




Alexis[®]

ウーンドプロテクター/リトラクター

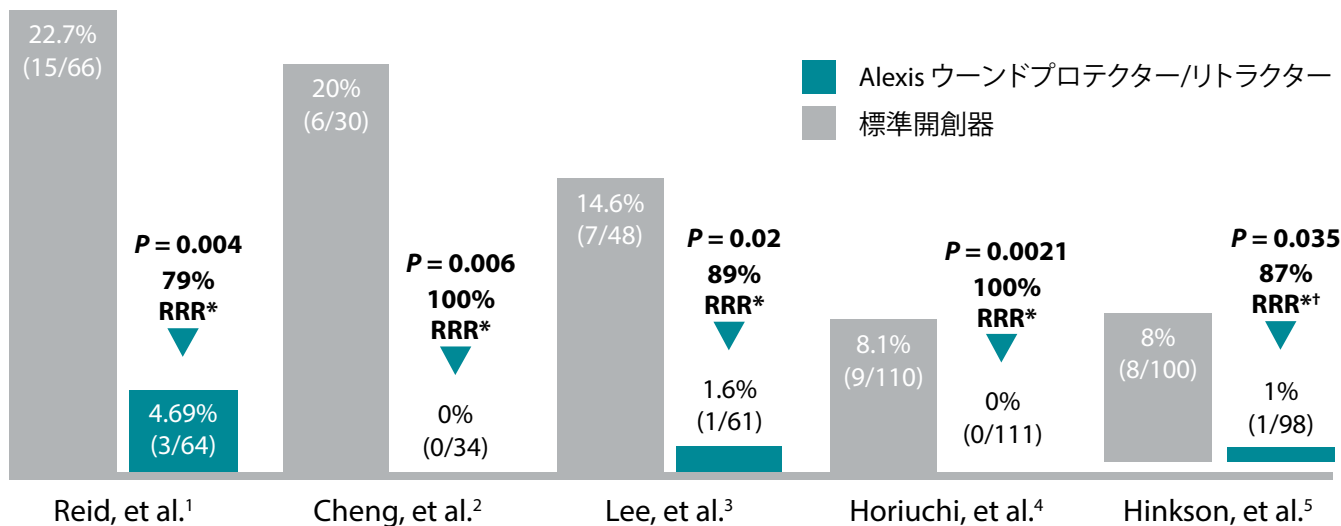


A large teal graphic element consisting of a diagonal line that divides the page into two sections. The upper section is white and contains the text, while the lower section is a solid teal color.

IS ALEXIS
BRAND
PART OF YOUR
STANDARD
OF CARE?

Alexis ウェッドプロテクター/リトラクターの使用による創部保護

表層SSIの発生率 – Alexis ウェッドプロテクター/リトラクター vs 標準開創器



*RRP (相対リスク低下) はコントロール群 (標準開創器) の発生率からトリートメント群 (Alexis ウェッドプロテクター/リトラクター) の発生率を引き、それをコントロール群 (標準開創器) の発生率で割ったもの。
データは皮膚表層切開創/切開部深層及び臓器・体腔のSSIを示す。

360°の創部保護

手術部位の感染を抑制します。¹⁻⁵

創部を細菌の侵入から防ぎます。^{6,7}

湿潤を維持して創部の治癒を促します。⁸

360°の低侵襲な開創

必要最小限の切開長で大きく開創します。

局所的な開創に伴う侵襲や疼痛を軽減し、優れた開創を提供します。

ハンズフリーで開創ができるため、手で持つタイプの開創器で起こりうる煩わしさや不快感、疲れを軽減することが可能です。⁹

圧迫止血効果が得られます。⁵

多様な手技に対応

様々な専門分野、患者様の体型、切開長に対応する保護と開創が得られます。

迅速かつ容易なセットアップが可能です。

術式適用例



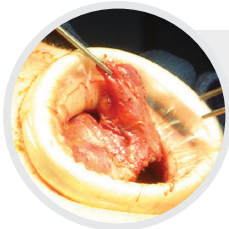
結腸および直腸手術

腹腔鏡下結腸切除術(ラパロスコピックシステムS, M)
結腸切除術(L, XL, XXL)



肥満手術

腹腔鏡下胃バイパス術(XS, S)
胃バイパス術(L, XL)



一般外科手術

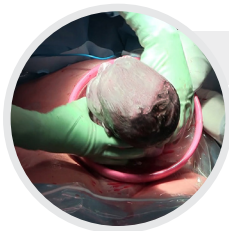
鼠径ヘルニア修復術(XS, S)
甲状腺摘出術(XS, S)
虫垂切除術(S, M)

脾摘出術(L, XL)
腓腫瘍切除術(L, XL)
膵頭十二指腸切除術(Whipple)(L, XL, XXL)



心胸郭手術

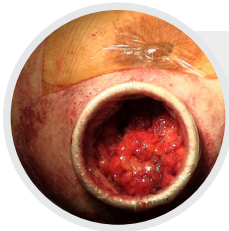
胸腔鏡補助下手術(XXS, XS, S)
僧帽弁修復術/置換術(S, M)
開胸術(S, M)



産婦人科手術

分娩後卵管結紮術(XXS, XS)
子宮付属器切除術(XS, S)
腹腔鏡下子宮全摘出術(ラパロスコピックシステムS, M)
小切開術(S, M)

子宮筋腫摘出(核出)術(S, M)
子宮全摘出術(S, M, L)
帝王切開術(C-セクション)
プロテクター/リトラクター L, XL)



乳腺手術

乳房部分切除術(XS, S)
乳房切除術(S, M)
センチネルリンパ節生検(XXS, XS, S)



整形外科手術

人工肩関節置換術(オーソペディックプロテクター S/S, S/M)
人工股関節置換術(オーソペディックプロテクター 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.”

Zhang L, Elsolh B, Patel SV. Wound protectors in reducing surgical site infections in lower gastrointestinal surgery: An updated meta-analysis. *Surg Endosc.* 2018;32(3):1111-1122. (Level of Evidence 1)

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

Bressan AK, Aubin J-M, Martel G, et al. Efficacy of a dual-ring wound protector for prevention of surgical site infections after pancreaticoduodenectomy in patients with intrabiliary stents: A randomized clinical trial. *Ann Surg.* 2018;268(1):35-40. (Level of Evidence 1)

“[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.”

Hinkson L, Siedentopf J-P, Weichert A, Henrich W. Surgical site infection in cesarean sections with the use of a plastic sheath wound retractor compared to the traditional self-retaining metal retractor. *Eur J Obstet Gynecol Reprod Biol.* 2016;203:232-238. (Level of Evidence 1)

“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.”

Edwards JP, Ho AL, Tee MC, Dixon E, Ball CG. Wound protectors reduce surgical site infection: A meta-analysis of randomized controlled trials. *Ann Surg.* 2012;256(1):53-59. (Level of Evidence 1)

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

Cheng KP, Roslani AC, Sehha N, et al. ALEXIS O-Ring wound retractor vs conventional wound protection for the prevention of surgical site infections in colorectal resections. *Colorectal Dis.* 2012;14(6):346-351. (Level of Evidence 1)

“[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.”

Mohan HM, McDermott S, Fenelon L, et al; Members of the University College Dublin Wound Retractor Study Group. Plastic wound retractors as bacteriological barriers in gastrointestinal surgery: A prospective multi-institutional trial. *J Hosp Infect.* 2012;81(2):109-113. (Level of Evidence 2)

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

Horiuchi T, Tanishima H, Tamagawa K, et al. A wound protector shields incision sites from bacterial invasion. *Surg Infect (Larchmt)*. 2010;11(6):501-503. (Level of Evidence 4)

“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.”

Reid K, Pockney P, Draganic B, Smith SR. Barrier wound protection decreases surgical site infection in open elective colorectal surgery: A randomized clinical trial. *Dis Colon Rectum*. 2010;53(10):1374-1380. (Level of Evidence 1)

“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.”

Lee P, Waxman K, Taylor B, Yim S. Use of wound-protection system and postoperative wound-infection rates in open appendectomy: A randomized prospective trial. *Arch Surg*. 2009;144(9):872-875. (Level of Evidence 1)

“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.”

Horiuchi T, Nakatsuka S, Tanishima H, et al. A wound retractor/protector can prevent infection by keeping tissue moist and preventing tissue damage at incision sites. *Helix Review Series: Infectious Diseases*. 2007;(3):17-23. (Level of Evidence 5)

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

Horiuchi T, Tanishima H, Tamagawa K, et al. Randomized, controlled investigation of the anti-infective properties of the Alexis retractor/protector of incision sites. *J Trauma*. 2007;62(1):212-215. (Level of Evidence 1)



Alexis O ウウンドプロテクター/リトラクター

広い術野確保のためのリジッドリング

製品番号	サイズ	シース長(cm)	切開長 (cm)	販売単位
C8401*	S	16	2.5-6	5個/箱
C8402	M	16	5-9	5個/箱
C8403	L	21	9-14	5個/箱
C8404	XL	31	11-17	5個/箱
C8405	XXL	31	17-25	5個/箱



Alexis ウウンドプロテクター/リトラクター

柔軟な適合性を備えたフレキシブルリング

製品番号	サイズ	シース長(cm)	切開長 (cm)	販売単位
C8313*	XXS	17	1-3	5個/箱
C8323*	XXS ショート	8	1-3	5個/箱
C8312*	XS	16	2-4	5個/箱
C8322*	XS ショート	10	2-4	5個/箱
C8301*	S	16	2.5-6	5個/箱
C8302	M	16	5-9	5個/箱
C8303	L	21	9-14	5個/箱
C8304	XL	31	11-17	5個/箱



Alexis O C-セクション プロテクター/リトラクター (帝王切開用)

広い子宮露出のためのリジッドリング

製品番号	サイズ	シース長(cm)	切開長 (cm)	販売単位
G6313	L	21	9-14	5個/箱
G6314	XL	31	11-17	5個/箱



Alexis ラパロスピックシステム

組織回収前後の腹腔鏡的アプローチを可能にするラップキャップを付属

製品番号	サイズ	シース長(cm)	切開長 (cm)	販売単位
C8501*	S	16	2.5-6	6個/箱
C8502	M	16	5-9	6個/箱

*使用後の取り外しを容易にするためのテザー付きの製品です。



Alexis オープンペディックプロテクター

広い術野確保のためのリジッドリングと
柔軟な適合性を備えたフレキシブルリング

製品番号 サイズ シース長(cm) 切開長 (cm) 販売単位

リジッドリング

HR000	XS/M	10	2.5-7	5個/箱
HR001	S/S	10	2.5-8	5個/箱
HR004	S/M	10	2.5-8	5個/箱
HR005	M/L	14	5-13	5個/箱

フレキシブルリング

HR100	XS/M	10	2.5-7	5個/箱
HR101	S/S	10	2.5-8	5個/箱
HR104	S/M	10	2.5-8	5個/箱
HR105	M/L	14	5-13	5個/箱

1. Reid K, Pockney P, Draganic B, Smith SR. Barrier wound protection decreases surgical site infection in open elective colorectal surgery: A randomized clinical trial. *Dis Colon Rectum*. 2010;53(10):1374-1380. (Level of Evidence 1)
2. Cheng KP, Roslani AC, Sehha N, et al. ALEXIS O-Ring wound retractor vs conventional wound protection for the prevention of surgical site infections in colorectal resections. *Colorectal Dis*. 2012;14(6):e346-e351. (Level of Evidence 1)
3. Lee P, Waxman K, Taylor B, Yim S. Use of wound-protection system and postoperative wound-infection rates in open appendectomy: A randomized prospective trial. *Arch Surg*. 2009;144(9):872-875. (Level of Evidence 1)
4. Horiuchi T, Tanishima H, Tamagawa K, et al. Randomized, controlled investigation of the anti-infective properties of the Alexis retractor/protector of incision sites. *J Trauma*. 2007;62(1):212-215. (Level of Evidence 1)
5. Hinkson L, Siedentopf J-P, Weichert A, Henrich W. Surgical site infection in cesarean sections with the use of a plastic sheath wound retractor compared to the traditional self-retaining metal retractor. *Eur J Obstet Gynecol Reprod Biol*. 2016;203:232-238. (Level of Evidence 1)
6. Horiuchi T, Tanishima H, Tamagawa K, et al. A wound protector shields incision sites from bacterial invasion. *Surg Infect (Larchmt)*. 2010;11(6):501-503. (Level of Evidence 4)
7. Mohan HM, McDermott S, Fenelon L, et al; Members of the University College Dublin Wound Retractor Study Group. Plastic wound retractors as bacteriological barriers in gastrointestinal surgery: A prospective multi-institutional trial. *J Hosp Infect*. 2012;81(2):109-113. (Level of Evidence 2)
8. Horiuchi T, Nakatsuka S, Tanishima H, et al. A wound retractor/protector can prevent infection by keeping tissue moist and preventing tissue damage at incision sites. *Helix Review Series: Infectious Diseases*. 2007;(3):17-23. (Level of Evidence 5)
9. Spera P, Lloyd JD, Hernandez E, et al. AORN ergonomic tool 5: Tissue retraction in the perioperative setting. *AORN J*. 2011;94(1):54-58.

詳しくは

<https://appliedmedical.co.jp/Products/Alexis>を
ご覧ください

販売名: Alexis・ウインドプロテクター/リトラクター
医療機器製造販売認証番号: 302ACBZX00028000

販売名: Alexis・オープンペディックプロテクター
医療機器製造販売認証番号: 302ACBZX00029000

★単回使用

★添付文書を必ずお読みになってからご使用ください

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