Is Hyperbaric Oxygen Therapy Right for You?

14 APPROVED INDICATIONS

RAPID RECOVERY R3 REJUVENATION

WOUND CARE and HYPERBARICS

WHAT IS HYPERBARIC OXYGEN THERAPY?

Hyperbaric wound care offers a safe, natural, and efficient medical therapy for non-healing wounds and other conditions that resist standard treatments. Using nothing but 100% oxygen at pressures above regular atmospheric pressure, hyperbaric oxygen therapy (HBOT) nourishes wounds with pure oxygen.

Over the years, research has indicated the vast potential for HBOT to be used as an alternative therapy for many other conditions. From burn care to carbon monoxide poisoning, HBOT offers a unique and painless way to overcome serious health conditions and injuries.

WHAT ARE THE BENEFITS OF HBOT?

Decreased Edema

The condition of edema (swelling) occurs when too much water fluid accumulates in the cavities or tissues of the body. Edema can occur anywhere, from the brain (cerebral edema) to the heart (pulmonary edema). Since edema increases tissue pressure and restricts circulation, it automatically stunts wound recovery.

Tissue Hyperoxygenation

When tissue becomes hyperoxygenated through HBOT treatment, it becomes saturated with the oxygen known to stimulate healing. Hyperoxygenated tissues undergo reepithelialization, which is an increase in the epithelial cells responsible for closing wounds and forming a barrier on the skin.

Enhanced Antibacterial Activity By Leukocytes

When the body becomes flooded with oxygen through a treatment like HBOT, antibacterial activity immediately increases. Leukocytes, a type of white blood cell, gain strength and momentum from oxygen.

They’re able to more effectively kill dangerous bacteria and free radicals while also removing dead cellular debris. Studies show that leukocytes perform best at oxygen levels above 300 mmHg, levels only achievable with supplemental oxygen through HBOT.

Increased Angiogenesis

Angiogenesis is the essential function of creating new blood vessels. Without angiogenesis, tissue cannot survive or undergo repair after injury. Since oxygen levels in the body directly influence the rate and quality of angiogenesis, only a treatment like HBOT can directly stimulate and improve the creation of new blood vessels.

Synergistic Effects With Antibiotics

Doctors prescribe antibiotics to combat bacterial infections in the body, but antibiotics can't always sustain results alone. Research indicates that HBOT works synergistically with antibiotics as an adjunctive treatment.

> *FROM BURN CARE TO CARBON MONOXIDE POISONING, HYPERBARIC OXYGEN OFFERS A UNIQUE AND PAINLESS WAY TO OVERCOME SERIOUS HEALTH CONDITIONS AND INJURIES.*

Stimulate Growth Factors

When HBOT treatment saturates the body with 100% pure oxygen, the growth factors in blood platelets become activated. Growth factors are extremely powerful proteins that regulate growth and differentiation of cells in the body. They also stimulate the major components of wound healing like leukocytes and fibroblast.

Since HBOT stimulates growth factor activity, it in turn nurtures the best conditions for wound healing.

IS HYPERBARIC TREATMENT SAFE?

Absolutely! Hyperbaric oxygen therapy is a time-tested treatment that was developed in the 1600s. It's been used for medical treatments since the 19th century, especially for divers suffering decompression sickness.

Since HBOT is strictly regulated, patients experience very few side effects or problems after treatment.

Furthermore, hyperbaric wound care offers a safe, natural, and efficient medical therapy for non-healing wounds and other conditions that resist standard treatments. It uses nothing but carefully regulated 100% oxygen at pressures above regular atmospheric pressure, so the risk of complications is very low.

WHAT TYPES OF WOUNDS ARE APPROVED FOR TREATMENT?

AIR OR GAS EMBOLISM

An air or gas embolism is an air bubble that has entered a vein or artery. It can travel to the brain, heart, or lungs and cause a stroke, heart failure, or respiratory failure.

CARBON MONOXIDE POISONING

Carbon monoxide poisoning occurs when carbon monoxide builds up in your bloodstream, leading to serious tissue damage or death.

CLOSTRIDIAL MYOSITIS AND MYONECROSIS (GAS GANGRENE)

These life-threatening infections develop quickly and cause toxins to form in tissue, cells and blood vessels, leading to tissue death.

CRUSH INJURY

A severe physical injury caused by a crushing weight, severe blow, gunshot, car accident or industrial accident can result in restricted blood supply to tissues and organs.

DECOMPRESSION SICKNESS

Also known as divers' disease or caisson disease, this condition is brought on when a diver surfaces too quickly and does not allow the gases in the body to expand at a safe rate.

ARTERIAL INSUFFICIENCIES

Arterial insufficiency compromises circulation in the extremities and the capillary bed. Ulcers occur when injury or pressure in the area of poor circulation causes tissue and skin to break down.

SEVERE ANEMIA

Severe anemia is caused by an immense loss of blood, which reduces the amount of iron in the body.

OSTEOMYELITIS

Osteomyelitis is an infection of the bone, occuring when infection elsewhere in the body spreads through the bloodstream.

DELAYED RADIATION INJURY

When blood vessels are damaged during radiation, restricted blood flow can lead to wounds in soft tissue and bone.

INTRACRANIAL ABSCESS

Intracranial abscesses are uncommon, life-threatening infections. They are also called brain abscesses or cerebral abscesses.

NECROTIZING SOFT TISSUE INFECTIONS

These are extremely serious bacterial infections that develop rapidly and cause the affected tissue (skin, underlying tissues and muscles) to die.

THERMAL BURN INJURY

The extreme heat of hot metals, scalding liquids, steam, or flames immediately raises the temperature of the skin tissue, causing cell charring and even cell death.

COMPROMISED SKIN GRAFTS AND FLAPS

Grafts and flaps of skin and other tissue are used in reconstructive surgery. In some cases, blood supply to the graft or flap is compromised, causing complications.

SUDDEN SENSORINEURAL HEARING LOSS

Possible causes include viral infection, sinus infection, trauma to the ear, allergies, or circulation problems.

WANT TO LEARN MORE ABOUT HYPERBARIC OXYGEN THERAPY AND IF IT'S RIGHT FOR YOU?

Contact us below for a consultation. We'll discuss the best options for your treatment to ensure an optimal outcome.

CLICK HERE TO SCHEDULE A CONSULTATION