
World's First Ultra-wide-bore 3T MRI



[United Imaging Healthcare](#), a global leader in advanced medical imaging and radiotherapy equipment, announced that the [uMR Omega™](#) has recently been installed in the world-renowned IRCSS Sacro Cuore Don Calabria hospital, thanks to a partnership with FORA S.p.A.

United Imaging has successfully designed the world's first 75 cm ultra-wide bore 3.0T MRI, providing a unique, patient-centric experience designed to improve patients' comfort during the MRI exam, as well as offering exceptional image quality and scan speed.

Driven by patient experience, uMR Omega™ was created to eliminate the physical limitations, providing patients with 25% of additional space with a unique starlight environment, minimising the risk of a panic attack in claustrophobic patients.

United Imaging addresses the needs of healthcare providers by designing a scanner that can comfortably accommodate more patients. The uMR Omega™ represents a more accommodating MRI scanning environment; its vast space opens up new ways of patient positioning, expanding diagnostic potential for joint examinations, large patients, and pregnant women.

Its installation in The IRCSS Sacro Cuore Don Calabria hospital represents United Imaging's efforts to foray deeper into Western Europe. The IRCSS Sacro Cuore Don Calabria hospital relied on the uMR Omega™ for its ultra-wide construction, providing the opportunity to offer the MRI for a larger number of patients, without excluding any specific populations.

Recognising the value of artificial intelligence, United Imaging introduced the ACS which makes high-quality imaging more attainable and faster, combining CS (Compressed Sense), HF (Half Fourier), and PI (Parallel Imaging).

The Qscan, coupled with AI technologies such as ACS and DeepRecon, offers whole-body quiet scanning, fast scanning time and even greater potential to provide radiologists with higher acceleration levels for MRI imaging and better depiction of small anatomical structures.

The uMR Omega™ represents a significant breakthrough, addressing the needs of healthcare providers and patients, and removing barriers to care for more people.

United Imaging Healthcare highlighted, "Already improving the standard of care in the IRCSS Sacro Cuore Don Calabria hospital, the uMR Omega™ has the mission of making advanced imaging modalities widely available".

Source: [United Imaging Healthcare](#)

More about [uMR Omega™](#)

Published on : Thu, 18 May 2023