

Laparoscopic Myomectomy

DISCUSSION

Fibroids affect 30 – 40% of women over age 30, with 15-20% of women in their reproductive years. While the majority of women usually have no symptoms, 1 in 4 present with symptoms severe enough to require treatment.* Fibroids can cause severe menstrual cramps, heavy periods, infertility and repeated miscarriages.

CASE STUDY

A 29 year old woman presented with a history of dysmenorrhea, menorrhagia and multiple miscarriages.

Pelvic ultrasonography and hysterosonography were performed along with hysteroscopy. A large anterior leiomyomata was detected and the patient consented to a laparoscopic myomectomy in order to preserve fertility. We employed a transverse uterine incision to reduce blood loss and we enucleated the myoma by using an “onion skinning” technique in which we cut into the fibroid itself so that the automatic retraction of the myometrium identifies the correct dissection plane. | continued next page

SURGEON

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“ Needle orientation and suture handling is greatly facilitated with the Viking 3Di Vision System. ”

GYN

case study

Laparoscopic myomectomy using the Viking 3Di Vision System

Using this technique the fibroid is extruded without much vascularity. Our strict adherence to microsurgical principles to avoid unnecessary mucosal trauma, and multilayer suture repair of the uterine defect duplicate open surgical techniques and contribute to adhesion prevention. The patient experienced a normal post operative course and six months later spontaneously conceived and carried to full term.

Experience the benefits of the Viking 3Di Vision System:

Compatible with Robotic Systems

Provides 3-D vision to 3 additional surgical team members

Delivers 3-D vision for non-robotic procedures

Light-weight, ergonomic design

Picture-in-Picture capabilities

Cost-effective, modular system

Short learning curve. No formal training required.

CONCLUSIONS

Laparoscopic Myomectomy is a delicate and challenging operation that when correctly and successfully executed restores normal uterine function. We believe that true microsurgical principles can only be practiced laparoscopically where the precise visualization and magnification allows for accurate dissection and repair. Laparoscopic suturing skills are essential for successful execution and it is a skill that is eminently teachable with proper instruction and practice.

The Viking 3Di Vision System was utilized during this laparoscopic surgery and it provided the surgeons with a 3D visual field. The line of sight display enhanced surgeon comfort by reducing eye and neck strain during the procedure. The enhanced spatial information is especially helpful to the less experienced surgeon and it affords the surgeon more confidence when determining dissection planes and significantly aids surgeons in needle and suture handling.

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SYSTEMS

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*References available upon request. Please consult user manuals for complete instructions for use, intended use, contraindications, warnings and cautions. Part # J05309-004 Revision 1. Printed October 2006.