

HKSH Medical Group brings precision radiation medicine for cancer patients

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Elekta Unity is installed at the recently opened HKSH Cancer Centre of HKSH Eastern Medical Centre



Elekta Unity, a transformative magnetic resonance radiation therapy (MR/RT) system that enables personalized precision radiation therapy, is in clinical use at HKSH Cancer Centre. The milestone marks the first clinical use of Elekta Unity in Asia.

HKSH recently started treating its first patient using Elekta Unity. The patient is receiving treatment for bladder cancer. The initial treatments were delivered within a 23 minute treatment time slot highlighting the excellent efforts of the HKSH team and the optimized clinical workflow of Elekta Unity.

Elekta Unity combines two technologies: a state-of-the-art 1.5T MRI scanner and a best-in-class 7 MV linear accelerator, driven by breakthrough real-time adaptive radiotherapy software. It provides the ability to reshape the dose based on daily changes in shape, size and position of the tumor and surrounding healthy anatomy, as visualized with MRI, and then enables accurate dose delivery with real-time visualization of the tumor.

Elekta Unity is installed at the recently opened HKSH Cancer Centre of HKSH Eastern Medical Centre which offers an array of advanced diagnostic and therapeutic technologies. HKSH Eastern Medical Centre is the newest member of HKSH Medical Group, (HKSH) in addition to Hong Kong Sanatorium & Hospital and HKSH Healthcare.

"With Elekta Unity in clinical use in Asia, we are closer to achieving our goal of making cutting-edge, precision radiation medicine available to cancer patients around the world," said Richard Hausmann, Elekta President and CEO. "Clinical sites in Europe and the U.S. are seeing increased precision, shorter treatment regimens and the ability to target hard-to-treat tumors. We expect the system will be implemented clinically in additional countries and global regions in the months ahead."