

SILs

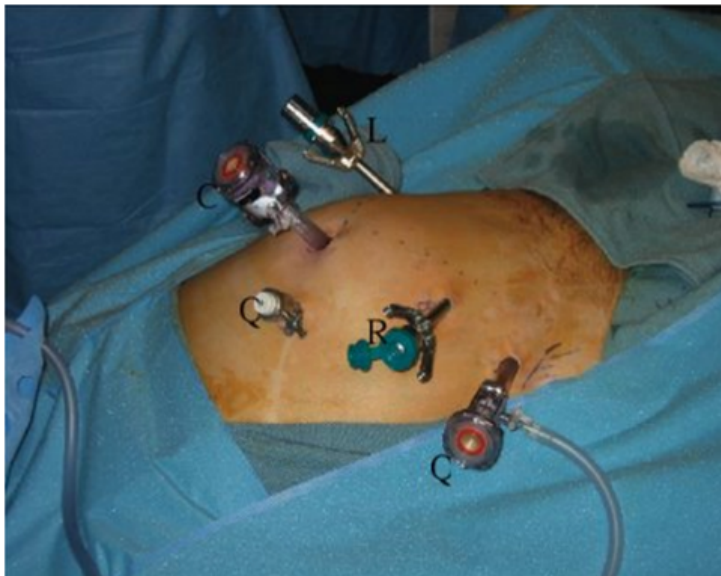
SINGLE
INCISION
LAPAROSCOPIC
SURGERY

What is SILS?

You have been given this information sheet because it is recommended you have a single incision laparoscopic surgery.

HISTORY

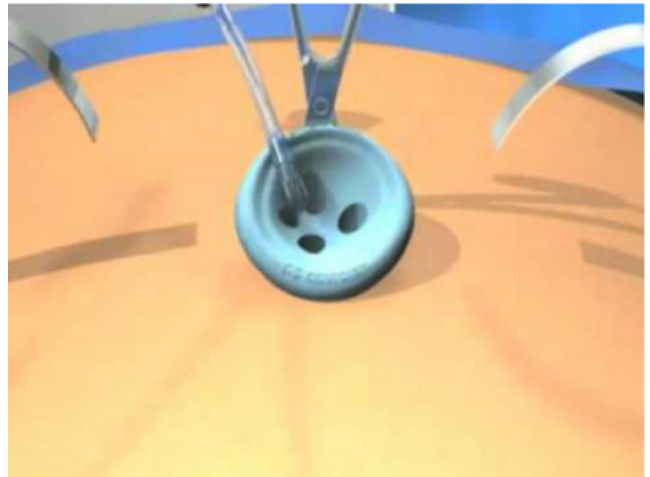
- 1911 – First laparoscopy in US with a proctoscope
- 1972 – Cliffe Wheelers described single puncture technique
- 1980s – Laparoscopy takes off!!!
 - Video developments in television industry
 - Laser surgeons
 - New tools – clips, bipolar, staples, suturing, etc.
- 1987 – first laparoscopic hysterectomy in France
- 1988 – Harry Reich performed first laparoscopic lymphadenectomy
- 1989 – Reich performed first laparoscopic hysterectomy using the bipolar
- 1989 – laparoscopic prostate cancer staging
- Late 1980s/early 1990s – laparoscopic egg retrieval, ectopic, adhesiolysis, endometriosis, cystectomies
- 2005 – Da Vinci Robot
 - Hysterectomy, myomectomy, tubal reanastomosis, cancer surgery



In the da Vinci system, the surgeon sits at a viewfinder (left) and remotely manipulates probes and instruments on actuator arms over the operating table

RECENT - SILS PORT

- 2009 – SILs



SILS

- SILs is also commonly referred to as “scarless” surgery
- Generally, laparoscopic procedures are performed via two or more incisions
- Single incision laparoscopic procedures are performed via a single incision in the umbilicus representing a significant evolution in the field of surgery

Laparoscopy traditionally offers better patient outcome compared to open operative procedures, including:

- Less pain
- Improved cosmesis and recovery period

SILs procedures have the potential to dramatically extend these benefits

SILS PROCEDURE

- The SILs port is a single, flexible port that is fitted through a small incision
- Through this single port, the camera and two other operating instruments can be introduced:
 - Blood vessel sealing device
 - Graspers

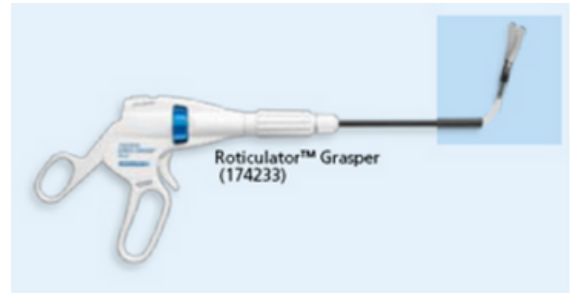
GYNAECOLOGICAL PROCEDURES THAT CAN BE PERFORMED WITH SILS

- BSO
- Salpingectomy
- Adhesiolysis
- Hysterectomy
- Endometriosis treatment
- Treatment of benign ovarian cysts
- Sterilisation
- Diagnostic laparoscopic procedures
- In very experienced hands: pelvic and para-aortic lymphadenectomy, omentectomy and even radical hysterectomy

TYPES OF GRASPERS FOR SILS

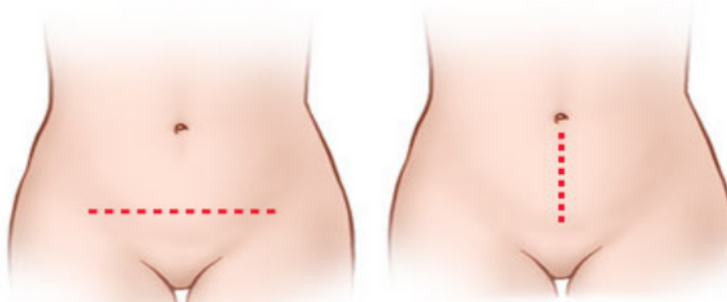


Standard laparoscopic graspers



SILs reticulating graspers

INCISION TYPES



Open incision options for traditional myomectomy



Robotic myomectomy incision portals

SILS SCARS



**Me and my operation:
Surgeons took my ovaries out
through my belly button to
stop my cancer coming back**

By [Angela Brooks](#)

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