



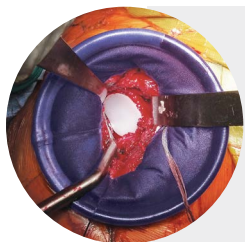
# Alexis™ Orthopaedic Protector

Clinical Evidence



**The Alexis orthopaedic protector** shields soft tissue – including the tensor fasciae latae (TFL) and deltoid muscles, and skin edges – from contact with abrasive instrumentation and debris at the wound margins.

## Product Benefits

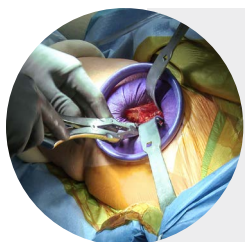
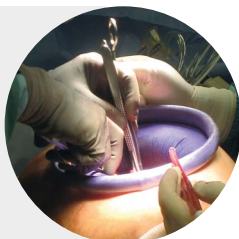


### Soft-Tissue Protection

The sheath protects soft tissue – including skin, fat, muscles and nerves – from abrasive instrumentation and debris.

### 360-Degree Atraumatic Retraction

The upper ring distributes the force of retraction evenly for optimal exposure of the joint capsule.

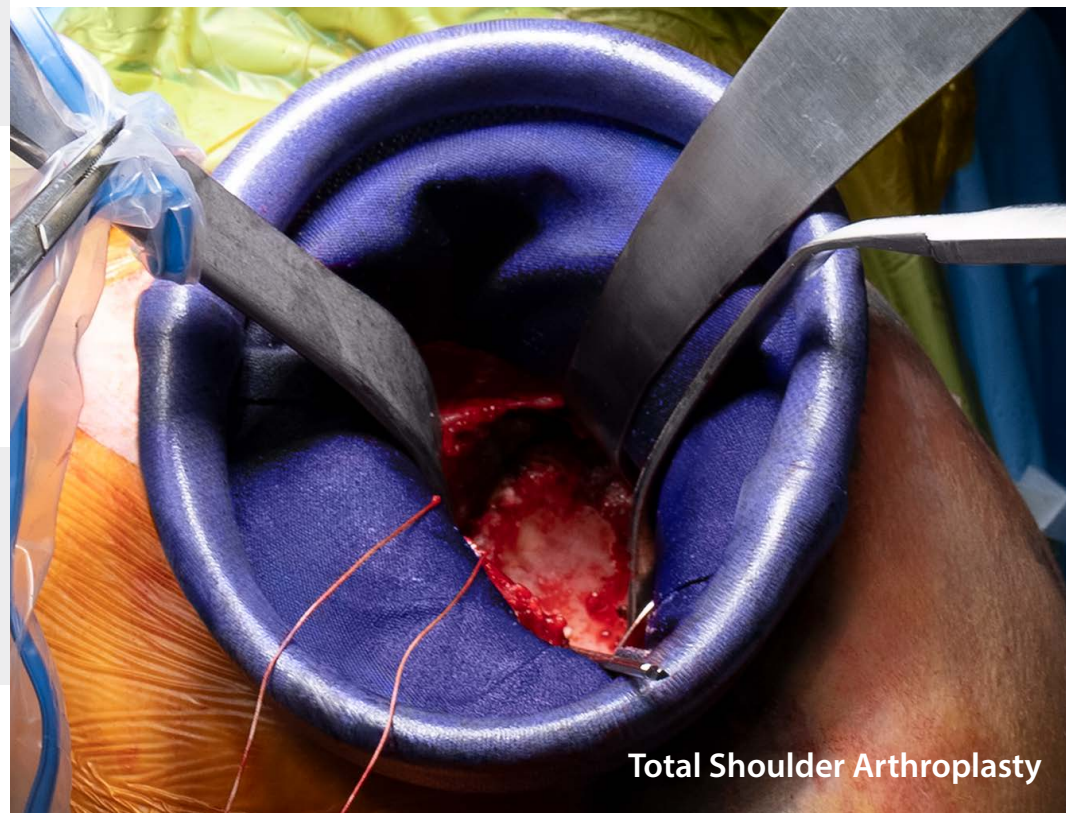


### Adaptability and Versatility

The retractor facilitates rapid and effortless setup.



Total Hip Arthroplasty



Total Shoulder Arthroplasty

# REDUCTION IN hypertrophic scarring in THA<sup>1</sup>

# 5X REDUCTION OF *C. acnes* in TSA<sup>4</sup>

## Alexis Orthopaedic Protector Provides Wound Protection and Aids in Hypertrophic Scar Prevention in Total Hip Arthroplasty

Furuichi S, Mitani S, Kawamoto T, Kikuoka R, Ota Y.

### Study Highlights<sup>1</sup>

- **Reduced Postoperative Redness:** Patients whose procedure did include a protector had less wound redness than those whose procedure did not.
- **Decreased Hypertrophic Scarring:** Three months postoperatively, patients whose procedure had included the use of a protector showed significantly lower rates of hypertrophic scarring than those whose procedure did not.

Postoperative results with a protector<sup>2</sup>



Immediately after surgery

Postoperative 2 weeks

Postoperative 3 months

Postoperative results without a protector<sup>3</sup>



Immediately after surgery

Postoperative 2 weeks

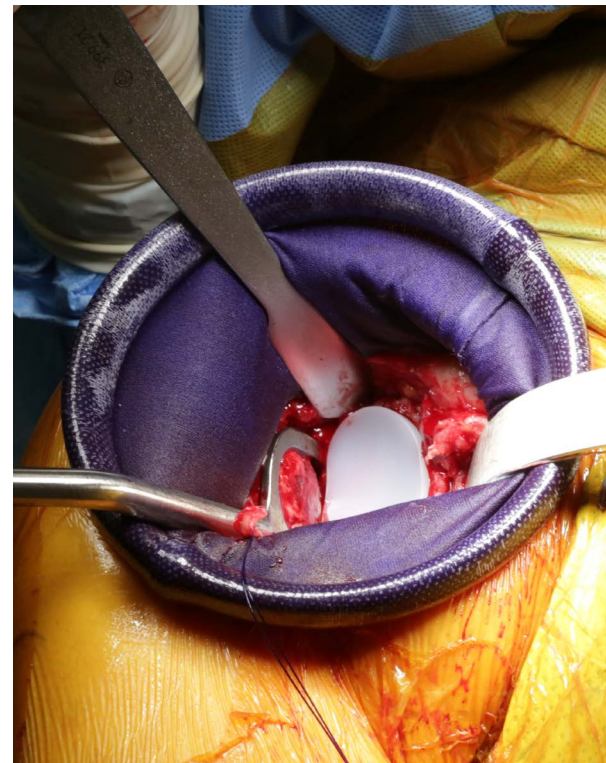
Postoperative 3 months

## Minimizing *Propionibacterium acnes* Contamination in Shoulder Arthroplasty: Use of a Wound Protector

Smith ML, Gotmaker R, Hoy GA, et al.

### Study Highlights<sup>4</sup>

- **Decreased *C. acnes* by Fivefold:** The prevalence of *Cutibacterium acnes* (*C. acnes*), formerly known as *Propionibacterium acnes* (*P. acnes*), was significantly lower on the protector than on the exposed superficial tissues.
- **Reduced Transfer Risk:** The protector acts as a physical barrier that limits the transmission of *C. acnes* into the deeper tissues via gloves and instruments.



Learn more on our website.



1. Furuichi S, Mitani S, Kawamoto T, Kikuoka R, Ota Y. Alexis Orthopedic Protector Provides Wound Protection and Aids in Hypertrophic Scar Prevention in Total Hip Arthroplasty. *Cureus*. 2024;16(6):e63545. Published 2024 Jun 30. doi:10.7759/cureus.63545

2. "Figure 6: A 48-year-old woman, group P" by Furuichi S, Mitani S, Kawamoto T, et al. (June 30, 2024) Alexis Orthopedic Protector Provides Wound Protection and Aids in Hypertrophic Scar Prevention in Total Hip Arthroplasty. *Cureus* 16(6): e63545. doi:10.7759/cureus.63545. Licensed under CC BY 4.0 (<http://creativecommons.org/licenses/by/4.0>).

3. "Figure 5: A 66-year-old female, group N." by Furuichi S, Mitani S, Kawamoto T, et al. (June 30, 2024) Alexis Orthopedic Protector Provides Wound Protection and Aids in Hypertrophic Scar Prevention in Total Hip Arthroplasty. *Cureus* 16(6): e63545. doi:10.7759/cureus.63545. Licensed under CC BY 4.0 (<http://creativecommons.org/licenses/by/4.0>).

4. Smith ML, Gotmaker R, Hoy GA, et al. Minimizing Propionibacterium acnes contamination in shoulder arthroplasty: use of a wound protector. *ANZ J Surg*. 2018;88(11):1178-1181. doi:10.1111/ans.14821

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