



World Record Surgery Fact Sheet:

Date of Surgery: 07/17/2018

Date of Award of World Record Academy World Record: 08/22/2018

Actual Title of Record: “Total Hysterectomy Performed through the Smallest Incision”

Description of Technical Procedure Performed: successful Single-Port Total Laparoscopic Hysterectomy with bilateral salpingo-oophorectomy and lysis of adhesions secondary to scar tissue from a prior Cesarean section. The procedure was performed using an Olympus Tri-Port device using a modified technique through a smaller incision. The incision and abdominal entry was performed using an Ethicon 11mm blunt tip trochar in order to be sure the incision was exactly 11mm, and that the procedure was reproducible. A 5mm 30 degree laparoscope was used with wavy graspers, a bovie laparoscopic extender “hook,” and a Covidien Ligasure Blunt Tipped 5mm device.

Method of Verification of Record: Direct video evidence of procedure and identifying information compared with final pathologic diagnosis by board certified pathologist. Patient consented to disclosure.

Lead Surgeon: Greg J. Marchand M.D., F.A.C.O.G., F.A.C.S., F.I.C.S., Accredited Master Surgeon

Affiliation: Marchand Institute for Minimally Invasive Surgery

1520 S. Dobson #308

Mesa, AZ 85202

phone: 480-999-0905 fax: 480-999-0801 www.gregmarchandmd.com

FAQ:

Can all hysterectomies be performed in this manner?

Our technique was successful in a difficult case that required dissection of scar tissue from a previous Cesarean section, and also entailed scar tissue secondary to endometriosis. Some clinical scenarios involve worse pathology and may require a traditional laparoscopic or robotic assisted laparoscopic hysterectomy in order to be completed. We feel our technique is a valuable weapon in a surgeon’s set of surgical skills, but does not constitute a solution for every patient requiring a hysterectomy.

How Would Women Benefit if More Hysterectomies Were Performed Using this Technique?

With LaparoEndoscopic Single Site procedures (LESS), there is only a small scar in the area of the belly button. Because there are less incisions, the healing process is much faster and there is much less postoperative pain. In many cases, patients can leave the hospital the same day as the surgery. The cosmesis is also considerably improved, with essentially no visible scars whatsoever. From a surgical perspective, you have a very complete visualization of the abdominal cavity at time of surgery, which is a big advantage for dealing with complex pathology, such as endometriosis and fibroids. As a result, complications are less common.

What is the Invented Technique?

The Marchand Institute for Minimally Invasive Surgery acknowledges prior published techniques for single port hysterectomy, also called LESS hysterectomy. There are also suggested techniques for various commercially available products developed for these surgeries. We theorized and performed a surgical technique that utilizes many of the advantages of traditional LESS surgery with an entry that utilizes a benchmarked 11mm blunt laparoscopic trochar port. The end result is a reproducible surgical technique that will continually produce a small incision in the umbilicus of exactly 11mm that is created with a blunt trochar and extremely cosmetic, while also providing excellent exposure to the abdomen.

What is the Marchand Institute for Minimally Invasive Surgery, and What Do They Do?

The Marchand Institute for Minimally Invasive Surgery is a research and educational not-for-profit corporation and functional “think tank” for the advancement of minimally invasive surgery. We are located in Mesa, Arizona. Our efforts are split between the publication of high-quality medical research, expert level surgical education, and involvement in clinical trials related to advancing minimally invasive surgery.

Did this Record Involve “Morcellation”?

No. Total Laparoscopic Hysterectomy generally does not require morcellation, except in extreme cases, such as Dr. Marchand’s 2008 Guinness World Record. For more details on the 2008 World Record, please see: <http://gregmarchandmd.com/guinness-record-marchand/>

What do Dr. Marchand’s Accreditations Mean?

The accreditations represent honors bestowed upon Dr. Marchand by different certifying organizations. They include:

MD -- Medical Doctor

FACOG -- Fellow of the American College of Obstetrics and Gynecology -- Certified by The American College/Congress of Obstetrics and Gynecology (acog.org)

FACS -- Fellow of the American College of Surgeons -- Certified by the American College of Surgeons (facs.org)

FICS -- Fellow of the International College of Surgeons -- Certified by The International College of Surgeons (fics.org)

Accredited Master Surgeon – Dr. Marchand is currently the only Accredited Master Surgeon in Arizona -- Certified by the Surgical Review Corporation (www.surgicalreview.org)

Why is this a World Record? Can't a Hysterectomy be Done with no Abdominal Incision at All?

Yes, a hysterectomy can be performed vaginally without any abdominal incisions at all in uncomplicated cases without significant pathology. A completely vaginal approach, however, gives a very limited view of the abdomen and makes it difficult to deal with abdominal pathology, such as scar tissue from prior surgeries and scar tissue from endometriosis. This can increase the chance of complications and injuries to surrounding organs. Using our technique, we were able to directly visualize the abdominal cavity and perform the hysterectomy with less risk of complications. This was demonstrated by our ability to complete the hysterectomy safely despite this patient’s history of prior Cesarean sections and endometriosis. Our technique also has excellent cosmesis using only an 11mm incision that leaves essentially no scar.

How Can You be sure that This is the Smallest Incision a Laparoscopic Hysterectomy has ever been Performed through? What Steps Did You Take to Verify?

We performed extensive searches of the literature in all of the relevant journals as well as PubMed. We were not able to find any reported case of total hysterectomy performed solely through this small of an incision. The World Record Academy then went on to verify the claim independently. We were awarded the record after the completion of their exhaustive verification efforts.

For more information regarding Dr. Greg Marchand, the Marchand Institute for Minimally Invasive Surgery, and their latest research publications, please visit www.GregMarchandMD.com. For more information on the “Master Surgeon” Accreditation, please see the website of the Surgical Review Corporation at www.SurgicalReview.org.