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Title: Robotic myomectomy-how is it different from laparoscopy?

INTRODUCTION Uterine leiomyomas (fibroids) are the most common solid and symptomatic neoplasm in women1. Myomectomy can preserve the integrity of the patient's reproductive organs and fertility to the greatest extent and is the preferred procedure for patients with uterine fibroids. According to current scenario, minimally invasive surgery is the most preferred surgical modality for myomectomy. Laparoscopic and robotic approaches are currently used for performing myomectomy.

OBJECTIVES:

To compare between two modalities of minimally invasive surgery and emphasize the benefits of robot assistsed surgery over conventional laparoscopy.

Material and methods:

An observational study was done at a tertiary care hospital among 20 subjects where patients were assesed over a period of 3 months regarding surgical procedure, post operative recovery and surgeon`s perspective .

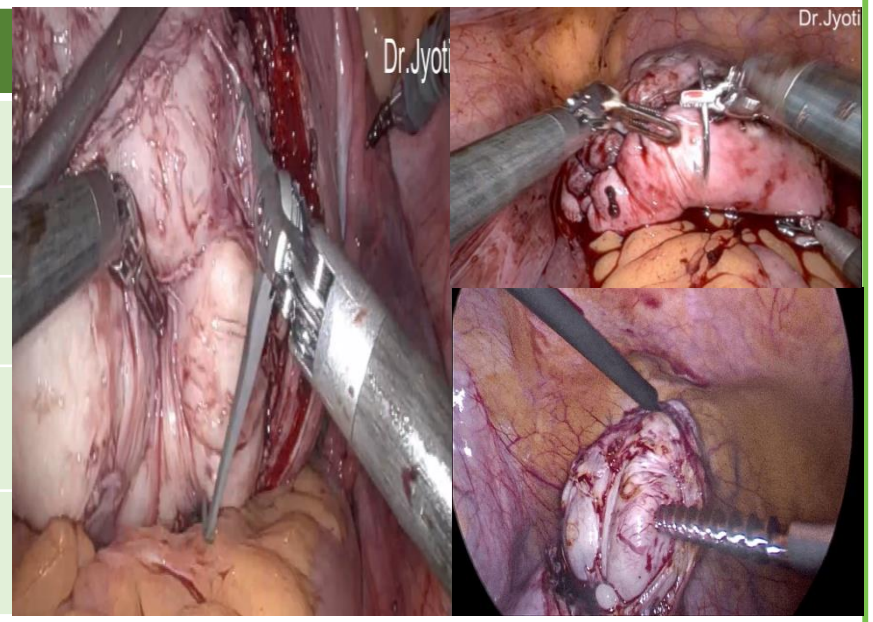
RESULT:

Study illustrated that overall procedure duration, intra- operative blood loss , post operative pain and recovery was better in robot assisted surgery as compared to laparoscopic approach. Surgeon experienced improved ergonomics, improved dexterity and better vision. **MYOMA BED SUTURING, FIBRE BY FIBRE CUTTING.**

DISCUSSION:

With the maturation of minimally invasive techniques, the use of laparoscopy in gynecological conditions became more widespread. Suturing myoma bed was a challenging task which was overcome by robotic surgery since it provides 3 D view and more range of movements.

Robot assisted surgery	Laparoscopic surgery
Vision- 2D	Vision- 3D
Movement- 4 degrees	Movement- 7 degrees
Magnification- 2x	Magnification- 10x
Camera control- In assistant's hands	Camera control- In surgeon's hands
Precision- Good	Precision- Very good



CONCLUSION:

It made sense that robotics would be used as a substitute method to get around the drawbacks of traditional laparoscopy.

These characteristics make the robot a great tool for performing suture-intensive procedures like myomectomy.