on a single platform and to the most appropriate and advanced analysis for each case in a single workflow has been especially impactful in the daily work.

Multimedia enriched reports allow referring physicians to click directly on key findings, saving time during consultations and even during surgeries. Hyperlinked measurements, image bookmarks, and volumetric data deliver faster and actionable insights to facilitate collaboration without boundaries across specialties, and boost the quality and efficiency in interdisciplinary meetings providing the quantitative grounds and easy access to key images for in depth clinical discussions on further patient management Radiologists can include tumor evolution charts, graphs, and RECIST-based comparisons that illustrate objectively treatment response over time — a critical factor when managing protocols in oncology. Now the reports do more than just describe, they visualize. Tumor progression is charted over time using embedded graphs and volumetric comparisons, providing a comprehensive picture of response to treatment. This is especially critical in IAF’s oncology programs like the monitoring of lung nodules, as lesion volume offers more precise and comprehensive information on the evolution going beyond the limits of a single dimension measurement like diameters, which in turn could result in making an impact on the course of care.

3. Radiology without boundaries: a fully connected workflow

Behind the scenes, IAF’s IT infrastructure relies on tight interoperability between different systems. Managing that complexity is not an easy task, as shared by Martin Bonorino, Deputy Systems Manager IAF: “Our reality forces us to work on continuous interoperability. Each system tends to solve one piece of the healthcare puzzle, and our role is to make sure those pieces fit together seamlessly.”

This effort goes beyond technical compatibility; it’s about creating a unified experience for both patients and staff. “We put a lot of work into making these different systems behave as one cohesive platform,” Martin Bonorino adds. “Whether it’s clinical or administrative workflows, the goal is transparency and fluidity across the entire care journey”. From an IT perspective, the radiology department is part of a broader, interconnected hospital ecosystem. For Martin Bonorino, Deputy Systems Manager, Philips plays a central role in keeping this ecosystem stable and scalable. Today, when a patient arrives at IAF, their information is instantly registered into the electronic medical record. As the imaging process begins, an HL7 message is automatically sent to the system, triggering the necessary tasks for the technician.

Once the exam is completed, the radiologist generates the diagnostic report, which is made available not only internally but also through the Patient portal so that patients can access their images directly.



This interoperability ensures that despite having different platforms for admissions, billing, and scheduling, the radiology process remains uninterrupted, and future innovation is always possible. For IAF, these capabilities have translated into tangible benefits: improved coordination, faster turnaround times, and an enhanced patient experience where technology quietly supports care without getting in the way.

Productivity gains through intuitive tools and shared access

By unifying their diagnostic and visualization workflows, IAF has achieved tangible efficiency gains. “We’ve eliminated redundant steps between clinical and administrative systems. Now, reports are automatically routed to both the internal EMR and the patient portal—reducing backlogs and freeing up staff time,” shares Dr. Paganini. Radiologists now spend less time switching systems or searching for prior exams. Instead, they work within a single, fluid workspace where advanced post-processing and lesion tracking tools are embedded.

Clinicians and patients benefit too. Through a secure enterprise viewer and a dedicated Patient Portal, both groups gain secure, real-time access to reports and images from anywhere - eliminating printouts and unnecessary return visits. “It represents an important step forward in patient care. Patients can now access results much more quickly, and printing has been greatly reduced” explains Dr. Paganini.

A platform for AI—and the future

With a constant annual growth rate, IAF is preparing for the next evolution of cancer imaging: the integration of artificial intelligence. Dr. Paganini and the clinical team are committed to understanding, validating, and co-developing AI solutions that will support radiologists—not replacing them. “We want to lead in AI. That means training radiologists to understand, validate, and shape the tools, not just use them,” shares Dr. Paganini. The long-term vision includes virtual agents that prioritize worklists, suggest findings, and embed clinical data contextually, all always integrated into the diagnostic workspace designed for evolution. “The future is about simplifying how everything connects: all in one intelligent system.” concludes Mr. Bonorino. IAF’s vision is a future where a virtual agent helps radiologists manage their reading list, integrate clinical data in real time, and reduce errors through intelligent support. Philips is part of that journey, not just as a vendor, but as a collaborative partner.

“From the moment a patient is registered to the delivery of the final report, every step is digitized, standardized, and connected. That’s where we’ve seen the biggest gains: less time lost to manual tasks, fewer errors, and much faster turnaround.”

Martin Bonorino, Deputy Systems Manager, IAF

Learn more

Discover how Philips Diagnostic Workspace can transform your imaging workflow ›

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