Alexis®
Wound Protectors/Retractors
IS ALEXIS
BRAND
PART OF YOUR
STANDARD
OF CARE?
Protect Every Incision with Alexis Wound Protectors

Rate of Superficial Incisional SSI – Alexis Protectors vs. Standard Retractors

<table>
<thead>
<tr>
<th>Study</th>
<th>Alexis Protectors</th>
<th>Standard Retractors</th>
<th>P-Value</th>
<th>RRR*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reid, et al.¹</td>
<td>22.7% (15/66)</td>
<td>20% (6/30)</td>
<td>0.004</td>
<td>79%</td>
</tr>
<tr>
<td>Cheng, et al.²</td>
<td>4.69% (3/64)</td>
<td>0% (0/34)</td>
<td>0.006</td>
<td>100%</td>
</tr>
<tr>
<td>Lee, et al.³</td>
<td>14.6% (7/48)</td>
<td>1.6% (1/61)</td>
<td>0.02</td>
<td>89%</td>
</tr>
<tr>
<td>Horiuchi, et al.⁴</td>
<td>8.1% (9/110)</td>
<td>0% (0/111)</td>
<td>0.0021</td>
<td>100%</td>
</tr>
<tr>
<td>Hinkson, et al.⁵</td>
<td>4.69% (3/64)</td>
<td>0% (0/34)</td>
<td>0.035</td>
<td>87%</td>
</tr>
</tbody>
</table>

*RRR (relative risk reduction) was defined as the proportion of the control group (standard retractors) experiencing a given outcome minus the proportion of the treatment group (Alexis protector) experiencing the outcome, divided by the proportion of the control group (standard retractors) experiencing the outcome.

†Data reflects superficial/deep incisional and organ space SSI

360° Protection:
Reduces surgical site infection¹-⁵
Shields incision site from bacterial invasion⁶,⁷
Maintains moisture to promote healing⁸

360° Atraumatic Retraction:
Maximizes exposure with a minimum incision size
Offers unparalleled exposure without trauma and pain associated with prolonged point retraction
Provides hands-free retraction, reducing strain, discomfort and fatigue associated with traditional hand-held retractors⁹
Creates tamponade effect to minimize blood loss⁵

Ultimate Versatility:
Achieves protection and retraction in a wide range of specialties, patient sizes and incision sizes
Facilitates rapid and effortless setup
## Procedural Applications

### Colon & Rectal
- Lap Colectomy (S, M Laparoscopic System)
- Open Colectomy (L, XL, XXL)

### Bariatric
- Lap Gastric Bypass (XS, S)
- Open Gastric Bypass (L, XL)

### General
- Inguinal Hernia Repair (XS, S)
- Thyroidectomy (XS, S)
- Appendectomy (S, M)
- Splenectomy (L, XL)
- Pancreatectomy (L, XL)
- Whipple (L, XL, XXL)

### Cardiothoracic
- Video-Assisted Thoracoscopic Surgery (VATS) (XXS, XS, S)
- Mitral Valve Repair/Replacement (S, M)
- Thoracotomy (S, M)

### OB/GYN
- Postpartum Tubal Ligation (XXS, XS)
- Bilateral Salpingo-Oophorectomy (XS, S)
- Lap Hysterectomy (S, M Laparoscopic System)
- Myomectomy (S, M)
- Total Abdominal Hysterectomy (S, M, L)
- Cesarean Section (L, XL)
- Mini-Laparotomy (S, M)

### Breast
- Lumpectomy (XS, S)
- Mastectomy (S, M)
- Sentinel Lymph Node Biopsy (XXS, XS, S)

### Orthopaedic
- Total Shoulder Arthroplasty (XS/M, S/S, S/M)
- Total Hip Arthroplasty (S/M, M/L)
“Our meta-analysis found that dual-ring wound protectors reduce the odds of SSI in patients undergoing lower gastrointestinal surgery.”

“...We demonstrated evidence of a subgroup difference where dual-ring wound protectors reduced SSIs while single-ring retractors did not, which provides greater insight in the choice of wound protection devices.”


“Among adult patients with intrabiliary stents, the use of a dual-ring wound protector during [pancreaticoduodenectomy] significantly reduces the risk of incisional SSI.”


“[T]he use of plastic-sheath wound retractors such as the Alexis® O C-Section Retractor compared to the traditional Collins self-retaining metal retractor in low-risk women, having the first cesarean is associated with a significantly reduced risk of surgical site infection.”

“...There is significant reduction in the use of electric cautery for subcutaneous bleeding, bowel handling and postoperative pain. Operator satisfaction is improved and postoperative pain is less.”


“Impervious plastic wound protectors reduce the risk of SSI when employed in non-trauma-related gastrointestinal and biliary tract surgery. Wound protectors represent a safe and simple intervention that may reduce postoperative morbidity and mortality.”


“Superficial incisional SSI was significantly diminished in the ALEXIS wound retractor group (P=0.006).”


“[E]nteric organisms were cultured twice as often from the inside surface of the retractor compared with the outside surface of the retractor (49% vs 26%, respectively; P < 0.0001).”

“[U]se of a plastic wound retractor may result in reduced enteric bacterial colonization of the surgical incision site during gastrointestinal surgery. Reduced colonization of the surgical incision site by enteric bacteria due to the use of a plastic wound retractor should result in a reduction in SSI following gastrointestinal surgery.”

“These results suggest that the [wound protector] protects an incision site from bacterial invasion.”


“In this study the use of barrier wound protection in elective open colorectal resectional surgery resulted in a clinically significant reduction in incisional surgical site infections.”

... “There was a significant reduction in the incidence of incisional surgical site infections when the wound protector was used: 3 of 64 (4.7%) vs 15 of 66 (22.7%); P = .004.”


“Our data demonstrate that a statistically significant reduction in the incidence of wound infection was achieved with the use of a wound-protection device. This device provides a simple intervention that may eventually have a large impact on the incidence of surgical wound infection and therefore annual health care expenditures.”


“We found that the wound retractor/protector prevented the incision site from drying, decreased tissue damage, and facilitated the migration of neutrophils, suggesting a preventive effect of the device with respect to wound infection.”

... “The studied wound retractor/protector effectively protects wound tissue from damage due to environmental factors experienced during surgery.”


“Wound infection was significantly diminished in the With Alexis retractor group (p=0.0021).”

### Alexis O Wound Protector/Retractor
*Featuring a rigid retraction ring for maximum exposure*

<table>
<thead>
<tr>
<th>Reorder No.</th>
<th>Size</th>
<th>Sheath Length</th>
<th>Incision Range</th>
<th>Qty/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>C8401</td>
<td>Small</td>
<td>18cm</td>
<td>2.5-6cm</td>
<td>5</td>
</tr>
<tr>
<td>C8402</td>
<td>Medium</td>
<td>18cm</td>
<td>5-9cm</td>
<td>5</td>
</tr>
<tr>
<td>C8403</td>
<td>Large</td>
<td>25cm</td>
<td>9-14cm</td>
<td>5</td>
</tr>
<tr>
<td>C8404</td>
<td>X-Large</td>
<td>34cm</td>
<td>11-17cm</td>
<td>5</td>
</tr>
<tr>
<td>C8405</td>
<td>XX-Large</td>
<td>36cm</td>
<td>17-25cm</td>
<td>5</td>
</tr>
</tbody>
</table>

### Alexis Wound Protector/Retractor
*Featuring a flexible retraction ring for anatomical conformity*

<table>
<thead>
<tr>
<th>Reorder No.</th>
<th>Size</th>
<th>Sheath Length</th>
<th>Incision Range</th>
<th>Qty/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>C8313*</td>
<td>XX-Small</td>
<td>20cm</td>
<td>1-3cm</td>
<td>5</td>
</tr>
<tr>
<td>C8323*</td>
<td>XX-Small, Short</td>
<td>11cm</td>
<td>1-3cm</td>
<td>5</td>
</tr>
<tr>
<td>C8312</td>
<td>X-Small</td>
<td>19cm</td>
<td>2-4cm</td>
<td>5</td>
</tr>
<tr>
<td>C8322</td>
<td>X-Small, Short</td>
<td>13cm</td>
<td>2-4cm</td>
<td>5</td>
</tr>
<tr>
<td>C8301</td>
<td>Small</td>
<td>18cm</td>
<td>2.5-6cm</td>
<td>5</td>
</tr>
<tr>
<td>C8302</td>
<td>Medium</td>
<td>18cm</td>
<td>5-9cm</td>
<td>5</td>
</tr>
<tr>
<td>C8303</td>
<td>Large</td>
<td>25cm</td>
<td>9-14cm</td>
<td>5</td>
</tr>
<tr>
<td>C8304</td>
<td>X-Large</td>
<td>34cm</td>
<td>11-17cm</td>
<td>5</td>
</tr>
</tbody>
</table>

### Alexis O C-Section Protector/Retractor
*Featuring a rigid retraction ring for maximum uterine exposure*

<table>
<thead>
<tr>
<th>Reorder No.</th>
<th>Size</th>
<th>Sheath Length</th>
<th>Incision Range</th>
<th>Qty/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>G6313</td>
<td>Large</td>
<td>25cm</td>
<td>9-14cm</td>
<td>5</td>
</tr>
<tr>
<td>G6314</td>
<td>X-Large</td>
<td>34cm</td>
<td>11-17cm</td>
<td>5</td>
</tr>
</tbody>
</table>

*Models including a tether to facilitate device removal*
Alexis Laparoscopic System with Kii® Fios® First Entry
Featuring a laparoscopic cap and trocar to facilitate specimen extraction

<table>
<thead>
<tr>
<th>Reorder No.</th>
<th>Size</th>
<th>Sheath Length</th>
<th>Incision Range</th>
<th>Qty/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>C8701</td>
<td>X-Small/Medium</td>
<td>14cm</td>
<td>2.5-6cm</td>
<td>5</td>
</tr>
<tr>
<td>C8702</td>
<td>Small/Medium</td>
<td>14cm</td>
<td>5-9cm</td>
<td>5</td>
</tr>
</tbody>
</table>

Alexis Orthopaedic Protector
Featuring a rigid retraction ring for maximum retraction and a flexible retraction ring for maximum versatility

<table>
<thead>
<tr>
<th>Reorder No.</th>
<th>Size</th>
<th>Sheath Length</th>
<th>Incision Range</th>
<th>Qty/Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR000</td>
<td>X-Small/Medium</td>
<td>14cm</td>
<td>2.5-7cm</td>
<td>5</td>
</tr>
<tr>
<td>HR001</td>
<td>Small/Small</td>
<td>14cm</td>
<td>2.5-8cm</td>
<td>5</td>
</tr>
<tr>
<td>HR004</td>
<td>Small/Medium</td>
<td>14cm</td>
<td>2.5-8cm</td>
<td>5</td>
</tr>
<tr>
<td>HR005</td>
<td>Medium/Large</td>
<td>17cm</td>
<td>5-13cm</td>
<td>5</td>
</tr>
</tbody>
</table>

Rigid Retraction Ring

Flexible Retraction Ring

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