

## SSIs and their risk to the patients

### ADVA TRAY - the confidence to suture with ease

ADVA TRAY a unique dispensing system designed to deliver ease of suture dispensing with minimal memory in the suture strand<sup>7</sup>



#### ADVALENE

##### Product Description<sup>6</sup>

Composition	Polypropylene
Coating	None
Sizes	USP Size 1 to 3-0
Color	Blue
Absorption Profile	Non-absorbable
Tensile Strength	Permanent
Needle Availability	A wide variety of Round Body, Taper Cut, Cutting and Reverse Cutting Needles



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V-0

Steady performance for superior confidence

**ADVALENE**  
 Monofilament Synthetic  
 Non-Absorbable Surgical Suture

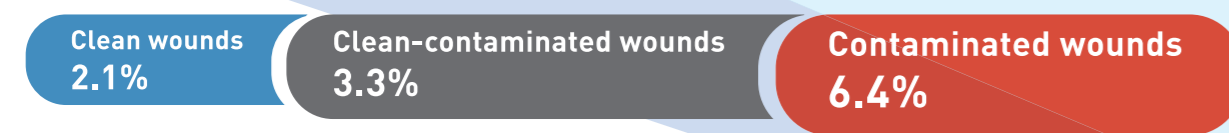
Reliable performance for confidence in contaminated wound closure

SSI is the third most common infection among hospital acquired infections<sup>1</sup>

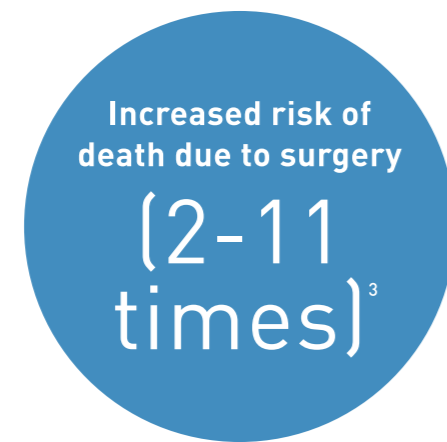
Majority of patients presented for surgery are either clean-contaminated or contaminated<sup>2</sup>

Contamination further multiplies the risk of surgical site infections<sup>2</sup>

Risk of SSI in patients with



Surgical site infections lead to:



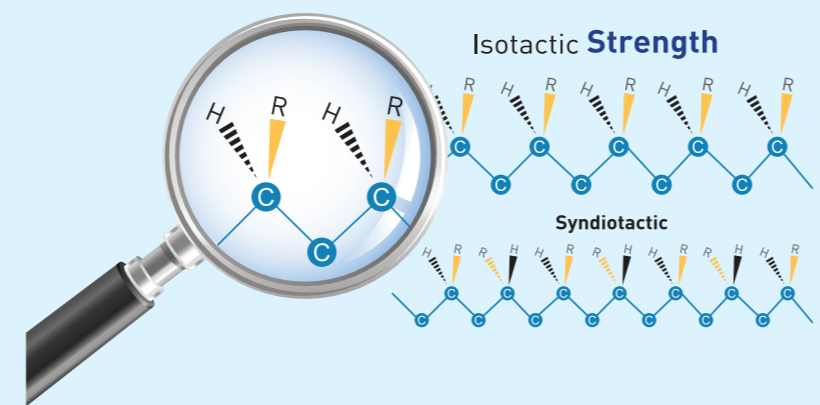
Like all implants, sutures can be colonized by bacteria, which can lead to biofilm formation<sup>4</sup>

The incidences of infections are lower in contaminated tissue containing polypropylene sutures<sup>5</sup>

REFERENCES  
 1. Selvaraj, Sivasankari et.al. "A study on the post surgical wound infections in a tertiary care hospital in Kanchipuram". Jemds.com. March 2016  
 2. Gottrup, Finn et.al. "An overview of surgical site infections: aetiology, incidence and risk factors" <http://www.worldwidewounds.com>. September 2005  
 3. Mangram, Alicia. "Guideline for prevention of surgical site infection" Vol. 20 No. 4, 1999  
 4. Henry-Stanley et al. Surg Infect (Larchmt). 2010;11:433  
 5. Physical and Chemical Configuration of Sutures in the Development of Surgical Infection- Department of Plastic Surgery, University of Virginia Medical Center, Charlottesville. June 1973

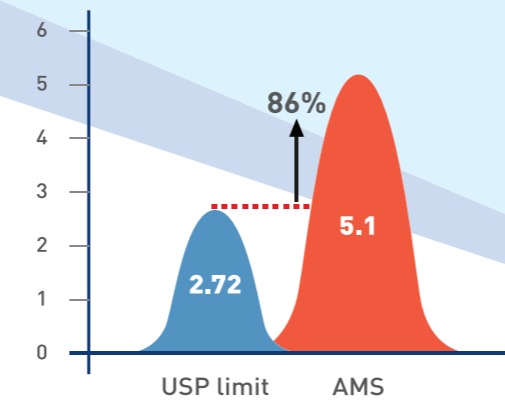
With exceptional strength comes confidence that lasts

Isotactic strength for permanent wound support<sup>6</sup>



- Absolute regular & longitudinal structure
- Minimal suture breakage & fraying
- Optimal elasticity & elongation
- Assured knot stability & security
- Enhanced pliability & handling
- Easy knot tying & smooth knot run-down

Knot pull tensile strength (KgF)



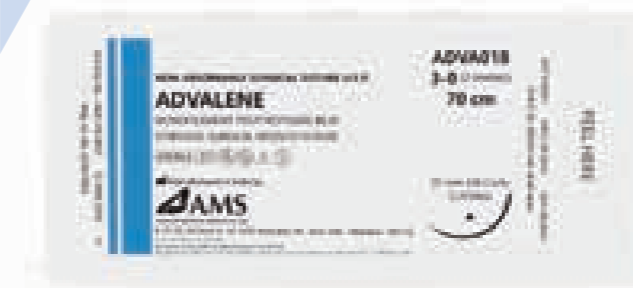
Predictable strength for permanent support

86% higher knot pull tensile strength than USP limit ensures permanent wound support<sup>7</sup>

REFERENCES  
 6. ADVALENE IFU - Data on file with AMS  
 7. Data on file with AMS - Bench test done on Polypropylene USP size-1, 40 mm Round body needle  
 8. Commonly used suture materials in skin surgery- Ronald L. Moy, Alicia Zalka, Dec, 1991  
 9. Sutures and suturing techniques in skin closure, Mohan H. Kudur, Sathish B. Pai, H. Sripathi, Smitha Prabhu, Vol 75 Issue 4, July-August 2009, Vol 75, Issue 4

The assurance of an Aluminum Pack

The only Polypropylene with Aluminum Pack ensures<sup>10</sup>



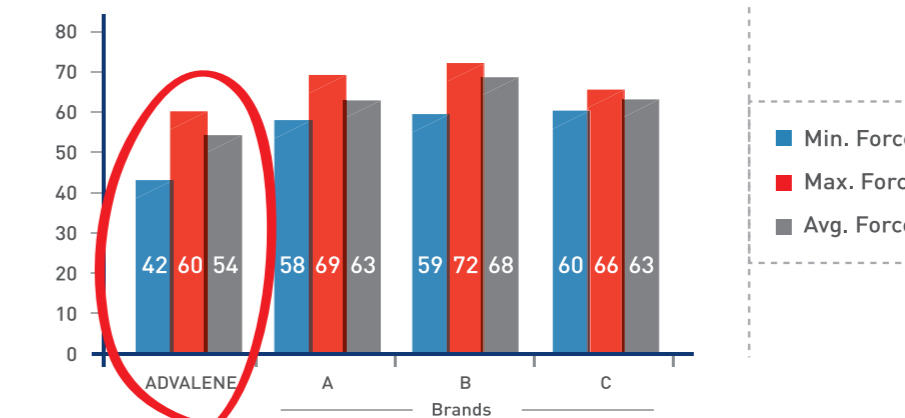
- An excellent barrier against external elements
- Lesser chances of product damage while handling
- Long term sterility

Augment your confidence

- Exceptionally smooth surface<sup>8</sup>
  - For minimal tissue drag & trauma
- Excellent plasticity ensures<sup>9</sup>
  - Knot deforms and flattens to provide excellent knot security
  - Excellent elasticity & elongation guarantee a stable knot

Premium needles paving the way for enhanced confidence

Needle penetration study<sup>11</sup>



REFERENCES  
 10. Data on File with AMS  
 11. Data on file with AMS - Bench test done on Polypropylene USP size-1, 40 mm Round body needle