




# Supporting the Warfighter When It Matters Most

Injuries from trauma cases have acute and long-term consequences, among them a high prevalence of non-healing wounds.<sup>1</sup>

## Combat & Operational Wounds: A Critical Window

Severe injuries in theater and early post-evacuation often present with:

-  Compromised perfusion and tissue viability
-  Hypoxic (low oxygen) wound environments
-  High bioburden and infection risk <sup>1</sup>

Without early intervention:

-  Necrosis progresses
-  Wounds stall
-  Amputation risk increases<sup>2</sup>



## In trauma wounds, oxygen is often the missing element







Oxygen is essential to healing as it:

-  Drives cellular metabolism and ATP production
-  Enhances leukocyte function to fight infection
-  Supports angiogenesis (new blood vessel formation)
-  Promotes collagen synthesis and tissue repair<sup>2</sup>

## NATROX® O<sub>2</sub> Continuous Topical Oxygen Therapy

NATROX O<sub>2</sub> delivers continuous, localized oxygen directly to the wound site—**supporting all phases of wound healing.**

### Ideal for Military Care Settings

-  Optimized for the first 30 days of care
-  Small, silent, wearable, battery-operated
-  Easy integration into standard of care
-  Low maintenance, ability for patient to self-manage
-  Dressing may be left on for up to 1 week
-  Enables mobility and rehabilitation

### Deployment Ready for the Warfighter

Product	SKU	External Dimensions	Weight
NATROX® O <sub>2</sub> Kit	NA040-H	73 mm H x 194mm W x 259 mm D	28.1 oz
Box of 10 ODS	NA055-10-01	210 mm H x 45 mm W x 150 mm D	4.97 oz



# Evidence Supporting Early Use



## Reduced Healing Time<sup>3</sup>

NATROX O<sub>2</sub> + Standard of Care (SoC) had 71% better healing rates than SoC alone



## Reduced Pain & Opioid Use<sup>4</sup>

76% of patients experienced rapid, significant pain reduction. 69% stopped taking wound-related opioids



## Biofilm Management<sup>5</sup>

Results suggest increased metabolic activity within bacterial cells and less requirement to form biofilm following cTOT treatment



## Increased Oxygenation<sup>6</sup>

Near-infrared spectroscopy (NIRS) reveals increased tissue oxygenation in patients using NATROX O<sub>2</sub>



## Greater Durability<sup>7</sup>

85% of NATROX O<sub>2</sub> + SoC patients remained healed at one year vs. 60% of SoC alone



## Experts Agree<sup>8</sup>

Rapid oxygen delivery has significant positive impacts on wound healing

## Case Examples

### Case 1: Dehisced Surgical Wound<sup>9</sup>



On Presentation



10 Days Healed

IV antibiotics x 3 weeks.

#### Before commencement of NATROX O<sub>2</sub>:

Pain was 10/10 requiring IV Morphine.

**Day 2:** Pain was 4/10, patient switched to oral Paracetamol.

**Day 10:** Pain was 0/10, full wound closure.

## Value to DoD

- » Preserve limb function and readiness
- » Reduce long-term disability burden
- » Improve return-to-duty potential
- » Mitigate lifetime costs of amputation and prosthetics

### Case 2: Trauma Wound<sup>10</sup>



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6 Weeks - Healed

### Case 3: Amputation Wound<sup>11</sup>



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Day 56

### Case 4: Necrotizing Fasciitis<sup>12</sup>



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Day 67

## LEARN MORE:

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References  
[bit.ly/4n2j0x7](https://bit.ly/4n2j0x7)



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[bit.ly/30GATEZ](https://bit.ly/30GATEZ)

