



# Case Study

## Treatment of Non-Healing Surgical Wound with CDO

### Phoenix, AZ

Patient:	48 Year old male suffering from non-healing surgical wound
Medical History:	Diabetes, vascular issues, PVD, not a candidate for vascular interventions or HBO treatment
Wound History:	Patient initially had 2 blisters on great and second toe that lead to great toe amputation. Patient was scheduled for BKA, yet the wound showed enough improvement after one week of Continuous Diffusion of Oxygen (CDO) Treatment to cancel surgery.
Treatment:	3 OxyGeni® units set at 10 ml/hr paired with OxySpur® Oxygen Diffusion Dressing. Initially used with Hydrofera Blue*, Endoform* (both used to fill wound depth), SANTYL** (only in small, peripheral regions after sharp debridement since ointments block oxygen diffusion), Calmoseptine*** (protect periwound and relieve discomfort). During the last 6 weeks of CDO treatment only the OxySpur Dressing was used directly on the wound bed.
Outcome:	Wound reached 99% closure in 93 days with CDO therapy. Full closure was verified by patient and photo 16 days after treatment was discontinued.

Start of CDO 12 x 3.5 x 0.6 cm



Full Closure 16 days post CDO



*Pictures showing the sequence of healing on back.*



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Below is a series of pictures showing the sequence of healing using Continuous Diffusion of Oxygen (CDO) Therapy from initial application of the OxyGeni® System through complete healing.

Start of CDO  
12 x 3.5 x 0.6 cm



Day 15 of CDO



Day 18 of CDO



Day 36 of CDO



Day 50 of CDO



Day 64 of CDO



Day 93 of CDO  
99% closure



16 Days after  
end of CDO Therapy



\*Hydrofera Blue and Endoform are registered trademarks of Hollister Wound Care

\*\*SANTYL is a registered trademark of Smith & Nephew, Inc.

\*\*\*Calmoseptine is a registered trademark of Calmoseptine, Inc.