

No compromises. Just results.





THE ROLE OF OXYGEN IN WOUND HEALING



Oxygen is essential during the **neutrophil** or macrophage respiratory burst, producing

reactive oxygen species (ROS) which are extremely important in **microbial** clearance.3



Promotion of

ROS is essential for the signalling processes

of **growth factors**

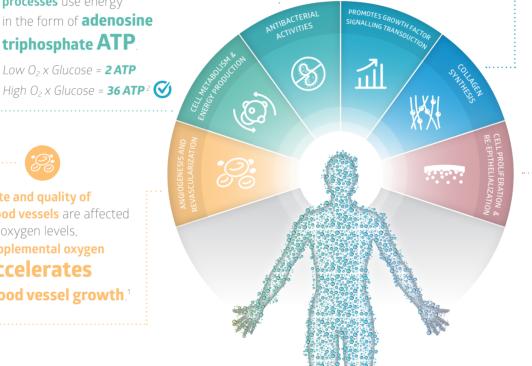
and processes such as angiogenesis and extracellular matrix formation.4,5



Higher oxygen concentrations have been

found to **increase** both the amount of

collagen production and its **tensile** strength.6





Delivering low flow oxygen has been shown to **INCREASE** the rate of wound closure. by as much as 69%.



Nearly all cellular

processes use energy in the form of adenosine

triphosphate ATP

Low O₂ x Glucose = **2ATP**

Rate and quality of blood vessels are affected by oxygen levels, supplemental oxygen accelerates

blood vessel growth.1

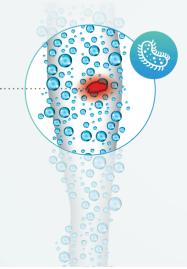


THE BOTTOM LINE: Wounds need oxygen to heal

The presence of a wound increases the body's need for oxygen by 20%¹⁰

An infected wound increases the body's need for

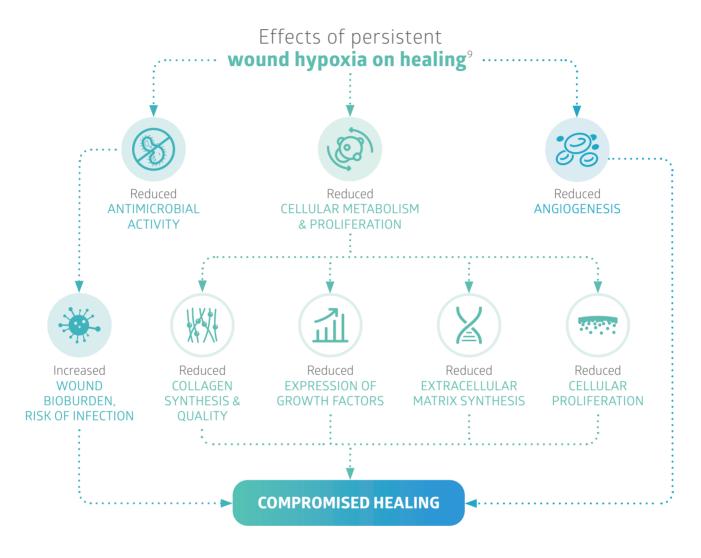
oxygen by 50%¹⁰



WOUNDS

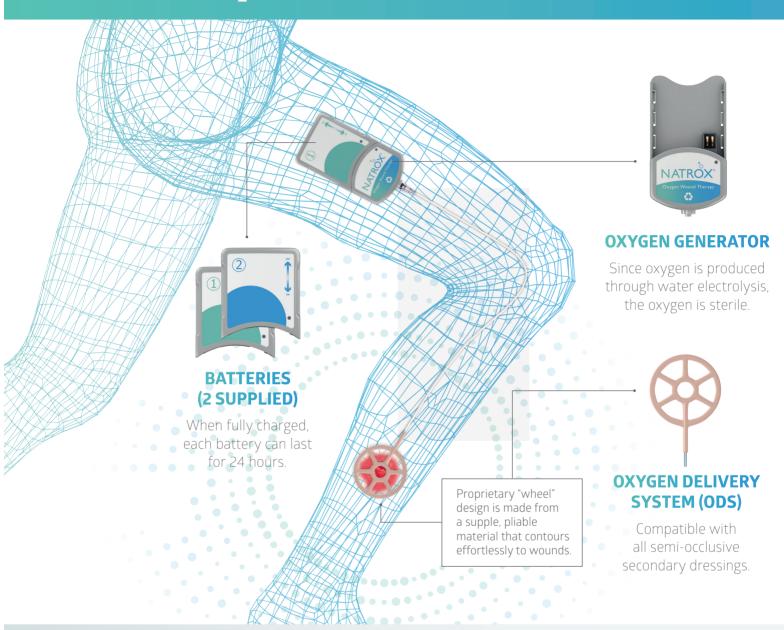
AND THE INCREASED NEED FOR OXYGEN

Wound hypoxia acts as the initial stimulant to begin the process of wound healing. Chronic hypoxia cannot sustain the process.8





INTRODUCING NATROX® O₂



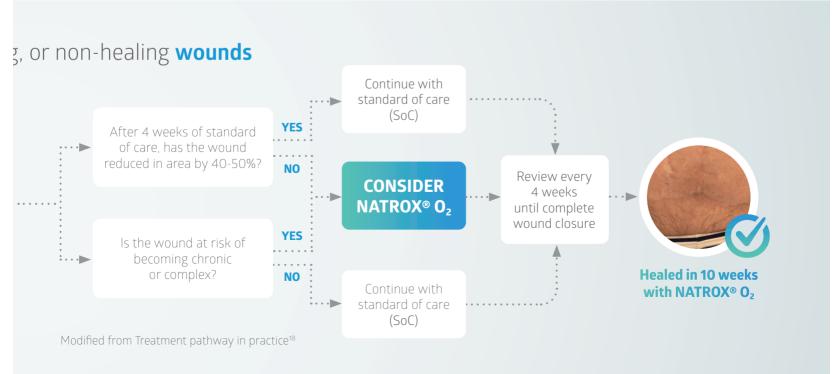


THE BOTTOM LINE: NATROX® O2 can help heal complex, slow healing, c



KEY BENEFITS & PRACTICAL APPLICATION





NATROX° O₂ CLINICAL EVIDENCE OF WOUND HEALING

Evidence Pyramid

Systematic reviews and meta-analyses of RCTs









Individual cases and



Randomised Control Trial – 145 patients

Previously non-healing diabetic foot ulcers

52% HEALED* with NATROX® O₂

NATROX® O₂ achieved a P-value for both healing and wound reduction when compared to control.¹⁹

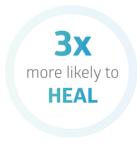


Greater healing rate**



Greater average % reduction in wound size**

* Per protocol group **Compared to control





NATROX® O2 Group





SoC Group



90% of DFUs healed after 8 weeks of NATROX® O₂ Therapy

compared to just 30% in the control group²⁰



THE BOTTOM LINE: Chronic wounds pose a significant burden to both p

This is why

18% of global wounds are **considered chronic**,²⁴ but account for **60%** of all **wound care costs**.²⁵

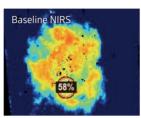
Rates of recurrence are as high as 70% at one year²² and lower extremity amputation is often inevitable.²⁶ Pain is often expressed to be the worst aspect of having a wound. More than 80% of patients with a chronic wound reported having pain at all times.²⁷



Meta-analysis suggests that topical oxygen therapy **significantly increased** the likelihood of **healing**.²⁸

Improved oxygenation and wound healing²¹



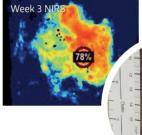


All patients experienced an increase in oxygenated haemoglobin at the wound bed within 3 weeks of NATROX® O₂ therapy. All wounds went on to heal completely.

31%
AVERAGE
INCREASE

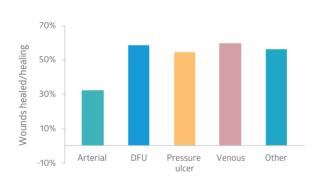
in tissue oxygenation





Week 9 Healed

The majority of wounds
DECREASED
BY >50% 22



200-patient study demonstrated wound healing in a variety of chronic wounds when treated for >25 days with NATROX® O₂

n patients and the healthcare systems worldwide²³

How NATROX® O₂ helps



85% of patients treated with topical oxygen remained healed at 1 year.²⁹



Amputation rates are significantly lower when continuous topical oxygen is used in conjunction with standard of care.³⁰



Painful ulcers:

76% felt rapid pain relief
69% stopped opioids
53% became pain free³¹

HEALING WITHOUT COMPROMISE



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