



養和醫院

HONG KONG SANATORIUM & HOSPITAL

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HKSH Installs the First da Vinci S Robotic Surgical System in Hong Kong Opens Up New Horizons in Minimally Invasive Surgery

(26 March 2007, Hong Kong) The Hong Kong Sanatorium & Hospital (HKSH) announces today the service launch of the da Vinci S Robotic Surgical System (the System) in its Minimally Invasive Surgery Centre. HKSH is the first hospital in the private health care sector in Hong Kong to introduce the latest and upgraded model of the da Vinci S Robotic Surgical System.

Doctors of the Hospital have been performing a wide range of operations with the minimum of trauma for the benefits of patients since 1992. To accelerate development of minimally invasive surgery, HKSH established the first Minimally Invasive Surgery Centre in Hong Kong in 2003. The Centre is managed by a group of experienced specialists in minimally invasive and endoscopic surgery.

It has long been established that minimally invasive surgery brings lots of benefits to patients such as less post-operative pain and faster recovery. However, minimally invasive surgery performed with conventional laparoscopic instruments has limitations. For instance, equipments used in conventional minimally invasive surgery have only 4 degrees freedom of motion that limit the dexterity of surgeons' hand movements. Besides, in conventional laparoscopic surgery, the monitor only provides 2D images without depth perception that restricts visual field of surgeons. The da Vinci S Robotic Surgical System is designed to overcome these limitations.

“The System enables surgeons to perform operations with robotically assisted technique, thus combining the advantages of minimally invasive surgery and dexterity in open surgery,” said Dr. Walton Li, Medical Superintendent, Hong Kong Sanatorium & Hospital. The da Vinci S Robotic Surgical System consists of 4 interactive robotic arms, a high-performance vision system and proprietary Endo Wrist® instruments. The System allows surgeons' hand movements with 6 degrees freedom of motion, that means the dexterity of human hands is restored. The vision system provides superb 3D vision of the surgical field with up to ten times magnification. Moreover, the System can filter off hand tremors and scale down movement to one-fifth of its magnitude. Surgeons can now operate using the System with better control, accuracy and precision.

The da Vinci S Robotic Surgical System is designed to perform a wide range of complex surgery in a minimally invasive approach, namely, urological surgery, gynaecological surgery, general surgery, cardiac surgery, thoracic surgery and paediatric surgery. Studies have been shown that robotic radical prostatectomy can improve cancer control, improve continence and enhance sexual potency as compared to open radical prostatectomy.



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By employing the System in minimally invasive surgery, patients can benefit from faster recovery, shorter length of stay, lower complication rate, less blood transfusions, less post-operative pain, smaller scars and superior surgical outcomes.

“Patient safety is the top priority. To guarantee patient safety and unparalleled surgical outcomes, our Hospital requires all surgeons who use the da Vinci S Robotic Surgical System to have received certification and accreditation of their skill,” Dr. Walton Li added.

With the introduction of the da Vinci S Robotic Surgical System, the HKSH Minimally Invasive Surgery Centre aims at benefiting more patients with this advanced medical technology.

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