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Short-term surgical outcomes with da Vinci myomectomy

Publication summary

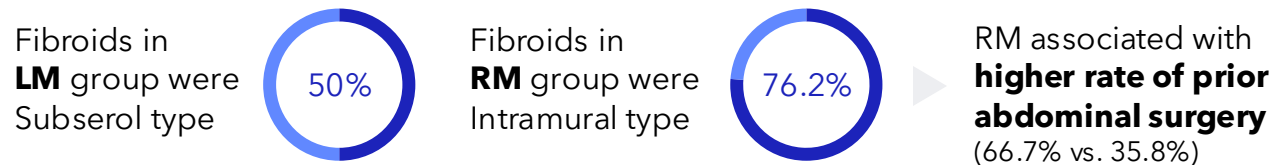
2024

Comparison of short-term surgical outcomes with Intuitive da Vinci® vs. laparoscopic myomectomy

A single center (India) retrospective observational study evaluating and comparing the short-term surgical outcomes of robotic (n=21) and laparoscopic (n=14) myomectomy

“RM (robotic myomectomy) is a comparatively safer and preferable procedure than LM (laparoscopic myomectomy) when it comes to the removal of bigger fibroids or fibroids at difficult locations like broad ligament fibroids”

Larger average size of myoma in RM (9.2 ± 1.3 cm vs 6.3 ± 1.2 cm)



“RM was more efficient in the removal of multiple fibroids”



Lower estimated blood loss (EBL)
in RM vs LM
 255 ± 123.5 mL vs 395.7 ± 78 mL
 $p < 0.001$

Shorter hospital stay
with RM
 2.2 ± 1.4 vs. 3.9 ± 1.1 days
 $p < 0.001$

Fewer complications
LM group had 2 blood transfusions and one conversions vs. zero for RM

Operative time
140 minutes for RM vs. 70 minutes for LM ($p < 0.005$)

Sinha A, Sinha R, Kiran L, et al. Laparoscopic vs Robotic Myomectomy: Comparison of Short-term Surgical Outcomes. JSLs (Journal of the Society of Laparoscopic & Robotic Surgeons). Published online November 25, 2023. doi: 10.4293/108680812X13517013317473

Important safety information

Important safety information

Serious complications may occur in any surgery, including da Vinci surgery, up to and including death. Serious risks include, but are not limited to, injury to tissues and organs and conversion to other surgical techniques which could result in a longer operative time and/or increased complications. For summary of the risks associated with surgery refer to www.davincisurgery.com/safety or www.intuitive.com/safety.

For product intended use and/or indications for use, risks, cautions, and warnings and full prescribing information, refer to the associated user manual(s) or visit <https://manuals.intuitivesurgical.com/market>.

Individual outcomes may depend on a number of factors—including but not limited to—patient characteristics, disease characteristics, and/or surgeon experience.

Da Vinci Xi/X system precaution statement

The demonstration of safety and effectiveness for the representative specific procedures did not include evaluation of outcomes related to the treatment of cancer (overall survival, disease-free survival, local recurrence), except for radical prostatectomy which was evaluated for overall survival, or treatment of the patient's underlying disease/condition. Device usage in all surgical procedures should be guided by the clinical judgment of an adequately trained surgeon.

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