

# **A comparison between reduced-port robotic surgery for myomectomy and multiport robot-assisted laparoscopic myomectomy**

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Objective: To compare the surgical outcomes between reduced-port robotic surgery (RPRS) for myomectomy using Octo-Port channel and multiport robot-assisted laparoscopic myomectomy.

Methods: This prospective study was a compare and analysis of data from 15 consecutive women who underwent RPRS for myomectomy and 15 consecutive patients underwent multiport robot-assisted laparoscopy for the treatment for symptomatic uterine myoma from January 2015, through June 2016 by two surgeon at two institutions.

Results: The 2 study groups did not differ demographically. The differences in surgical outcomes such as docking time, console time, hospital day, estimated blood loss, Hb change, count of myomas and weight of myomas between the two groups were not significant.

On the contrary, the number of port site was only 2 in RPRS compared with 4 to 5 in multiport robot-assisted laparoscopic myomectomy.

Conclusion: RPRS for myomectomy seems technically feasible and safe, with short-term perioperative outcomes similar to those of multiport robot-assisted laparoscopic myomectomy.

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Keywords : Robotic myomectomy, RPRS, perioperative outcome

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