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>Rate of Superficial Incisional SSI</th>
<th>RRR*</th>
<th>P Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reid, et al.1</td>
<td>79% (15/66)</td>
<td>100% (6/30)</td>
<td>22.7% (15/66)</td>
<td>0%</td>
<td>0.004</td>
</tr>
<tr>
<td>Cheng, et al.2</td>
<td>100% (9/110)</td>
<td>100% (8/100)</td>
<td>20% (6/30)</td>
<td>8%</td>
<td>0.02</td>
</tr>
<tr>
<td>Lee, et al.3</td>
<td>100% (7/48)</td>
<td>0% (0/34)</td>
<td>14.6% (7/48)</td>
<td>1.6%</td>
<td>0.0016</td>
</tr>
<tr>
<td>Horiuchi, et al.4</td>
<td>100% (8/100)</td>
<td>0% (0/111)</td>
<td>8% (9/110)</td>
<td>0%</td>
<td>0.035</td>
</tr>
<tr>
<td>Hinkson, et al.5</td>
<td>87% (3/64)</td>
<td>100% (0/34)</td>
<td>4.69% (3/64)</td>
<td>0%</td>
<td>0.004</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 surgical 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)
- Mini-Laparotomy (S, M)
- Cesarean Section (L, XL)

## 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)
**Clinical Evidence**

Supporting the Use of Alexis Wound Protectors

“Our meta-analysis found that dual-ring wound protectors reduce the odds of SSI in patients undergoing lower gastrointestinal surgery.”

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

“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.”

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

“[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.”


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

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.


“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.”


“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>

*Models including a tether to facilitate device removal*
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></td>
<td><strong>Rigid Retraction Ring</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<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>
<tr>
<td></td>
<td><strong>Flexible Retraction Ring</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HR100</td>
<td>X-Small/Medium</td>
<td>14cm</td>
<td>2.5-7cm</td>
<td>5</td>
</tr>
<tr>
<td>HR101</td>
<td>Small/Small</td>
<td>14cm</td>
<td>2.5-8cm</td>
<td>5</td>
</tr>
<tr>
<td>HR104</td>
<td>Small/Medium</td>
<td>14cm</td>
<td>2.5-8cm</td>
<td>5</td>
</tr>
<tr>
<td>HR105</td>
<td>Medium/Large</td>
<td>17cm</td>
<td>5-13cm</td>
<td>5</td>
</tr>
</tbody>
</table>

*Models including a tether to facilitate device removal

---


Visit [www.appliedmedical.com/alexis](http://www.appliedmedical.com/alexis) for more information

© 2020 Applied Medical Resources Corporation. All rights reserved.