

SILS

Single Incision Laparoscopic Surgery



HISTORY

SILS was first performed for the treatment of appendicitis at Department of Pediatric Surgery, Dokuz Eylul Medical School, Izmir, Turkey and first presented at—The Annual Congress of Turkish Association of Paediatric Surgeons, October 2005.

SYNONYM

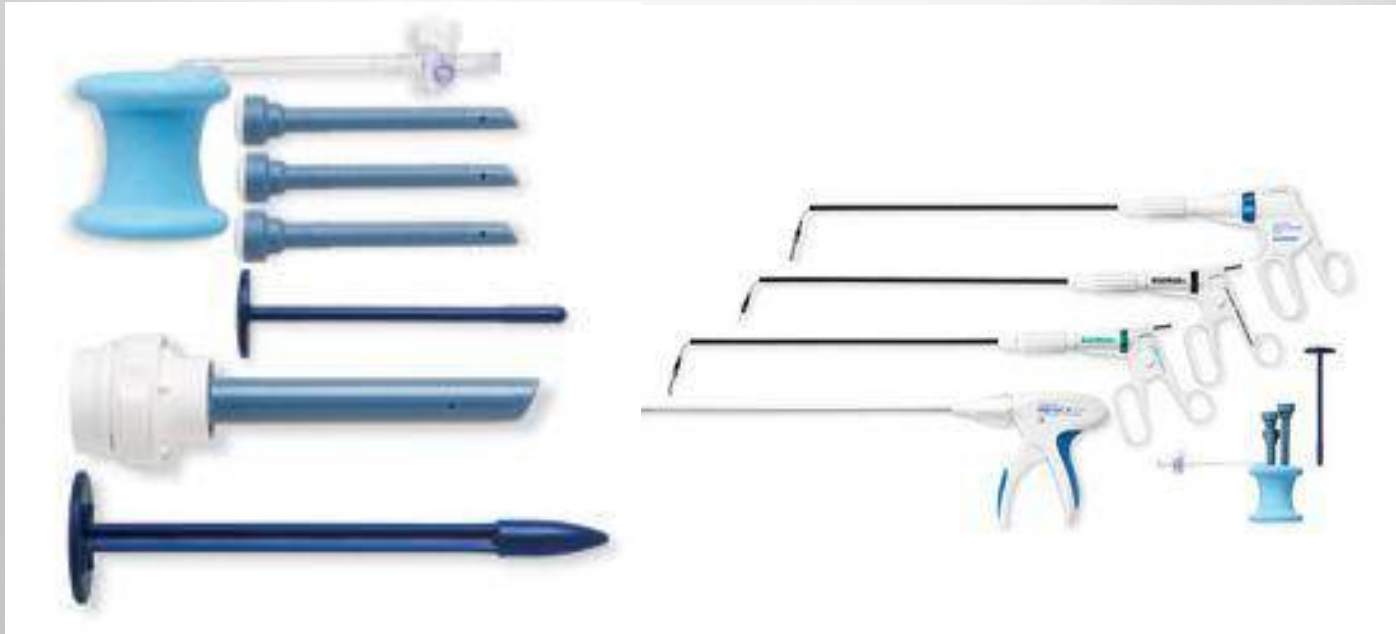
- ❖ SPL: Single Port Laparoscopy
- ❖ SPA: Single Port Access Surgery
- ❖ SILS: Single-Incision Laparoscopic Surgery
- ❖ LESS: Laparoendoscopic Single-Site Surgery
- ❖ OPUS: One Port Umbilical Surgery
- ❖ NOTES: Natural Orifice Transluminal Endoscopic Surgery

EQUIPMENT FOR SILS

- ❖ SILS device from
:Covidien
- ❖ Gel Point system from
:Applied Medical
- ❖ R-Port and TriPort from
:Advanced Surgical Concepts
- ❖ Uni-X from
:Pnavel



INSTRUMENT FOR SCARLESS SURGERY



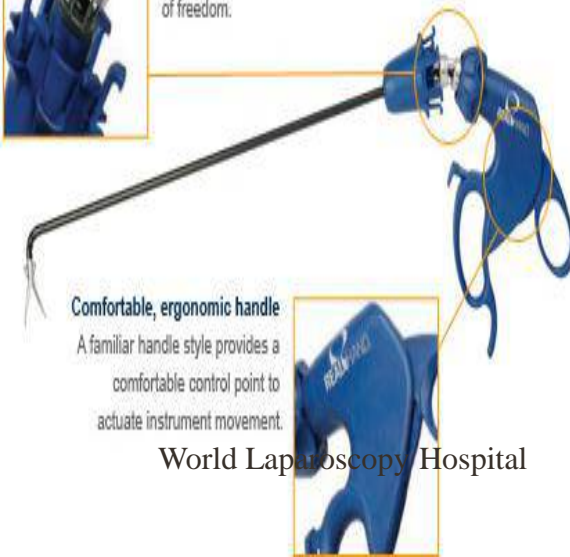


SILS



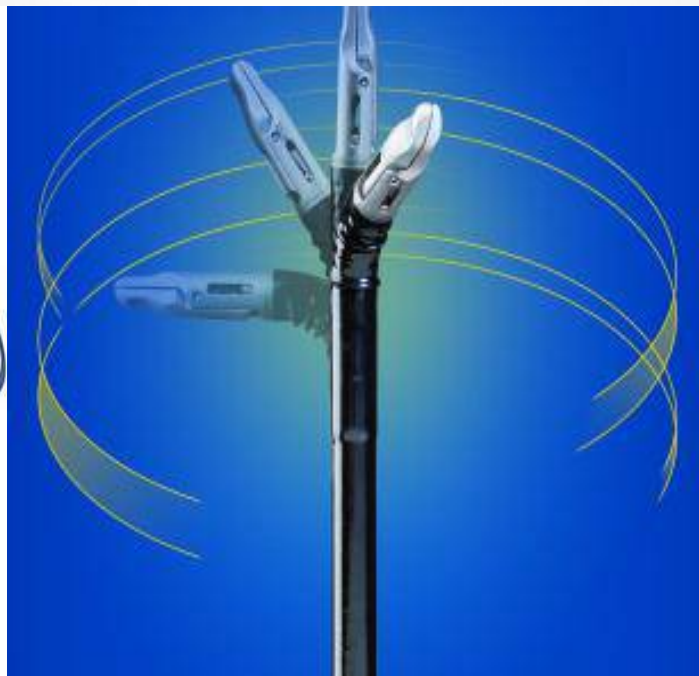
Locking mechanism

Single-handed mechanism to allow for straight locking or multiple degrees of freedom.



Comfortable, ergonomic handle

A familiar handle style provides a comfortable control point to actuate instrument movement.



World Laparoscopy Hospital

ALTERNATIVE OF SILS PORT

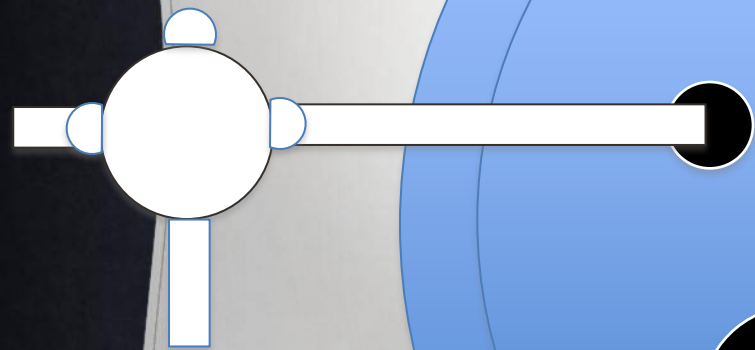


ALTERNATIVE PORT

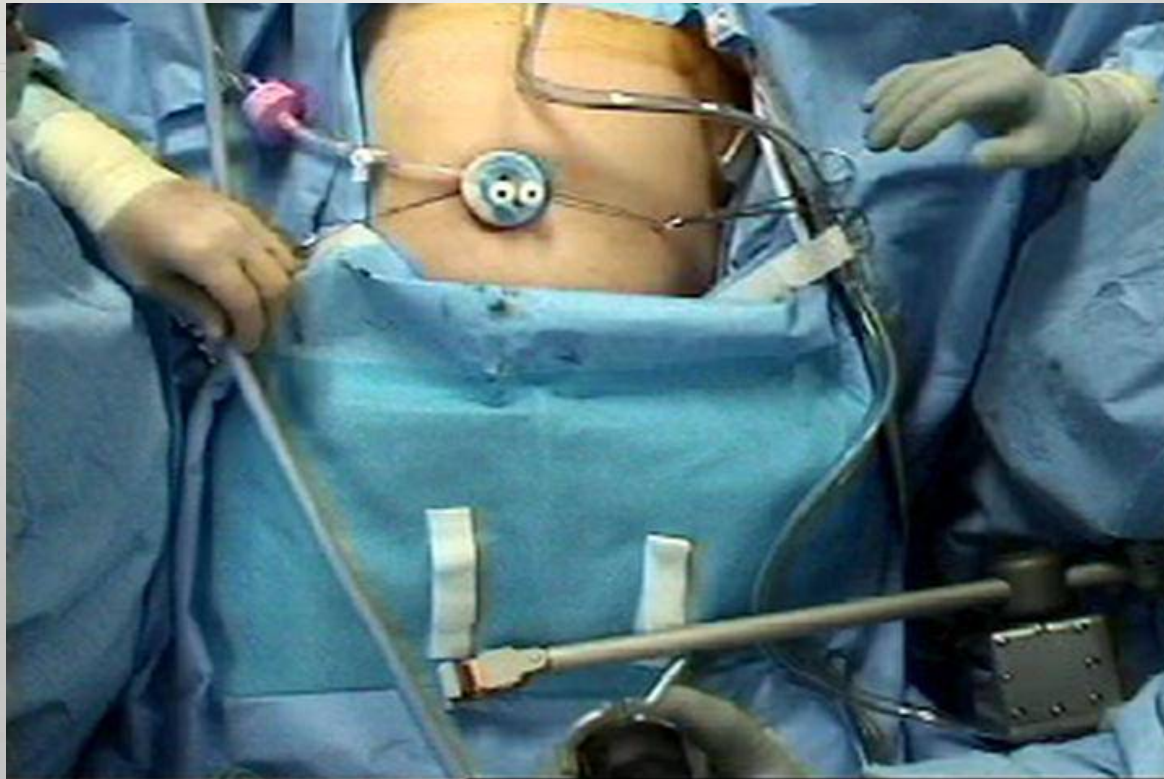


SILS

PORT

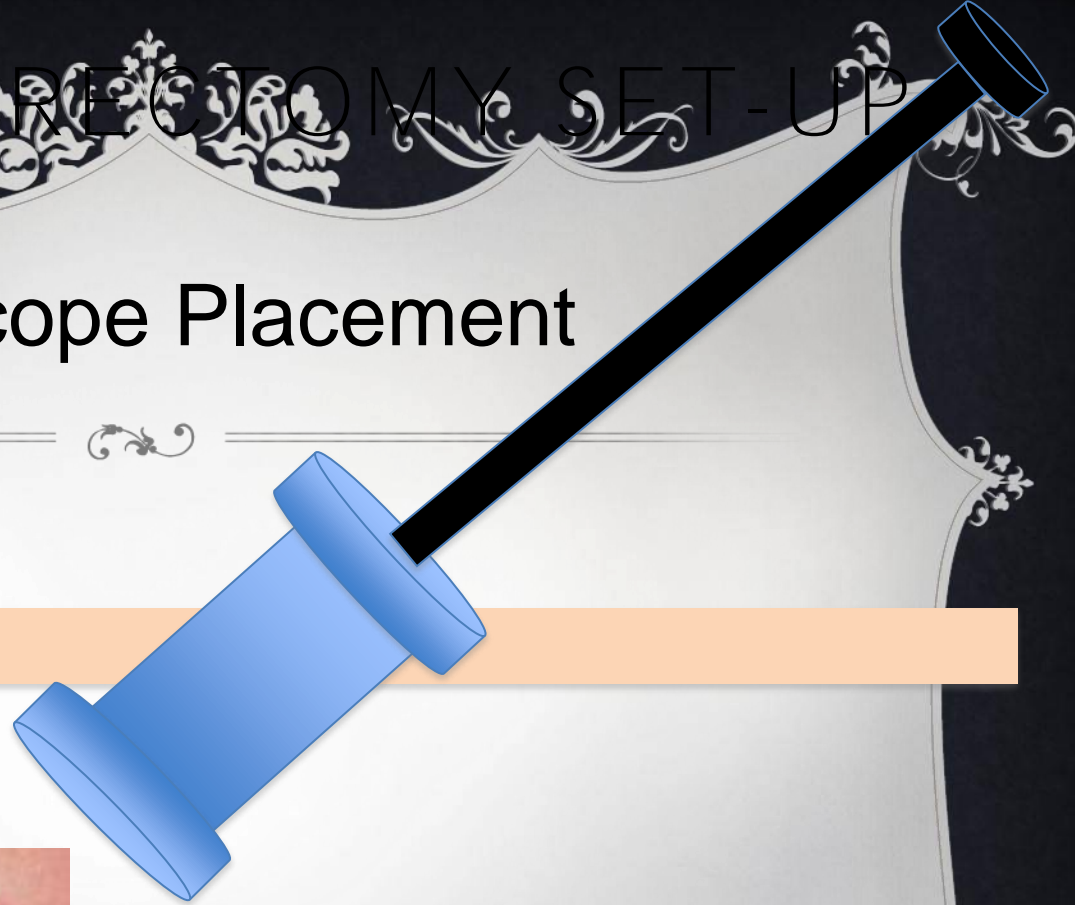


SILS SET-UP



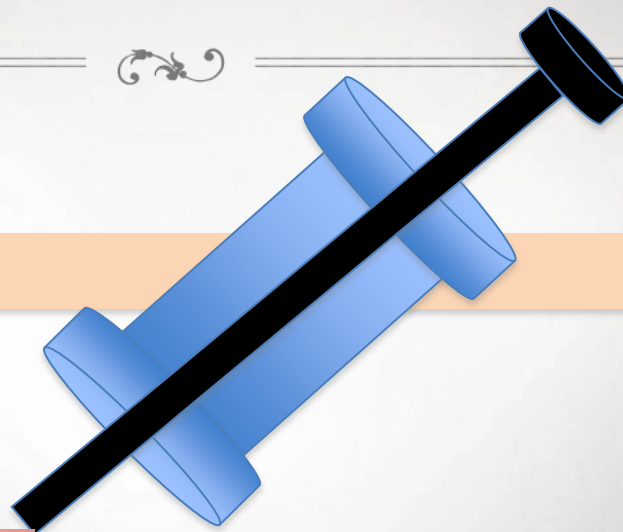
LESS HYSTERECTOMY SET-UP

Laparoscope Placement



LESS HYSTERECTOMY SET-UP

Laparoscope Placement



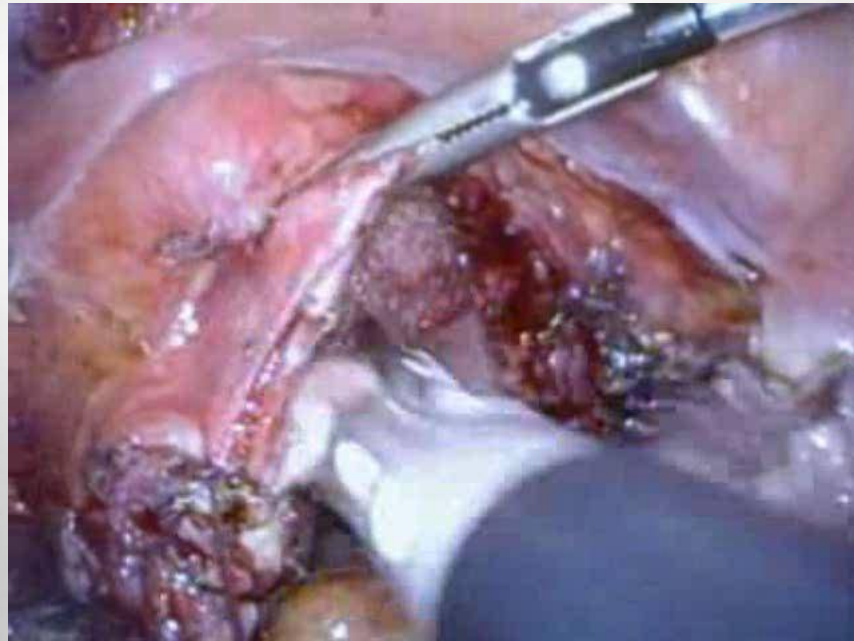
SILS ACCESS



HYSTERECTOMY



SUTURING IN SILS



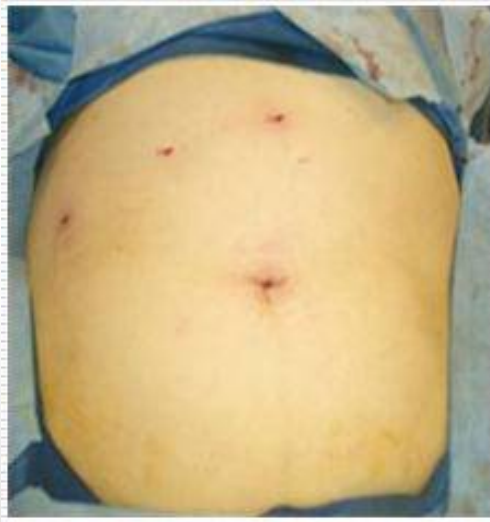
SILS CLOSURE



SCAR OF SILS



SCAR OF SILS



SILS VS OPEN VS LAP VS VAGINAL HYSTERECTOMY

	Number of External Incisions	Size of External Incisions	Number of Visible Scars	Length of Hospital Stay	Recovery Time
SILS™ Hysterectomy	1 small incision (incision in the belly button)	About 3/4 inch (slightly smaller than the diameter of a nickel)	Potential for no visible scars	Same day	2 weeks
Abdominal (Open) Hysterectomy	1 large incision*	5 to 7 inches*	1 large scar	1 to 2 days, sometimes 4 days	6 to 8 weeks
Laparoscopic Hysterectomy	3 to 4 small incisions	From 1/4 to about 3/4 inch	3 to 4 small scars	Same day	2 weeks
Vaginal Hysterectomy/ Laparoscopically Assisted Vaginal Hysterectomy (LAVH)	0 to 4 incisions	0 to 3/4 inch	0 to 4 scars	1 to 3 days	3 to 4 weeks

ADVANTAGE OF SILS

- ❖ Cosmesis +++
- ❖ Ease of Tissue Retrieval ++++
- ❖ Combination Procedure +++
- ❖ Patient Acceptance ++++
- ❖ Quality of life analysis ++
- ❖ Standard Equipment ++
- ❖ Do not violate natural orifices ++++
- ❖ Surgeon's Domain +++

DISADVANTAGE OF SILS

- ❖ Pain ??
- ❖ Violating Principles of Ergonomics ????
- ❖ Hernia ??
- ❖ Wound Infection ???
- ❖ Learning Curve ??
- ❖ Cost effectiveness ???

WHERE ARE WE GOING
NEXT



S I L S
or
N O T E S