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The first experiences with the new surgical robotic platform Revo-i. The future of robotics is bright

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Robot-assisted surgery has become during the last 20 years a widespread treatment option in urology. The increasing robotic market was predominated during this time by only one this factor has led to the rising robotic platform, disposables and maintenance costs.

However, in recent years, other new robotic platforms have emerged in the market as potential competitors which are providing comparable technical features with the market leader. Nevertheless, they are aiming to make robotic surgery cost-effective and financially possible for a wider patient spectrum.

One of the new robotic platforms for clinical use on the market is the Revo-i surgical platform, developed by Meere Company Inc, Republic of Korea.

Since it was approved by the Korea Food and Drug Administration (KFDA) in 2017, Revo-i (model MSR-5100) has been safely and successfully applied to various clinical applications in Korean Hospitals for general surgery, urology, gynaecology and ENT operations.

Revo-i, the first surgical robot in Central Asia, was installed in Tashkent, Uzbekistan, in 2022. The technical and bedside nursing teams were trained in Korea and Uzbekistan by the specialized Revo trainer and technical engineers with the Revo-Sim virtual training module.The robot has been successfully used by experienced surgeons for 59 different urological cases, i.e. prostate and kidney cancer cases with achieved optimal outcomes.

The first operations were mentored by an experienced surgeon and supported with a mentoring system in the operation theatre.

We provide here in this video-based presentation the outcomes of the surgeries and a brief description of this advanced platform and describe the setup and techniques for urologic operations in our initial experience in Tashkent.

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