

# **Pregnancy outcome in infertile women with previous laparoscopic myomectomy**

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Introduction: Human reproductive organs consist of such complex systems which oftenly interfered by anatomical or histological aberration which ultimately affect its function and ends with fertility problem. Uterine fibroids is one the most frequent abnormalities in female reproductive organs that also affect fertility since it is found in 20% of reproductive age and the fact that approximately 5-10% of infertile women have fibroids<sup>1</sup>. Endoscopic surgery for fibroids, mostly done by laparoscopic myomectomy, is suitable especially those with subfertility since it provides less tissue trauma and faster healing.

Methods: The author conducted a retrospective study in patients who successfully conceived after undergoing laparoscopic myomectomy. There are 6 patients with history of laparoscopic myomectomy in our center who finally became pregnant. We are focusing on the interval time between surgery and pregnancy, wether any artificial reproductive technique was performed, mode of delivery, wound healing evaluation of previous laparoscopy, and recurrence of fibroid if any.

Result: Subjects are coincidentally homogeneous between 30-35 years old. The average interval between previous laparocopy and pregnancy are 6-12 months, which half of them conceived spontaneously. All of the subjects underwent elective caesarean with no incidence of uterine scar rupture were found. We found only one case with recurrence of multiple fibroids which then was done myomectomy subsequent with caesarean.

Conclusion: Laparoscopic myomectomy were found to be effective in fibroids especially those who have fertility desire and also give good pregnancy outcome due to shorter healing time and minimal tissue trauma.

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Keywords : Laparoscopy, Laparoscopic myomectomy, fibroids, pregnancy outcome, infertility

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