

HYPERBARIC OXYGEN THERAPY (HBOT)

Background Information on Hyperbaric Oxygen Therapy

By Kelly Moy, Governor of American Cryonics Society, Membership Coordinator, and Student Director

"It is not entirely impossible, that, perhaps sometime in the next decade, professors of medicine will have difficulty in explaining why the treatment with (hyperbaric) oxygen was not widely adopted much earlier." (circa 1999)

Edward Teller, Director Emeritus, Lawrence Livermore National Laboratories, & Senior Research Fellow Hoover Institution, Stanford University

"Hyperbaric oxygen adhering to all the gas laws of physics delivers free molecular oxygen to the cells for immediate metabolic use without energy exchange, even with compromised circulation" -- Edward Teller PhD. HBOT can be considered one of the most useful untapped medical advances of modern medicine. I would encourage those interested in a career that has crossover applications with cryonics to check out educational programs in HBOT. Professional certification in HBOT is offered at various levels, including board certified MD, RN, certified technologist. HBOT Research is also an important area to consider pursuing and would be an exciting growing field.

Currently the FDA approved uses for HBOT include: air embolism, blood loss, bone infections, burns, carbon monoxide poisoning (smoke inhalation), crush injuries, decompression sickness, gangrene, soft tissue infections, intracranial abscess, non-healing wounds, radiation tissue damage, and skin grafts.

However 'off label' indications are not recognized by the FDA, however these conditions can often be treated more effectively than FDA approved uses: stroke (cerebrovascular accident), head injury (cerebral edema/coma), cerebral palsy, bone-fracture, acute retinal artery occlusion, migraine & cluster headaches,

chronic fatigue-syndrome (CFS), sports injuries, sickle cell anemia crisis, acute spinal cord injury, multiple sclerosis (MS), Lyme disease, diabetic retinopathy, colitis, diabetic foot ulcers, and plastic/reconstructive surgery (preparation and recovery).

More detailed information can be obtained from the Hyperbaric Center of New Mexico:

It explains general concerns about HBOT and even new pilot studies. It mentions that HBOT does not increase free radicals. HBOT can be used for cases of ischemia as well. The main reason HBOT has not been promoted further in mainstream medicine is the lack of available HBOT professionals licensed to administer the treatment. It also explains that HBOT is covered by insurance for some conditions not for others. It mentions to consult a HBOT physician although a primary physician may have not prescribed it. The Hyperbaric Center of New Mexico offers compassionate treatment, does not require a physician referral, and is willing to try therapy for off label use pending favorable outcome. The website also provides many compelling scientific articles on HBOT

In some ways the distribution of HBOT parallels cryonics. I would like to discuss HBOT or any topic related to cryonics and life extension, including gardening. Please contact me or write to Long Life if you have experience with HBOT.
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On the same day we received Kelly's essay, there was an extensive article in FLORIDA TODAY. It reported on the seemingly miraculous cures people have experienced after using the chambers. Mark Fowler, from St Petersburg is a prophet in Selama Grotto, a Masonic organization similar to the Shriners that tries to help children with cerebral palsy. His grandson has cerebral palsy. Six years ago the organization bought a chamber for use by the boy and others who needed the treatments. At the time the boys seizures came three a minute. Within weeks of using the chamber, they disappeared and he began to eat without a feeding tube. Now he has two chambers in his living room, and there's a steady stream of people all day long, from all parts of the country to take advantage of the free one hour treatments

According to Dr. Paul Harch, a board certified hyperbaric and emergency medical physician with offices in New Orleans and Chicago, there's an estimated 6000 portable chambers in living rooms and clinics around the country. They cost around \$20,000, and a prescription is needed to buy one, but there's a large underground market for them.

HBOT has been around for centuries, but it was most commonly used for diving injuries. The FDA now approves its use for 14 different ailments, from gangrene to cyanide poisoning. Many doctors prescribe it for "off label" conditions such as, cancer, strokes, cerebral palsy and multiple sclerosis John Bull



**A patient receives treatment at the Mount Rainier Clinic in Yelm, Washington
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