KangDuo Surgical Robot-01 system feasible for radical prostatectomy

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The KangDuo Surgical Robot-01 (KD-SR-01) system is safe and

effective for robot-assisted radical prostatectomy, according to a study published online May 18 in *The Journal of Urology*.

Shubo Fan, from Peking University First Hospital in Beijing, and colleagues assessed the feasibility, safety, and effectiveness of the KD-SR-01 system for robot-assisted radical prostatectomy (RARP). Data from 16 RARP procedures with the KD-SR-01 system, all performed by one surgeon, were analyzed.

The researchers reported that all cases were completed without conversion to traditional RARP, laparoscopic surgery, or open surgery. The median docking time was 5.9 minutes, console time was 87 minutes, and urethrovesical anastomosis time was 14.4 minutes. Median blood loss was estimated to be 50 mL, with no patients requiring intraoperative transfusion. Five days was the median postoperative hospital stay. Four patients (25 percent) had a positive surgical margin. At one month postsurgery, there were no biochemical recurrences reported and the continence rate was 87.5 percent. There were no severe intraoperative or postoperative complications observed, and the surgeon reported a high comfort level.

"Although the price has not yet been determined, the emergence of new robotic surgery systems lowers the cost of robotic surgery, which could benefit more patients," the authors write.

One author is the cofounder and stock owner of Suzhou KangDuo Robot Co.

More information: Shubo Fan et al, Robot-Assisted Radical Prostatectomy Using the KangDuo Surgical Robot-01 System: A Prospective, Single-Center, Single-Arm Clinical Study, *Journal of Urology* (2022). DOI: 10.1097/JU.0000000000002498