



Research Shows that Hyperbaric Oxygen Treats Erectile Dysfunction

Erectile dysfunction (ED) has become one of the most common and challenging conditions for Urologists today. ED can be a marker for cardiovascular disease and is most frequently caused by vascular insufficiency. Treatments today typically range from medication to surgery.

More recently, numerous studies have shown that Hyperbaric Oxygen (HBOT) provides significant benefits in managing ED. In a number of studies, researchers have found that HBOT virtually eliminates physiological causes of ED in 80% of patients.

How Hyperbarics Helps



Opens blood vessels to increase blood supply



Down-regulates over 4,000 inflammatory genes



Promotes angiogenesis



Increases oxygen carried in blood plasma, enabling more oxygen to reach erectile tissues



Reduces fibrosis and softens fibrous tissue.



Corrects Ischemia, which improves blood flow to penile tissues

What the Research Says

Dr. Shai Efrati, a leader in the field of HBOT research, has conducted numerous studies on its effects on various conditions. In one study, men with ED were given 40 sessions of HBOT. Many participants experienced significant improvement in their erectile function, and

some even achieved full restoration.

Moreover, Efrati's research showed that benefits were not merely short-term. Improvements in erectile function were maintained for a considerable time after the HBOT sessions.

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Research Studies

Undersea and Hyperbaric Medical Society

Delayed Radiation Injury (Soft Tissue and Bony Necrosis)

Hyperbaric oxygen is among the most studied and frequently reported applications in the treatment of delayed radiation injuries. This application of hyperbaric oxygen to the treatment and prevention of delayed radiation injury will be the topic of this chapter. The management of delayed radiation injury, especially when bone necrosis is present, requires multi-disciplinary management. The nature of delayed radiation injury, the mechanisms whereby hyperbaric oxygen is effective, clinical results, the effects of hyperbaric oxygen on cancer growth and future areas for research will be discussed.

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Patient Experiences

Listen to what real patients have to say about their experiences.

Jesus, 58



Jesus came to Bay Area Hyperbarics concerned because his physician said he would probably need to have a foot amputated because of a diabetic foot wound. After 60 treatments, Jesus' wound was almost completely healed, and his neuropathy went away.

Jesus was at first shy about sharing the side-effect: Hyperbaric oxygen therapy healed his erectile dysfunction, which he had for the previous eight years. His wife felt that she had her younger husband back. They could hike and be active in ways they had not for nearly a decade.



Patient Experiences



Jim, 58



Jim had migraine headaches on average every six weeks, each of which lasted three to five days and left him unable to work. He had to lie quietly in a dark room, and even medication at times did not work. His physician prescribed hyperbaric oxygen therapy, saying, "Some patients tell me it helps."

Throughout his hyperbaric treatments, Jim noticed increased energy, but the most surprising benefit was that his erectile insufficiency was completely gone. He said that he felt 20 years younger. He was able to run, and to experience an erection whenever he and his partner wanted.

Refer a Patient

Refer a patient in three easy steps.

- 1 You submit patient's information**
As a provider, your office fills out and faxes back the Patient Referral Form. Have questions? Call us!
- 2 We get authorizations**
We make sure the patient understands treatment and then follow the prescribed protocol to get the patient on the road to recovery!
- 3 Patient starts HBOT**
Our medical staff meets with the patient to ensure that HBOT is appropriate, and contacts Medicare or private insurance to receive authorization.



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How does HBOT Address ED?

1. Enhanced Oxygenation:

HBOT floods the body with oxygen. This super-saturated oxygen can reach tissues that are not accessible by the red blood cells, leading to enhanced oxygen delivery to damaged areas, including the penile tissue.

2. Improved Blood Flow:

A lack of proper blood flow is a common cause of ED. HBOT promotes angiogenesis. With more blood vessels, there's a better blood supply to the penile tissues, which can enhance erectile function.

3. Reduced inflammation:

Inflammation is known to cause and exacerbate ED. HBOT reduces inflammation and supports the body's natural healing processes. Reduced inflammation permits greater blood flow and oxygenation and supports the body's natural healing process.

4. Stimulates Healing:

For the penis to function, it requires healthy arteries, healthy nerves and healthy smooth muscle. HBOT helps with each: Chronic or untreated ED can lead to fibrosis or the development of scar tissue in penile tissues. Fortunately, HBOT has been shown to decrease fibrosis, which helps with smooth muscle function. HBOT also promotes the regeneration of tiny blood vessels in the penis and decreases ischemias which improves blood flow. It also decreases inflammation and increases oxygenation, which help rebuild nerves.

5. Antioxidant Effect:

HBOT also provides an antioxidant effect. Oxidative stress is a known factor in the pathogenesis of ED. By reducing oxidative stress, HBOT can enhance the functional ability of the penile tissue.

Research Studies

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