Recalcitrant Diabetic Ulcer
CASE REPORT BY PATRICK DEHEER, DPM, FACFAS (INDIANAPOLIS, IN)

CLINICAL HISTORY
A 55-year-old male with type 2 diabetes mellitus, diabetic neuropathy, and peripheral vascular disease presented to wound care center with traumatically induced heel ulcer of greater than 5 years duration, recalcitrant to local wound debridement, VAC therapy, synthetic skin grafting, advanced wound therapy, and HBO. This ulcer measured 4.5 x 8.0 x 0.1 cm after incision and debridement with a primarily granular base.

TECHNOLOGY OVERVIEW
NEOX®CORD 1K Wound Matrix is cryopreserved human Amniotic Membrane and Umbilical Cord (hAMUC). Amniox Medical’s proprietary CRYOTEK® preservation process retains the natural structural and biological characteristics of the hAMUC tissue while devitalizing the living cells. NEOX®CORD 1K Wound Matrix is used as a wound covering for dermal ulcers or defects.

PROCEDURE
Patient brought to operating room for sharp debridement to subcutaneous tissue and superficial fascia, calcaneal ostectomy and NEOX®CORD 1K application. NEOX®CORD 1K secured around the periphery with 4-0 nylon suture. After securing the matrix, the scalpel was used to fenestrate the tissue. A non-adherent contact layer was applied and secured with adhesive strips followed by dry sterile compression bandage.

OUTCOME
Patient achieved full epithelialization in 16 weeks despite uncontrolled blood sugar and irregular follow up (due to patient noncompliance) in the wound care center post-operatively.