
Advancing Cancer Care: Maria Skłodowska-Curie Institute Adopts uMI780 PET/CT Technology



Located in Warsaw, the capital of Poland, the Maria Skłodowska-Curie National Research Institute of Oncology is a leading centre for cancer research and treatment with over 85 years of distinguished tradition. A beacon of modern oncological care, the centre comprises 13 highly specialised departments, each dedicated to providing the highest level of medical care. With an impressive capacity of 741 beds, it employs a multidisciplinary team of 437 highly experienced specialists. More than 50,000 inpatients and nearly 400,000 outpatients are treated each year. Since its establishment in 1925 by Maria Skłodowska-Curie, following the success of the first Radium Institute she started at the University of Paris in 1918, the centre has been consistently at the forefront of cancer research, coordinating projects aimed at translating findings into clinical practice. Over the years, countless patients have benefited from groundbreaking treatments developed through various phase I-II clinical trials.

United Imaging is delighted to announce that the Maria Skłodowska-Curie National Research Institute of Oncology has recently selected the [uMI780](#) state-of-the-art ultra-fast high-resolution digital PET/CT system. This decision represents a significant leap forward in cancer diagnosis and underscores the Institute's commitment to advancing cancer research and ensuring the highest level of medical care.

The [uMI780](#) heralds a revolutionary era in diagnostic technology, bringing unprecedented imaging capabilities. This ultramodern system seamlessly integrates the unique features of long axial FOV digital positron emission tomography (PET) with 160-slice computed tomography (CT), delivering an impressive 2.9 mm NEMA resolution and 16cps/kBq sensitivity. As a result, the uMI780 provides unparalleled levels of precision, sensitivity, and coverage. Additionally, its exceptional speed enables whole body scans to be performed in as little as 5 minutes.

To achieve such remarkable results, [United Imaging Healthcare](#) has employed several innovative technologies. The integrated light guide substantially improves light collection efficiency and spatial resolution, while SiPM technology increases photoelectric conversion efficiency to reduce signal loss. Additionally, the highly modular design guarantees exceptional system reliability and serviceability, ensuring long-lasting functionality and a seamless workflow. Furthermore, reduced tracer injection minimises radiation exposure without compromising image quality.

The uMI780 epitomises United Imaging's unwavering commitment to developing imaging modalities that offer limitless diagnostic potential while prioritising patient well-being and safety. United Imaging is privileged to earn the trust of the esteemed Maria Skłodowska-Curie National Research Institute of Oncology through this collaboration. This partnership means that thousands of patients treated at the centre will now benefit from faster and accurate diagnoses, resulting in optimal treatment planning and, ultimately, the most favourable outcomes.

Source: [United Imaging](#)

Published on : Thu, 7 Sep 2023