

Presents:

HBOT & ARTEMIS NRT LASER THERAPY

Enhancing Treatment & Care with a combination of HBOT and Laser Therapies

The Management of Severe, Contaminated Degloving Wounds with HBOT and Therapeutic Laser Therapy



A small-breed male canine was referred for hyperbaric oxygen therapy after surgical treatment by a primary care veterinarian. The patient had been in a dog fight with a larger canine, who had inflicted a huge degloving wound over the left side of the patient's body.

(Image Left)

The referring veterinarian had closed the wound as much as possible, and immediately referred the patient for hyperbaric oxygen therapy.



(Image Right)

The patient was treated with IV fluids, IV antibiotics, then oral antibiotics, pain control medications, and daily hydrotherapy. Stay sutures were gradually removed over the next several days. Each day over the next 8 days TID HBOT sessions at 1.5 ATA for one hour at each session was administered, with at least 4 hours between sessions. Artemis NRT Laser Therapy was directed at the wound once daily. No further surgery was performed.



The partial wound closure performed by the initial attending veterinarian healed rapidly, a healthy granulation bed appeared and began contracting rapidly. The patient was discharged with instructions to keep the wound clean daily, and return for once weekly BID HBOT sessions. The wound continued to heal, and HBOT sessions were discontinued three weeks after initial presentation.

(Image Left)

HBOT has been shown to be beneficial in the treatment of wound healing associated with skin flaps. (Reference: Rech, FV et al, "Action of hyperbaric oxygenation in the rat skin flap", Sociedade Brasileira para Desenvolvimento Pesquisa em Cirurgia, April 2015; 30(4); 235-41.