



The HBO₂ Clinic PLLC



Dr. Villines is a Board-certified Emergency Medicine specialist and has been practicing Hyperbaric Medicine since 1993. He has been involved in Wound Care and Hyperbaric Medicine, exclusively, since 2004. He is well-known and respected in the medical community, as well as by the many patients he has treated over the past 25 years.

Arkansas' only privately-owned hyperbaric-oxygen facility

The HBO Clinic, PLLC, was established to treat "off-label" indications that have not yet been accepted by most insurance companies. Most of these conditions have been studied extensively and have shown promising results with hyperbaric oxygen therapy. Some of these conditions include Autism Spectrum Disorder, Cerebral Palsy, brain and spinal cord injuries, stroke, sports injuries, and more.

Experience
the healing
power

- 3.0

- 4.0

- 5.0

- 6.0

- 7.0



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www.thehboclinic.com

PLLC

What is HBOT?

Hyperbaric oxygen therapy is the treatment of a variety of disorders with 100% oxygen at pressures greater than one atmosphere (we are currently at one atmosphere at sea level). The combined effect of increased pressure and pure oxygen is a dramatic increase in the amount of oxygen carried in our blood. At higher pressures, this means an increase of 1,000 percent or greater.

This marked increase in the amount of oxygen in our blood has a number of beneficial effects, among which are:

- » An increase in the oxygen level in all body tissues;
- » The stimulation of growth of new blood vessels (angiogenesis) in areas that are hypoperfused, or not getting enough blood or oxygen;
- » The reduction of edema (swelling) in injured or inflamed tissues, especially brain and spinal cord tissue;
- » High oxygen levels have both anti-inflammatory and antibiotic effects;
- » Recent research has shown that HBOT increases the mobilization of stem cells from the bone marrow into the general circulation.

Spacious, clear chambers provide adequate room, are equipped with two-way communication, and each unit has a DVD player and television to make your treatment as comfortable as possible.



HBOT has been used for decades in the treatment of decompression illness and certain problem wounds. Only recently has it become increasingly recognized as being beneficial for other, mostly neurological, conditions. So far, this has become more widely accepted in the international community than in the United States. In Germany, for instance, almost all stroke patients are treated with HBOT.

The HBO Clinic utilizes Sechrist 2500 monoplace chambers. While designed to treat only one person at a time, the chambers are large enough that, in most cases, a parent can accompany a child during a "dive" if necessary. While in the chamber, the patient has full view of the room through its clear acrylic walls.

The chambers are equipped with two-way microphones for communication between the patient and the attendant. Each chamber has a 26" flat-screen TV with an attached DVD player. Many patients simply nap during the "dive," which usually lasts 60 to 90 minutes.

The two most common problems associated with HBOT

are ear pain (barotrauma) and claustrophobia (confinement anxiety). Both problems are usually overcome easily with careful coaching and, occasionally, medication. HBOT is best used as adjunctive therapy to improve, not replace, ongoing treatments such as diet and physical therapy.

We encourage you to search the internet for studies involving HBOT and the condition that concerns you. Please don't hesitate to call us. We'll be happy to answer any questions you may have and send you additional information.

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