



HYPERBARIC OXYGEN THERAPY: A GUIDE FOR PHYSICIANS & SURGEONS

Sechrist has been integral to the research and development of hyperbaric medicine for more than 30 years. In that time, Sechrist chambers have been used to assist physicians in the pursuit of lifesaving applications of hyperbarics. Hyperbaric oxygen therapy offers you and your patients a modality for treating a broad range of conditions in which oxygen breathed under increased atmospheric pressure can reverse wound healing failure and speed recovery.

Effective for treatment of persistent infection, selected problem wounds, necrosis and ischemic conditions, including:

- Chronic non-healing wounds, especially where hypoxia is present
- Wagner III and greater diabetic foot ulcers*
- Refractory osteomyelitis*
- Radiation necrosis of bone or soft tissue*
- Soft tissue infection with tissue necrosis due to anaerobic infections*
- Gas gangrene (clostridial myonecrosis)*
- Compromised skin grafts or flaps*
- Acute traumatic ischemia/crush injury/compartment syndrome*
- Thermal burns

Other indications include:

- Acute carbon monoxide poisoning*
- Acute gas embolism*
- Decompression sickness*
- Acute cyanide poisoning*
- Severe blood loss anemia (when blood transfusion is impossible or delayed)

Breathing 100% oxygen at atmospheric pressures of up to three atmospheres raises the arterial PaO₂ to more than 2,000mm Hg. This elevation leads to:

- Rapid dissociation of carbon monoxide from hemoglobin and central nervous system cytochrome enzymes
- Elimination of intravascular and tissue gas bubbles, and restoration of CNS perfusion in gas embolism
- Reversal of local tissue hypoxia
- Enhanced collagen production, fibroblast proliferation, and neovascularization to provide support for the growth of granulation tissue
- Suppression of bacterial function and toxin production
- Enhanced leukocyte and macrophage function

**Approved for reimbursement by CMS (Medicare)*