

The latest advancement
in surgery.

LESS – Laparo-Endoscopic Single-Site Surgery



An operation is usually an incisive experience. Over the years, surgery has been marked by continuous progress that is beneficial especially for you as a patient.

FROM OPEN SURGERY TO MINIMALLY INVASIVE SURGERY

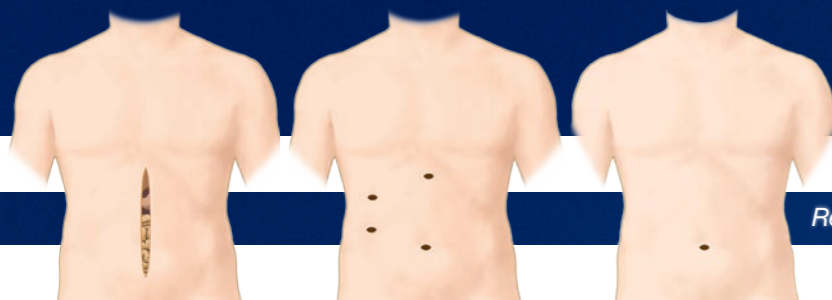
In the past, all abdominal surgeries were performed by open surgery in which long cuts provide the surgeon direct access to and view of the organs. However, open surgery is associated with longer recovery times and long scars. Since the late 1980s laparoscopy as a minimally invasive technique has revolutionised surgery. Thereby surgeons work with special long, thin instruments that are inserted through small incisions. Where large cuts had been necessary before, only three to five small incisions are needed. A miniaturised camera provides the surgeon with a detailed view of the inner abdomen, while special instruments enable the performance of the procedure. The therapeutic success is the same as in open surgery, yet the laparoscopic procedure provides tremendous benefits for you as a patient, such as reduced postoperative pain, shorter hospitalisation, faster recovery, and better cosmetic results.

The latest achievement in surgery is a procedure called Laparo-Endoscopic Single-Site surgery, abbreviated to LESS surgery.

Open surgery
1 large incision

Laparoscopy
3 to 5 small incisions

LESS surgery
1 small incision



Reduction of invasiveness through progress in surgery.

LESS SURGERY – AN EVEN LESS INVASIVE APPROACH

Compared to conventional laparoscopy, LESS surgery helps to reduce the invasiveness of laparoscopic procedures by allowing surgery to be performed through only one small incision – if possible through the bellybutton. The surgeon inserts all the instruments through a specifically developed port, thus being able to perform complex laparoscopic procedures through one single incision. If the incision is made in your bellybutton the scar that reminds you of the surgery is hidden and nearly invisible.

LESS surgery may reduce the trauma of surgery even further: with its new kind of entry into your body, LESS surgery is even less invasive and at the same time leaves better cosmetic results.

Surgeons employing this innovative technique contend that patients can potentially benefit from:

- Less postoperative pain
- Less blood loss
- Faster recovery time
- Fewer complications
- Fewer hospital days
- Better cosmetic results

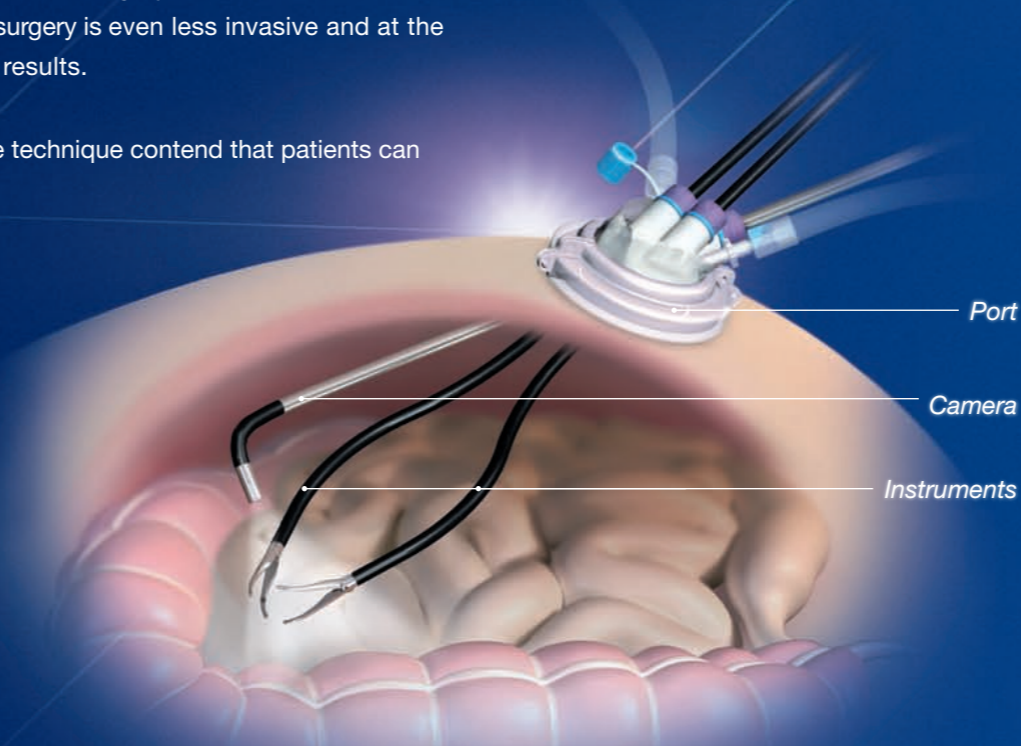


Fig.: LESS surgery – the surgeon conducts surgery through only one single incision

LESS SURGERY MAY BE BROADLY APPLICABLE

Except for the entry site, the operative procedure in LESS surgery is similar to laparoscopic techniques already practiced, and is thus principally suitable for many laparoscopic surgical procedures that are already standard practice in clinics today. Therefore, there is a wide range of LESS surgery applications in general surgery, urology and gynaecology.

POTENTIAL LESS APPLICATIONS INCLUDE:

- Cholecystectomy
- Prostatectomy
- Colon resection
- Oophorectomy
- Hernia repair
- Hysterectomy
- Appendectomy
- Endometriosis treatment
- Diagnostic staging
- Adrenalectomy
- Nephrectomy
- and more ...

ASK YOUR TREATING SURGEON

LESS surgery has a wide range of application but is not suitable for every type of operation and patient; therefore, you should ask your treating surgeon if LESS surgery can be an option for you.



To determine whether the new *LESS* procedure is suitable for your medical intervention and for further information, please talk to your attending surgeon.



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