Applied Medical is dedicated to providing innovative products that improve patient outcomes and enable the advancement of minimally invasive surgery. As a new generation medical device company, we are equally committed to improving the affordability and accessibility of high-quality healthcare.

To further our dedication to improving both hospital and patient outcomes, we are committed to being a part of the overall solution to reduce surgical site infection (SSI) through research, education, and awareness. Applied Medical has developed stopwoundinfection.com, a comprehensive resource for healthcare professionals interested in learning more about the prevention of SSI. Our mission is to enhance patient outcomes by providing multiple platforms to discuss and implement clinically proven methods to reduce the incidence of SSI.

Visit www.stopwoundinfection.com to learn more about surgical site infection prevention.
**HEALTHCARE IMPACT**

- SSI has added $3 to $10 billion to the cost of healthcare
- 2% to 5% of patients undergoing inpatient surgery will develop an SSI
- over 8,000 deaths were associated with over 290,000 cases of SSI in one year

“Programs that reduce the incidence of SSI can substantially decrease morbidity and mortality and reduce the economic burden for patients and hospitals.”

**PATIENT IMPACT**

On average, surgical site infection patients:

- spend an additional 7-11 days in the hospital
- are 60% more likely to spend time in ICU
- are 5 times more likely to be readmitted to the hospital
- have a 2-11 times higher risk of death than patients without an SSI
- require an additional cost of $27,631 per infection

References:
PRODUCT INFORMATION

Alexis®
WOUND PROTECTORS/RETRACTORS

PROTECTION:

- Provides 360° wound protection
- Reduces superficial surgical site infection following colorectal surgeries $^{1,2}$
- Maintains moisture at the incision site $^{3}$

RETRACTION:

- Provides 360° circumferential, atraumatic retraction
- Distributes force evenly, eliminating point trauma and associated pain
- Frees up valuable hands in the operating room

EXPOSURE:

- Maximizes exposure with a minimum incision size
- Accommodates an incision range of 1-25cm
- Allows visualization of wound margins

ALEXIS O WOUND PROTECTOR/RETRACTOR
Features a rigid retraction ring for superior exposure

ALEXIS WOUND PROTECTOR/RETRACTOR
Features a flexible retraction ring for maximum conformity
May:

- Eliminate the need for a bladder blade
- Eliminate the need for hand-held retractors
- Reduce overall pain and discomfort following a surgical procedure
- Reduce intra-operative nausea by allowing enough exposure to keep the uterus in situ
- Reduce the need for analgesics and nausea medication after delivery
- Reduce recovery time
- Aid in Cesarean delivery for obese patients by retracting the pannus (or panniculus) away from the field and by reducing the slickness of fat on instruments
- Enhance visualization of the operative site by eliminating the need for hand-held retractors
- Reduce OR time by freeing up hands and optimizing surgical assistance
- Reduce the lateral femoral nerve damage (numbness in the legs due to the pressure of metal retractors)
- Improve cosmesis
ALEXIS LAPAROSCOPIC SYSTEM

Enables a laparoscopic approach before and after specimen retrieval

ALEXIS ORTHOPAEDIC PROTECTOR

Features a reinforced sheath to protect skin, fat, muscles, and nerves from contact with sharp instrumentation and debris
Recommendation of a wound protector to REDUCE SURGICAL SITE INFECTION

“Use impervious plastic wound protectors for gastrointestinal and biliary tract surgery.”

“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.”

“Use 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.”

“ALEXIS® wound retractor is more effective in preventing SSI in elective colorectal resections compared with conventional methods.”

“[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.”


“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.”


“[T]he use of barrier wound protection in elective open colorectal resectional surgery resulted in a clinically significant reduction in incisional surgical site infections. Barrier wound protection of this nature should be considered routine in this type of surgery.”


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


“The results of this study demonstrate that wound infection decreased significantly in the with Alexis retractor group.”

REDUCTION IN BACTERIAL INVASION

“[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.”

... “We consider that the low incidence of SSI may have resulted from the protective effects of the [wound protector].”


Recommendation of a wound protector to REDUCE ABDOMINAL WALL CANCER RECURRENCES

“Recommendation: The use of a wound protector at the extraction site and the irrigation of port sites and extraction site incisions may reduce abdominal wall cancer recurrences. (++OO, strong)”

PROCEDURAL APPLICATIONS

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

**BREAST**
- Lumpectomy (XS, S)
- Mastectomy (S, M)
- Sentinel Lymph Node Biopsy (XXS, XS, S)

**OB/GYN**
- Postpartum Tubal Ligation (XXS, XS)
- Bilateral Salpingo Oophorectomy (XS, S)
- Mini-Laparotomy (S, M)
- Lap Hysterectomy (S, M Laparoscopic System)
- Myomectomy (S, M)
- Total Abdominal Hysterectomy (S, M, L)
- Cesarean Section (L, XL)
**BARIATRIC**
- Lap Sleeve Gastrectomy (XXS)
- Lap Gastric Bypass (XS, S)
- Open Gastric Bypass (L, XL)

**COLON & RECTAL**
- Stoma Formation (XXS)
- Lap Colectomy (S, M Laparoscopic System)
- Open Colectomy (L, XL, XXL)

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

**ORTHOPAEDIC**
- Total Shoulder Arthroplasty (S/S)
- Total Hip Arthroplasty (S/M, M/L)
## Alexis® O Wound Protector/Retractor

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## Alexis Wound Protector/Retractor

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