Hyperbaric Oxygen Therapy for Wound Healing

- Treats Ischemia by increasing the pO2 in tissues
- Stimulates Angiogenesis
- Decreases Inflammation
- Breaks the dangerous cycle of 
  [Ischemia > Inflammation > Tissue Necrosis > Ischemia]
  Seen in: Reperfusion Injury
  Crush Injury
  Compartment Syndrome
  Acute Arterial Occlusion
- Stimulates Bone Healing
- Increases fibroblasts which increase collagen
- Augments certain antibiotic effectiveness
- Improved cell and capillary growth in irradiated tissues

Transcutaneous Oxygen Measurement (TCOM or TcPO2)

This noninvasive test of the extremity measures tissue oxygen pressures in different conditions (Room air, supplemental oxygen, and extremity elevation). It assesses if ischemia will hinder healing, so further vascular evaluation can be done. TCOMs predict the likelihood of healing certain amputation levels so that the most distal amputation can be planned. The results may be used to gauge how responsive tissue is to Hyperbaric Oxygen therapy.

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Did you know?
If a Venous Stasis Ulcer or a Diabetic Foot Ulcer hasn’t healed by 50% in 30 days, it will likely not ever heal.

Standard of care for these specific wound types may include offloading, treatment of infection, compression, nutrition evaluation, glycemic control, moisture balance, regular debridements, and in select cases may necessitate advanced therapies such as Hyperbaric oxygen or biologic alternative tissue application.

Don’t wait too late! We welcome the opportunity to partner with you early in the treatment process and heal these patients before complications ensue.

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