PATIENT
A 75-year-old Caucasian female presented with an acute onset of epigastric pain radiating to both shoulders. There was no associated nausea, vomiting, diarrhea, fever or chills. Medical history included hypertension, hyperlipidemia, and hypothyroidism. Surgical history included a cholecystectomy (10 years prior) and a remote hysterectomy. There was no history of tobacco or alcohol use.

DIAGNOSIS
Initial CBC and chemistries were within normal limits. Lipase level was at 104. An initial CT of the abdomen revealed peripancreatic edema (A). At 48 hours post admission, CT/CAP revealed a hemorrhagic pancreatitis and hemoperitoneum (B).

INITIAL TREATMENT/APPLICATION OF ABThera™ OPEN ABDOMEN NEGATIVE PRESSURE THERAPY (OA NPT)
Patient had an elevated amylase/lipase levels, acute blood loss anemia, thrombocytopenia, coagulopathy, hypotension, AKI, metabolic acidosis, acute respiratory distress syndrome (ARDS), and abdominal compartment syndrome (ACS). Damage control surgery was performed (C) and ABThera™ OA NPT was applied. An ABThera™ OA Dressing was placed intraoperatively into the open abdomen. The ABThera™ Visceral Protective Layer (VPL) was trimmed to fit the size of the defect and tucked inside the abdominal wall to completely cover the viscera and protect abdominal contents (D). The ABThera™ Perforated Foam was measured and cut to fit inside the protected abdominal cavity. The ABThera™ Drape (E) and tubing were placed over the dressing to create a seal. Continuous pressure was initiated at -125mmHg to remove exudate and decrease edema. ABThera™ Therapy was used for a total of 3 days.

Washouts and dressing changes occurred at 48 and 72 hours. Component separation closure was performed at 72 hours after ABThera™ Therapy was removed. A Prevena™ Incision Management System was applied over the clean, closed surgical incision for 3 days (F).

DISCHARGE AND FOLLOW-UP
Patient was in the SICU/acute care hospital for 20 days and then transferred to a long-term acute care facility. Patient continues to improve and is awaiting rehabilitation placement.

USER EXPERIENCE
The ABThera™ OA NPT System is an excellent device that can be applied quickly, is simple to use and is highly effective in the management of the complex open abdomen patient.
ECONOMIC VALUE
The ABThera™ OA NPT System is an exceptional option for temporary abdominal closure. The ease of use of the system allows for rapid application and shorter operating times. The ability to apply the ABThera™ OA Dressing at the patient’s bedside in our surgical trauma unit has decreased operating cost and allowed a more timely response to our open abdomen patients.

CLINICAL OUTCOMES/CONCLUSION
In our clinical experience treating approximately 50 patients with ABThera™ OA NPT, we have noted an increased fascial closure rate and other positive results in our patients compared to patients treated with silastic (SILO) temporary abdominal closure technique. These results are based solely on one facility’s experience.

PROVIDED BY
Luis G. Fernández, MD, KHS, FACS, FASAS, FCCP, FCCM, FICS
Assistant Clinical Professor of Surgery/Family Practice
University of Texas Health Science Center, Tyler, Texas
Adjunct Clinical Professor of Medicine and Nursing
University of Texas, Arlington, Texas
Chairman, Division of Trauma Surgery/Surgical Critical Care
Chief of Trauma Surgical Critical Care Unit
Trinity Mother Francis Health System, Tyler, Texas
Brigadier General, Texas Medical Brigade, TXSG
Commanding Austin, Texas

NOTE: As with any case study, the results and outcomes of this patient should not be interpreted as a guarantee or warranty of similar results. Individual results may vary depending on the patient’s circumstances and condition.

ABThera™ SensaT.R.A.C.™ OA Dressing is designed for use with the negative pressure wound therapy provided by the InfoV.A.C.® and V.A.C.Ulta™ Therapy Units. When using the V.A.C.Ultra™ Therapy Unit, do not select the V.A.C. VeraFlo™ Instillation Therapy option. See Instructions for Use. ABThera™ OA Dressing is for use only with the ABThera™ NPT Therapy Unit.

NOTE: Specific indications, contraindications, warnings, precautions and safety information exist for KCI products and therapies. Please consult a physician and product instructions for use prior to application.

© 2012 KCI Licensing, Inc. All rights reserved. All trademarks designated herein are proprietary to KCI Licensing, Inc., its affiliates and/or licensors. DSL#14-0410.HP • Lit # 29-D-307 • REV 9/14