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 Translumenal 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

World Laparoscopy Hospital
INSTRUMENT FOR SCARLESS SURGERY
ALTERNATIVE OF SILS PORT
ALTERNATIVE PORT
World Laparoscopy Hospital
SILS SET-UP
Laparoscopy Placement
LESS HYSTERECTOMY SET-UP

Laparoscope Placement
SILS ACCESS
HYSTERECTOMY
SUTURING IN SILS
SILS CLOSURE
SCAR OF SILS

World Laparoscopy Hospital
SCAR OF SILS
# SILS VS OPEN VS LAP VS VAGINAL Hysterectomy

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

*SILS™: Single Incision Laparoscopic Surgery
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 O R N O T E S