



CENTER FOR NEW MEDICINE

HYPERBARIC OXYGEN THERAPY AND CANCER

HBOT has shown to significantly reduce inflammation in the body and is currently used with cancer patients to reduce inflammation in bones and adjacent tissues where radiotherapy may cause damage.

Researchers also suggest that HBOT will overcome one of the main influences of cancer – oxygen. The idea is cancer exists in a low-oxygen environment and plentiful oxygen can kill it off.

Cancerous tumors, due to their fast metabolism, exist best in a low oxygen and more acidic environment as their internal chemistry has adapted and functions well in this situation. However, when tumors are exposed to a surplus of oxygen, their internal environment becomes less acidic and the tumor cell retains significantly more oxygen. This surplus of oxygen causes the metabolic processes of the tumor cells to slow down and become less efficient. Effects of 90 minute HBOT lasts about 4-5 hours, typically followed by PEMF treatment to drive oxygen into cancer cells.

Hyperbaric Oxygen Therapy

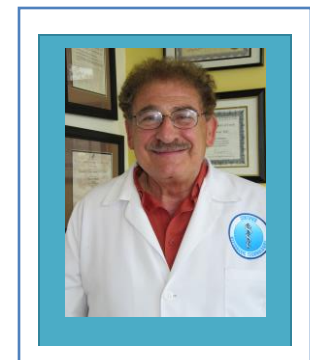


Hyperbaric Oxygen Therapy (HBOT) is an American Medical Association (AMA) recognized medical treatment that uses pressurized oxygen administered inside a specially designed chamber to deliver pure oxygen to oxygen-starved tissues. It is medicine's most efficient method of transporting oxygen to cells throughout the body. HBOT can result in dramatic benefits for cancer patients, stroke patients, traumatic head and spinal cord injuries, plastic surgery recovery, diabetic ulcers, burns and conditions in which poor circulation plays a role.

HBOT takes place inside specially designed medical grade hard chambers in which you comfortably lay down and breathe pure oxygen through a sealed mask while the pressure inside the chamber is slowly increased by two to three times that of normal atmosphere. At this pressure, oxygen, which is normally delivered to tissues via the hemoglobin in red blood cells, dissolves in all of your body fluids- the plasma, cerebrospinal fluid in the brain and spinal cord, and lymph. It is then transported to all tissues. Up to 15 times as much oxygen will be delivered to tissues than under normal conditions.

Your body's tissues need an adequate supply of oxygen to function. When tissue is injured, it requires even more oxygen to survive. Because HBOT increases the amount of oxygen your blood can carry, it temporarily restores normal levels of blood gases and tissue function in order to promote healing and fight infection.

Typically, one treatment session lasts 1 to 2 hours, during which you can watch a movie, listen to music, read or simply relax. You may notice a slight pressure change in your ears similar to air travel. When the session ends, the pressure is slowly returned to normal. At Center for New Medicine, we customize treatment protocols for different patients based on their individual cases.



Dr. Jolly-Gabriel, PhD