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Endometrial myomectomy

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Objective: The objective of the study is to compare the surgical outcomes of a novel surgical technique endometrial myomectomy (EM) to serosal myomectomy (SM) during cesarean section (CS).

Design & Interventions: A retrospective cohort study (Canadian task force classification level II 1) was done on 46 women with leiomyomas during cesarean section at a private hospital. Interventions include endometrial myomectomy and serosal myomectomy during cesarean section between 2013 and 2016. Main outcome measures: Total 22 consecutive cases (Group 1) underwent EM in the last 2 years. The control group created from SM (Group 2) cases performed before EM implemented in our practice. Group 2 was matched based on anteriorly located intramural or submucosal leiomyoma. The size, location and number of leiomyoma, hematological course during pre and postoperative period, the need for blood transfusion, duration of surgery, and any prolongation of hospital stay also documented.

Results: Median number of leiomyoma was higher in EM than in SM ($p=0.001$). Median myomectomy procedure time and amount of intra-operative bleeding in SM were higher than EM (respectively, $p=0.005$ and $p=0.001$). In terms of other variables, there is no difference between the two myomectomy groups ($p>0.05$).

Conclusion: This novel technique EM is a safe, feasible surgical technique compared with SM. Besides the less intra-operative blood loss, it also has the potential to diminish the risk of abdominal adhesion formation.

Biography

Safak Hatimaz has completed his graduation from Istanbul University, Cerrahpaşa Faculty of Medicine in 1995. He had his residency at Zeynep Kamil Maternity Hospital which is one of the famous Ob&Gyn Hospitals in Turkey. He was certified as IVF Specialist at Istanbul Memorial Hospital in 2005. He founded the first IVF center in northeast part of Turkey. He has over 30 publications on infertility, gynecology & obstetrics and authored two chapters on infertility and endometrial myomectomy. His special interests are IVM, PGS and minimal invasive surgery. He has been currently directing an IVF center at Samsun Medicana International Hospital.

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