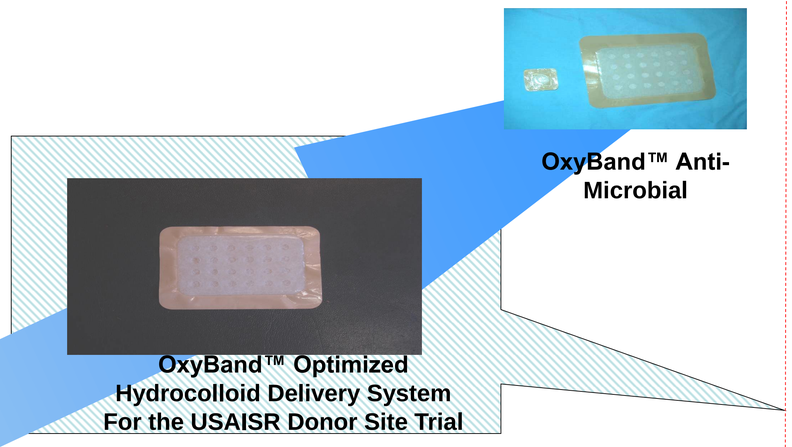
A Clinical Study Evaluating OxyBand Hydrocolloid Healing Time, Pain, Swelling, Drainage & Redness Vs. XeroformTM On Standardized Wounds

Stan Poulos, MD, Amie Franklin PhD, Patsy Eull, 3M
Plastic Surgery Specialists, Greenbrae, CA, OxyBand Technology, Woodburry MN, 3M Company, Saint Paul MN, USA

OxyBand Delivers The Healing Power Of Oxygen

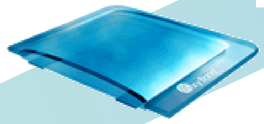
Benefits
Medical Grade Oxygen
Accelerates Healing
Reduces pain
Easy to apply & remove
Sterile

Features
Sustained O2 for up to 5 days
Flexible
Scalable Delivery Platform
Variable Adhesion Options



OxyBand™ Receives FDA Clearance Randomized Controlled Double Blind Trials

OxyBand™ Demonstrates Faster Healing



Concept Development To Over 36 Patents

*The research was partly funded by USAMRMC

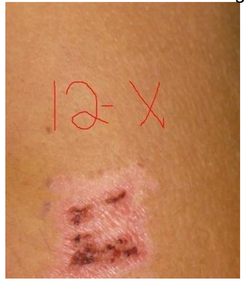
OxyBand Hydrocolloid Clinical Study

The OxyBand™ FDA 510(k) has been shown to speed wound healing by delivering high concentrations of oxygen directly to the wound bed. The USAISR is scheduled to onduct a clinical trial on donor site wounds, with the hypothesis that treating with OxyBand will result in faster healing than the standard of care dressing, Xeroform™. OxyBand specification is a hydrocolloid interface. A pilot study was conducted prior to the USAISR clinical trial to evaluate the OxyBand Hydrocolloid compared to the standard of care, Xeroform™.

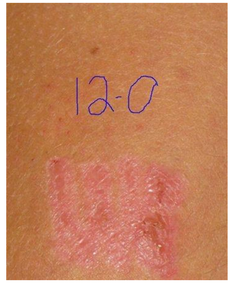
Methods: 13 healthy human volunteers received identical burns on opposite extremities. The wounds were induced with an erbium laser set to an ablation depth of 250 microns. This depth was selected as approximately equal to a 10/10000 inch thickness donor site wound. One wound was treated with the OxyBand Hydrocolloid and the other with Xeroform™ and covered with a 4x4 gauze.

The study cohort was divided into 2 groups, 4 day, and 5 day, follow up, to confirm optimal wear time. OxyBand is cleared by the FDA for up to 5 days. Group 1, Subjects 1-6 wounds were evaluated on day 4 and day 8, and Group 2, Subjects 7-13 wounds were evaluated on day 5, when the OxyBand dressing was removed. After day 5, wounds were evaluated daily without additional treatment and compared to Xeroform for, **Day of Healing, Pain, Redness and Exudate**. In addition, acute scaring, “tattooing”, and other cosmetic differences were also evaluated.

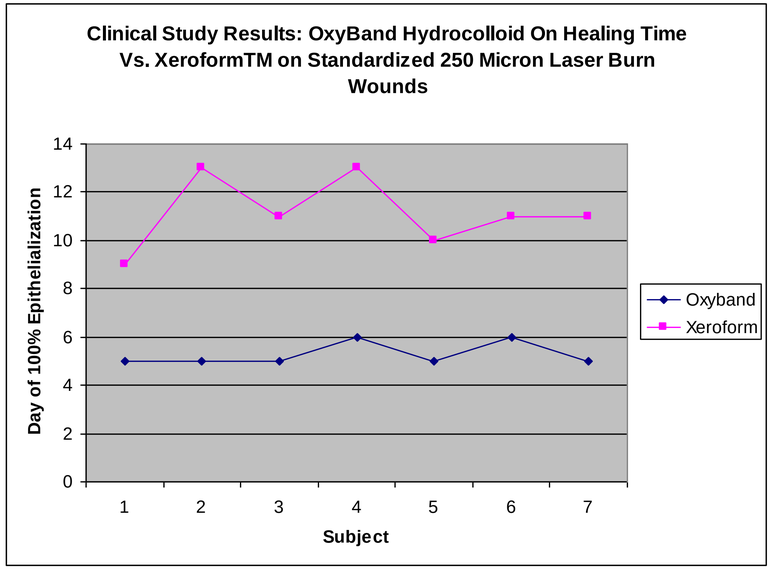
Clinical Study Results: OxyBand Hydrocolloid Vs. Xeroform Photographs



Xeroform™ 5 day Post Op

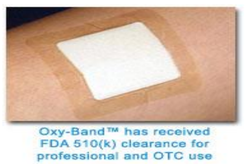


OxyBand™ 5 day Post Op



A Clinical Study Evaluating OxyBand Hydrocolloid Delivery System Vs. Xeroform[T]

Amie Franklin, PhD[3], and Stan Poulos, MD, Patsy Eull, 3M
OxyBand Technologies, Woodbury, MN, USA



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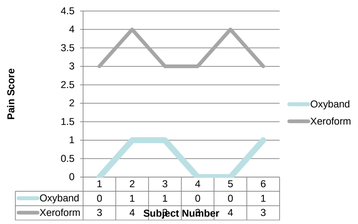
OxyBand™ Hydrocolloid

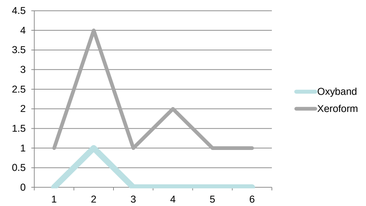
OxyBand Hydrocolloid Clinical Study

Data Summary

Graph 1: Group 1, Day 4
Follow- up Perceived Pain Score



8 Day Pain Score Group 1



5 Day Pain Score Group 2