

# ABRA<sup>®</sup> Abdominal

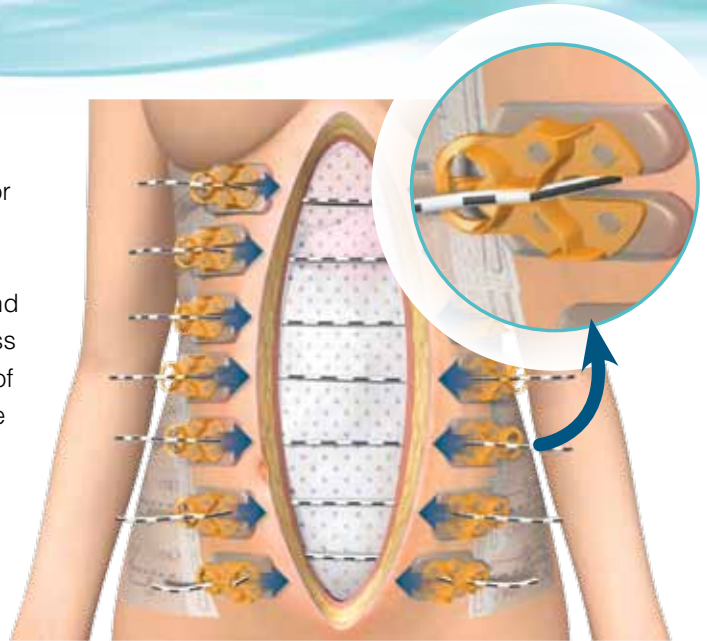
Designed to facilitate primary closure

## Open Abdominal Wounds

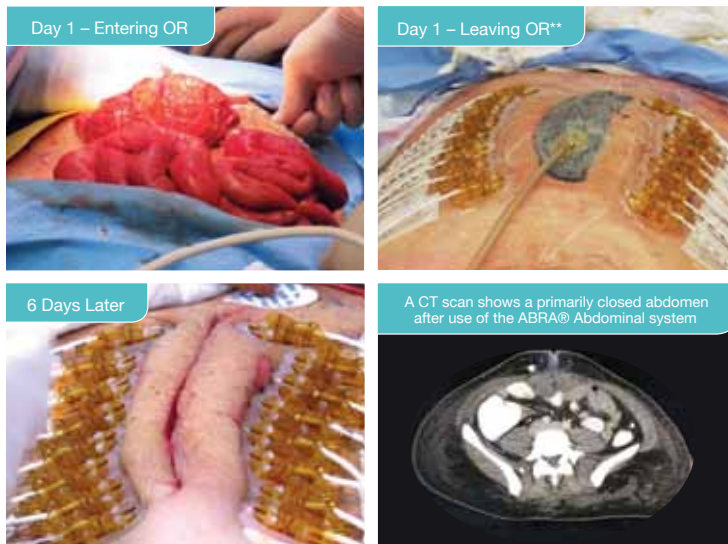
ABRA Abdominal allows for the option of primary closure for retracted, mid-line abdominal defects.

Installation of the ABRA System pulls muscle planes and skin together from their lateral retracted state with relentless dynamic appositional traction, leaving the leading edge of the wound margins undisturbed when performing definitive primary closure.

An abdominal wound closure restores normal physiology, which in certain cases has been shown to reduce length of stay, short-term morbidity risks, and future healthcare costs.<sup>1</sup>



### Results at a Glance\*



\* This case contains the opinions of and personal techniques practiced by the treating physician. The techniques presented herein are for informational purposes only. The decision of which techniques to use in a particular clinical application lies with the physician based on patient profile, particular circumstances surrounding the procedure, and previous clinical experiences.

\*\* ABRA Abdominal is not specifically cleared for concomitant use with Negative Pressure Wound Therapy. NPWT is used with ABRA Abdominal only if clinician independently decides to utilize it.

\*\*\* Can be purchased separately

### CWK08 ABRA Abdominal Wall Closure Set

<b>PACK</b>	10 packs/set
1. Button Tails (2/pack)	
2. Button Anchors (2/pack)	
3. 50 cm Silicone Elastomer (1/pack)	
<b>SurgiFish</b>	1/set
<b>13-hole Elastomer Retainer</b>	1/set
<b>Cannulator (SWC01)***</b>	1/set
<b>Southmedic Surgical Retainer (Large)(CWKSR-L)***</b>	1/set
<b>Button Tails (For Post-Operative Care)</b>	40/set

### CWK-EX ABRA Abdominal Wall Closure Set Extension

<b>PACK</b>	3 packs/set
1. Button Tails (2/pack)	
2. Button Anchors (2/pack)	
3. 50 cm Silicone Elastomer (1/pack)	
<b>Southmedic Surgical Retainer (Small)(CWKSR-S)</b>	1/set

### CWK-H ABRA Abdominal Wall Closure Set Extension

<b>PACK</b>	10 packs/set
1. Button Tails (2/pack)	
2. Button Anchors (2/pack)	
3. 50 cm Silicone Elastomer (1/pack)	
<b>Cannulator (SWC01)***</b>	1/set

### CWK-3 ABRA Abdominal Wall Closure Set

<b>PACK</b>	3 packs/set
1. Button Tails (2/pack)	
2. Button Anchors (2/pack)	
3. 50 cm Silicone Elastomer (1/pack)	

# A Dynamic Tissue Systems® Solution

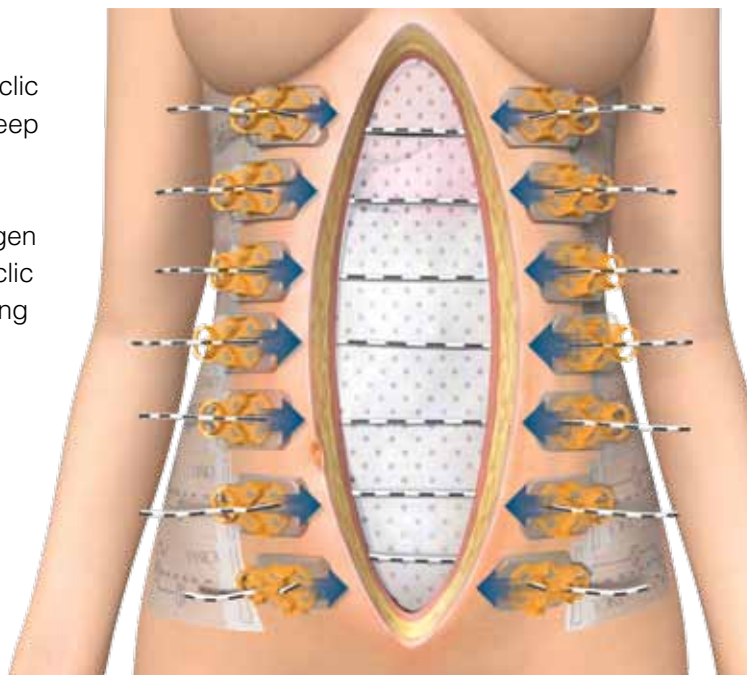
Open wounds impose serious clinical consequences

## Dynamic Action

Gentle, unrelenting dynamic appositional forces (cyclic stretching) counters the retracting forces that keep wounds open.

How? Cyclic stretching of tissue facilitates collagen fiber rotation, increasing skin coverage.<sup>2</sup> Chronic cyclic stretching leads to constructive remodeling including tissue generation and adaptation.

Unlike static devices, dynamic therapeutic tension rapidly addresses the challenge of the retracted, stable wound. Therapeutic tension addresses the inertia required to return wound edges back to their original position for delayed primary closure.



Dynamic Wound  
Closure

Retraction  
Prevention

Tissue Support  
and Expansion

1. Cinelli SM, Casey MJ, Kuhls DA, Browder TD, Coates JE, Fildes JJ. Early Primary Closure of Open Abdominal Wounds Using the Abdominal Reapproximation Anchor (ABRA®) System. University of Nevada School of Medicine, Division of Trauma and Critical Care, University Medical Center of Southern Nevada, Las Vegas, NV. Poster session presented at the Southwestern Surgical Congress, Coronado, CA; March, 2009.
2. Johnson, TM, Lowe, L, Brown, MD, Sullivan, MJ, & Nelson, BR. Histology and physiology of tissue expansion. The Journal of dermatologic surgery and oncology. 1993; 19(12):1074-1078.



Dynamic Tissue Systems

Respiratory

Surgical

Blades & Scalpels

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