



# Era for multiple gynecologic surgical robotic systems in Asia market

Keun Ho Lee

Department of Obstetrics and Gynecology, Seoul St. Mary's Hospital, Seoul, Korea

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The Asian Society for Gynecologic Robotic Surgery (ASGRS) and The Society of Korean Robotic Gynecologic Surgery (SKRGS) plays a significant role in promoting and advancing robotic surgery in gynecology across Asia. They provide consensus guidelines and organize conferences to facilitate knowledge exchange among expert. The ASGRS consensus guidelines cover various domain, including benign and malignant gynecologic robotic surgery. Now many of surgical products are introduced to Asian market.

The da Vinci surgical system, developed by Intuitive Surgical, is a leading robotic technology globally. It received U.S. Food and Drug Administration (FDA) approval for gynecology in 2005. The system consists of a surgeon's console with a control panel and a high definition monitor. Robotic arms, attached to the patient side-cart, perform precise movements during surgery.

Meerecompany Inc, in Korea manufactured and launched a surgical robotic system named Revo-I in 2017. This is the first innovative laparoscopic surgical robot in Korea and the first competing robot platform to confront intuitive surgical robot. And this product can also be used Middle Asian and

middle east country.

CMR Surgical's Versius robotic system is designed to enhance minimal access surgery by providing greater precision, flexibility, and ease of use. This system was launched in some of Asian country, Hong Kong and India. The system offers benefits like reduced surgeon fatigue due to its ergonomic design, haptic feedback for better control, and the ability to perform complex procedures with minimal invasiveness.

The HUGO RAS system features an HD-3D passive display, allowing the surgeon to visualize the surgical field. Each arm cart carries a robotic arm with an impressive range of adaptability due to multiple joints. Flexibility and adaptability are key features, enabling precise movements during surgery. The first gynecologic procedures in the Asia region using this system were successfully performed on August 2021 in India. The system has also received approvals in Japan.

The Hinotori Surgical Robotic system is marking waves in the field of gynecologic surgery. This system was developed in Japan and made its debut for hysterectomy in December

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• Corresponding author: **Keun Ho Lee**

Department of Obstetrics and Gynecology, Seoul St. Mary's Hospital, 222 Banpo-daero, Seocho-gu, Seoul 06591, Korea

E-mail: hohoho@catholic.ac.kr

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2022. It has gained official approval for use in urology, gastroenterology, and gynecology. Its precision and versatility make it a valuable addition to the armamentarium of gynecologists.

Toumai laparoscopic surgical robot was developed by Chinese company. In November 2021, first hysterectomy using this system marked a breakthrough in gynecological surgery in China. This system has implemented ultra-remote surgery using 5T + AI technology.

The gynecologic field is witnessing exciting developments in surgical robotics. The details on the new robotic systems, including daVinci Generation 5 (DV5) in upcoming issues of the *Gynecologic Robotic Surgery* (GRS) journal.

**Conflict of interest**

No potential conflict of interest relevant to this article was reported.