

WHAT IS HBOT?



Literally translated, “hyperbaric” means high pressure. Therefore, hyperbaric oxygen therapy (HBOT) is a therapeutic treatment that involves inhaling oxygen at higher than normal pressure.

More specifically, HBOT involves breathing medical grade oxygen (99.0% by volume) in a high pressure environment, like a hyperbaric chamber.



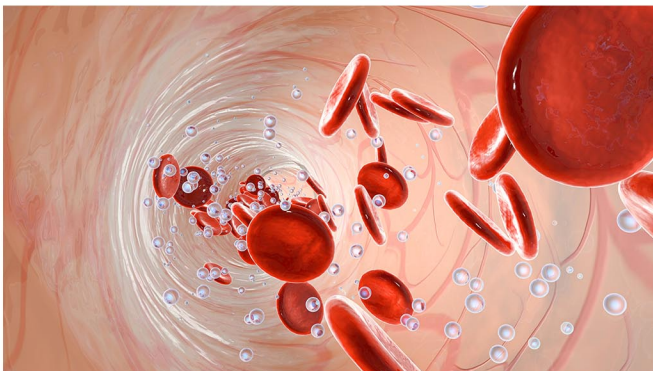
OXYGEN

HBOT involves the patient breathing medical grade oxygen through a mask or hood. Since oxygen is considered a drug by the FDA, patients must obtain a prescription from a licensed healthcare professional for these therapeutic treatments.



PRESSURE

Normal atmospheric pressure (at sea level) is 1 atmosphere (1 atm). Patients receive HBOT in a pressurized hyperbaric chamber. During treatment, the chamber pressure gradually increases to about 2 – 2.5 x normal atmospheric pressure (2 – 2.5 ATA).



HBOT involves breathing pure FDA certified oxygen while under pressure to increase oxygen levels in the liquid that surrounds our red blood cells and blood plasma.



Extivita

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to see if HBOT is right for you
visit www.extivita.org

**HYPERBARIC
OXYGEN THERAPY**



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THE SCIENTIFIC BENEFITS OF HBOT



Improves Circulation

Bypasses blood vessels in damaged tissues by inducing the formation of new ones; improving circulation, oxygenation, and perfusion of regular and deficient tissues.

Preserves, Repairs, & Enhances Cellular Functions



Boosts cellular metabolism, promotes rapid cell reproduction, and enhances collagen synthesis. Collagen is a protein in connective tissues like skin.



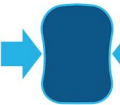
Accelerates Wound Healing

Increases production of nitric oxide in the bone marrow & microvasculature. Stimulates stem cells from the bone marrow, accelerating wound healing. Dilation of smaller blood vessels enhances blood flow to areas of local tissue damage, hypoxia, and ischemia.

Prevents Further Cellular Damage



Preserves the integrity of endothelial cells. This cellular protection helps improve blood flow to tissues and organs when damaged by conditions such as heart attack or stroke.



Reduces Inflammation & Swelling

Suppresses the cellular activity of the immune system which triggers swelling when an injury or damage to the body occurs. While this reaction is meant to start healing and protect from injury it can result in secondary injury, pain, and prolonged recovery time.

Enhances Anti-Microbial Function



Enhances exchange of certain antibiotic molecules across cells, promoting body's response to bacterial infection.

OUR CLINIC IN RTP

We are multi-seat hyperbaric chamber clinic. A multi-seat hyperbaric chamber is designed to treat multiple patients at a time. Patients sit in chairs while receiving oxygen through individual hoods in a pressurized chamber equivalent pressure of a shallow dive.



FREQUENTLY ASKED QUESTIONS



How Long are Treatments?

Treatments are typically 1.5 hours



Do I need a Prescription?

Yes. Oxygen is considered to be a drug by the Food and Drug Administration (FDA) and, in the United States, must be prescribed by a nurse practitioner. We have a nurse practitioner at the clinic who is able to write prescriptions.



Are there Any Side Effects?

The most common side effect is discomfort in the ears when the chamber is being pressurized. This is similar to being on a plane or driving in the mountains. The operators will instruct you on how to clear your ears.



What Can I Do Inside the Chamber During Treatment?

A lot of people bring reading material. There is also a tv that is specially designed to operate in a Hyperbaric Chamber.

