
Policlinico Casilino Hospital to Leverage State-of-the-Art Diagnostic Technology from United Imaging



We are excited to share that, in partnership with Fora S.p.A., an industry leader with over 50 years of expertise in delivering advanced diagnostic technologies to the Italian market, Policlinico Casilino Hospital will join the global [United Imaging](#) network. Demonstrating its commitment to innovation and growth, the hospital has selected the industry-leading 640-slice CT (computed tomography) scanner to upgrade its diagnostic centre.

Bringing Innovation to Rome's Leading Treatment Center

Located in the southeast of Rome, Policlinico Casilino Hospital is a renowned medical institution within the Eurosanità S.p.A. Group. The hospital has a Level I DEA emergency room, which, with about 70,000 admissions each year, positioning it as one of the leading centres in the Roman emergency. This impressive facility has 236 inpatient beds, 16 Day Hospital/Day Surgery beds, and nine operating theaters. Additionally, Policlinico Casilino features a dialysis centre with 19 stations for both haemodialysis and peritoneal treatments.

The hospital's extensive surgical department provides a wide range of specialised services, including oncological and emergency surgeries, as well as procedures in vascular, orthopaedic, trauma, urology, plastic surgery, and ophthalmology. Similarly, the medical department is dedicated to comprehensive patient care, delivering highly specialised services in cardiology, internal medicine, and gastroenterology.

Beyond its Level I DEA Emergency Department, the hospital boasts a well-equipped Intensive Care Unit, along with a specialised Cardiology Intensive Care Unit. Recognised as one of Italy's leading facilities for maternal-infant care, Policlinico Casilino excels in gynaecology, obstetrics, and neonatology, handling over 4,600 deliveries annually.

The Diagnostic Imaging Unit delivers a wide range of diagnostic services, from advanced cardiac assessments to interventional radiology procedures. Policlinico Casilino sought a leading-edge CT technology that could meet evolving patient needs. Consequently, the hospital has chosen to install our advanced [uCT 960+](#).

What Makes the uCT 960+ Technology Unique?

The uCT 960+ is our flagship CT scanner, featuring an ultra-wide 82 cm bore and a table weight capacity of 318 kg to accommodate a diverse range of patients and ensure a comfortable experience. With a 16 cm z-axis detector, 0.5 mm detector size, and a 0.25-second rotation speed, the uCT 960+ provides excellent imaging quality in a shorter time, significantly enhancing diagnostic accuracy and increasing patient throughput. These capabilities are further supported by AI-powered technologies, enabling the uCT 960+ to produce high-quality images at reduced radiation doses, all while streamlining the diagnostic process.

The engineering behind diagnostic excellence

The innovative Z-Detector

- 3D-printed anti-scatter grids effectively reject scattered photons, improving CT imaging results.
- Through-silicon-via (TSV) technology enhances detector performance by reducing electronic noise.
- Our reconstruction technology mitigates cone beam artifacts, minimizing diagnostic errors.

Optimized Radiation

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60 kVp scans reduce radiation dose without compromising image quality. Moreover, United Imaging developed uAI Dose Modulation, which automatically recognises different body regions (chest and abdomen), adjusting noise levels and radiation doses accordingly. Finally, uAI Easy-ISO carefully adjusts the patient's surface dose distribution for each examination.

High patient throughput

Our powerful platform and AI-empowered workflow, such as single-click patient positioning thanks to the uAI Vision camera, ensure efficient processing and superior diagnostic accuracy, supporting large daily patient throughput while maintaining high image quality.

Intelligent workflow for cardiac imaging

CardioAssist, CardioAdapt, CardioXphase, and CardioCapture, which is based on deep learning algorithms, it can freeze coronary motion with a time resolution of 25 ms and are able to streamline the workflow and enhance diagnostic confidence.

4D stroke imaging solution

One-stop 4D stroke imaging solution transforms stroke care by providing comprehensive information from anatomical structure to functional measurements.

Dynamic Perfusion Scans with up to 40 cm z-coverage

Shuttle perfusion technology provides a dynamic perfusion scanning range as wide as 40 cm, and variable bed speed, facilitating precise evaluation of tumour vascularity and treatment response.

Shaping the Future of Global Diagnostics: One Installation at a Time

Our technology embodies our commitment to enhancing global access to diagnostics and transforming patient lives. Each installation of our equipment serves as a testament to this dedication.

We would like to express our sincere gratitude to Fora S.p.A. for their invaluable collaboration.

Discover the future of imaging. Visit our website to learn more about the powerful features of the uCT 960+: <https://eu.united-imaging.com/en/product-service/products/ct/uct-960>.

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