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HKSH Medical Group and United Imaging announce launch of Hong Kong's first Long-Axial PET/CT

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World's first medical institute to use dual-tracer PET with Â¹Â¹C-acetate and 18F-FDG mainly for the detection of hepatocellular carcinoma (HCC), renal cell carcinoma and myeloma

HKSH Medical Group (HKSH) and United Imaging Healthcare (United Imaging) have announced the arrival of Hong Kong's first long-axial PET/CT, the uMI Panorama GS, at HKSH Cancer Centre, providing a new technology platform for molecular imaging clinical applications and research in Hong Kong.

As one of Hong Kong's leading private hospitals, HKSH brings more than a century of clinical experience and has long been committed to advancing precision medicine, actively adopting innovative technologies and promoting clinical research in cancer diagnosis to enable more precise clinical diagnosis and treatment planning.

As the world's first medical institute to use dual-tracer PET with ^{11}C-acetate and ^{18}F-FDG mainly for the detection of hepatocellular carcinoma (HCC), renal cell carcinoma and myeloma, HKSH leverages the complementary properties of the two tracers to address the diagnostic limitations associated with the relatively low sensitivity of conventional tracers in the early stage of these tumors.

uMI Panorama GS also enables reduced patient radiation exposure while preserving consistent, high-quality image quality and significantly shortening scan duration. For pediatric and other radiation-sensitive patients, shorter scan time can also mitigate challenges related to patient compliance, enabling a more efficient, patient-centric PET imaging workflow. All these advantages, together with much-improved electronics and algorithms, contribute to the capability of tracer dynamic studies. The addition of a time variable can resolve different phases of tracer interaction with the target organ or tumors.

Since May 2025, HKSH and United Imaging have been engaged in a strategic collaboration focused on advanced CT technologies and clinical applications. With Hong Kong's first long-axial PET/CT now at HKSH, the collaboration will continue to deepen between clinical needs and technological innovation.