

ABTHERA ADVANCE™

OPEN ABDOMEN DRESSING

ABTHERA ADVANCE™ Open Abdomen Dressing

The next generation in temporary
abdominal closure



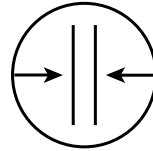
3M + KCI™

ABTHERA™ Open Abdomen Negative Pressure Therapy

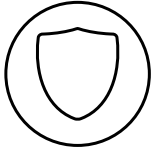
Mechanism of Action



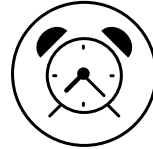
Actively removes fluid and reduces edema^{1,2}



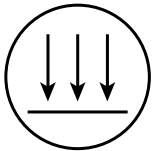
Provides medial tension which helps minimize fascial retraction and loss of domain^{2,3,4}



Provides separation between the abdominal wall and viscera, protecting abdominal contents



Allows for **rapid access for re-entry** and does not require sutures for placement



Helps **protect abdominal contents** from the external environment

Featuring ABTHERA ADVANCE™ Perforated Foam

Under negative pressure, the unique configuration of the ABTHERA ADVANCE™ Perforated Foam is designed to collapse medially while maintaining its vertical rigidity. It actively facilitates drawing wound edges together.



Pre-Clinical Evidence

No correlation to human use

In a comparative study of 4 healthy pigs with an open abdominal wound that were treated with either ABTHERA™ SENSAT.R.A.C.™ OA Dressing or ABTHERA ADVANCE™ Dressing at -125mmHg for 5 minutes, results showed that the ABTHERA ADVANCE™ Dressing showed a difference in the following:

31%

increase in overall tissue movement⁵ (N=82, p<0.005)

39% increase in skin movement⁵ (N=42, p<0.05)

20% increase in fascia movement⁵ (N=40, p<0.05)

NO change in intra-abdominal pressure was observed when negative pressure was applied in this study⁵

Key Components



1. ABTHERA™ Fenestrated Visceral Protective Layer

- Manifolds negative pressure throughout abdomen
- Enhances fluid removal from paracolic gutters
- Provides separation between abdominal wall and viscera, and protects abdominal contents

2. ABTHERA ADVANCE™ Perforated Foam

Actively facilitates drawing wound edges together by collapsing medially under negative pressure

3. V.A.C.® Drape

Provides a closed system to help isolate and protect abdominal contents from external environment

4. SENSAT.R.A.C.™ Pad

- Facilitates fluid removal from dressing
- Provides monitoring of negative pressure during therapy

5. Negative Pressure Therapy Unit

- Continuous negative pressure is provided by the V.A.C.ULTA™ Therapy Unit (not for use with instillation).
- To accommodate levels of fluid removal, 500mL and 1000mL canisters are available.

ABTHERA™ Fenestrated Visceral Protective Layer Specifications

Dimensions	665mm x 802mm
Encapsulated Foam Thickness	10mm
Polyurethane Layer Thickness	160 microns
Shelf Life	3 years at room temperature
Sterile, Latex Free	

Ordering Information

Description	Item Number	Qty.
ABTHERA ADVANCE™ Open Abdomen Dressing (Includes ABTHERA™ Fenestrated Visceral Protective Layer, (2) ABTHERA ADVANCE™ Perforated Foam, (4) V.A.C.® Drapes, and SENSAT.R.A.C.™ Pad and Tubing) For use with negative pressure therapy provided only by the V.A.C.ULTA™ Therapy Unit	ABT1055	5 per case

For more information, please contact your local representative.

References

1. Animal Study: Kubiak BD, Albert SP, Gatto LA, Snyder KP, Maier KG, Vieau CJ, Roy S, Nieman GF. Peritoneal negative pressure therapy prevents multiple organ injury in a chronic porcine sepsis and ischemia / reperfusion model. Shock. 2010; 34(5): 525-534.
2. Cheatham ML, Demetriades D, Fabian TC, et al. Prospective study examining clinical outcomes associated with a negative pressure wound therapy system and Barker's vacuum packing technique. World J Surg. 2013;37:2018-2030.
3. Frazee RC, Abernathy SW, Jupiter DC, et al. Are commercial negative pressure systems worth the cost in open abdomen management? J Am Coll Surg. 2013;216:730-733.
4. Atema JJ, Gans SL, Boermeester MA. Systematic review and meta-analysis of the open abdomen and temporary abdominal closure techniques in non-trauma patients. World Journal of Surgery. 2015 April; 39(4):912-925.
5. Schmidt M, Hall C, Mercer D, Kieswetter K. Novel Foam Design Actively Draws Wound Edges Together Under Negative Pressure: Benchtop and Pre-clinical Assessment. Presented at: Society of Advanced Wound Care / Wound Healing Society; November 3, 2018; Las Vegas, Nevada.

NOTE: Specific indications, contraindications, warnings, precautions and safety information exist for these products and therapies. Please consult a clinician and product instructions for use prior to application. This material is intended for healthcare professionals. Rx only.

© 2020 3M. All rights reserved. 3M and the other marks shown are marks and/or registered marks. Unauthorized use prohibited. LIT #29-A-362 • PRA-PM-ALL-00453 (09/20)

