

HBOT

WHAT IS HYPERBARIC OXYGEN
THERAPY? (HBOT)



What is Hyperbaric Oxygen Therapy?

Hyperbaric Oxygen Therapy (HBOT) is a painless and non-invasive specialised oxygen treatment, that effectively enhances the body's natural healing. 100% oxygen is inhaled in a controlled Hyperbaric chamber, this allows blood plasma to absorb up to ten to fifteen times more oxygen at pressures greater than sea level (2.0 -2.5 ATA).



HBOT is a modern and scientific treatment method supported by more than 6000 studies.

HOBT is used for therapeutic purposes as well as for many therapies and Wellness.



Physiological Changes Promoted by Hyperbaric Oxygen Therapy

Increased amount of oxygen carried by the blood

Enables the oxygen to be dissolved into the hard-to-reach plasma, lymph, and fluid surrounding the brain and spinal cord

Stimulates the development of new blood vessels where circulation has been compromised

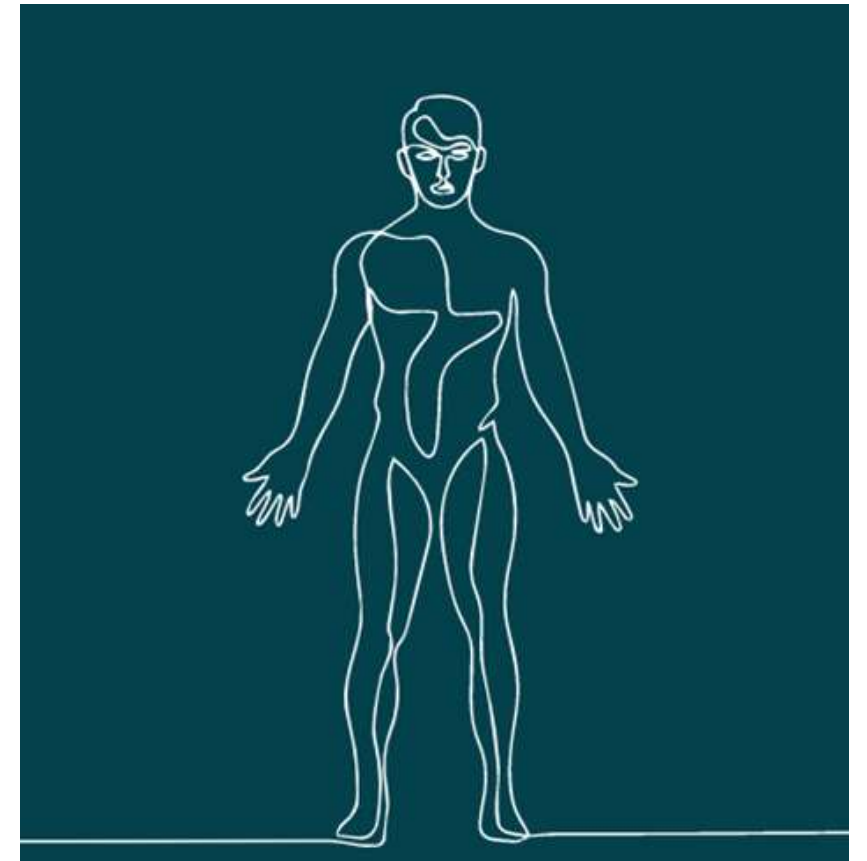
Promotes collagen, bone, and cartilage repair and regeneration

Reduces swelling and inflammation

Mobilizes, stimulates and increases of stem cells within damaged tissues and in bone marrow

Strengthens the immune system and stimulates the release of stem cells

Increases superoxide dismutase, one of the body's most crucial antioxidant and free radical scavenger





OPTIMISE
Health and Wellbeing

Assist with mental clarity,
outer beauty or inner peace



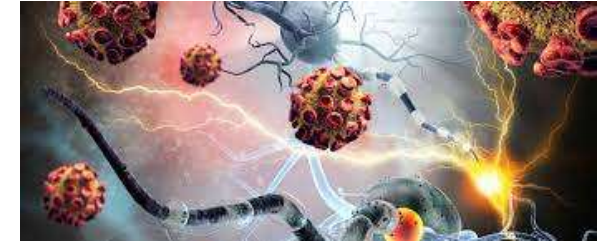
ENHANCE
Sports Performance

Bounce back from injury and
fast-track your training



ASSIST HEALING
Chronic Illness

Support recovery from acute
conditions and help find relief
from chronic illness



STRONG
RECOMMENDED
HBOT INDICATIONS

Used in the treatment of
many diseases

Why Use Hyperbaric Oxygen Therapy

Hyperbaric Oxygen Therapy Benefits

Hyperbaric oxygen therapy assists with the healing of Chronic Illnesses, optimises Health & Wellbeing, and enhances Sports Performance



Benefits can include

- ⑩ Reducing swelling and inflammation
- ⑩ Maximising post-workout recovery
- ⑩ Enhancing body's ability to create collagen to keep skin looking younger and healthier
- ⑩ Assisting faster regeneration of bone by increasing osteoblast and osteoclast production
- ⑩ Decreasing the by-products of inflammation and damaging free radicals by stimulating Superoxide dismutase (SOD) which is the most powerful antioxidant and detoxification enzyme in the cell



OPTIMISE Health & Wellbeing

Hyperbaric Oxygen Therapy is regularly used by health conscious people, biohackers and athletes around the world to complement wellbeing and recovery programmes.

ENHANCE

Sports & Performance

Elite sportspeople such as Cristiano Ronaldo, Novak Djokovic and Michael Phelps have been known to use Hyperbaric Oxygen Therapy in order to maintain fitness and achieve their competitive edge.

They, along with millions of other athletes and gym enthusiasts around the world, recognise the benefits of oxygen therapy. A “game-changer” in speeding up injury rehabilitation, boosting energy levels and increasing endurance levels.



Fine-tune

- ⑩ Sports Performance Enhancement
- ⑩ Muscle Recovery
- ⑩ Injury Repair
- ⑩ Energy Boosting
- ⑩ Inflammation Reduction

ASSIST HEALING Chronic Illness

Hyperbaric Oxygen Therapy is often used in conjunction with conventional medical therapies to manage, support and help control chronic diseases and conditions. Our medical consultant will conduct an assessment & examination to determine whether HBOT is suitable for you. A tailored management plan would then be developed, especially for you, based on your medical history and latest clinical research.

Conditions We Assist

- ⑩ Traumatic Brain Injuries
- ⑩ Chronic Fatigue / Fibromyalgia / ME
- ⑩ Cognitive Impairments / Dementia
- ⑩ Sensorineural Hearing Loss
- ⑩ Inflammatory Bowel Diseases
- ⑩ Lyme Disease
- ⑩ Multiple Sclerosis
- ⑩ Stroke



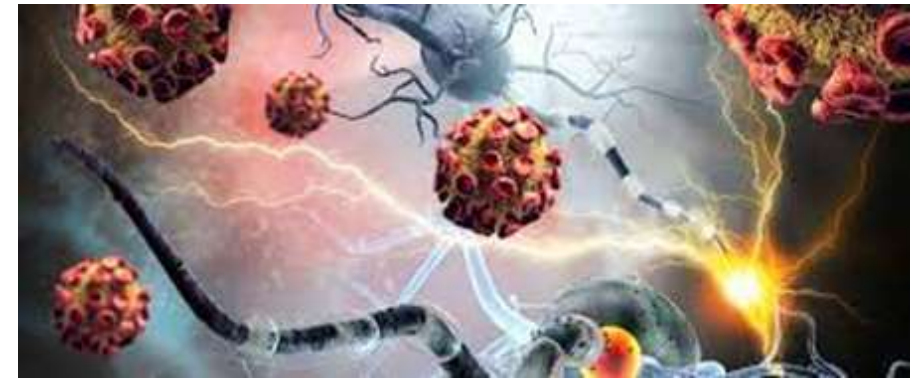
Strong & Recommended

- ⑩ Decompression sickness
 - ⑩ Arterial gas embolism
 - ⑩ CO poisoning (neurological, psychiatric, psychological conditions and pregnancy)
-
- ⑩ Burns and CO poisoning
 - ⑩ Necrotizing soft tissue infection, gas gangrene
-
- ⑩ Sudden hearing loss
 - ⑩ Diabetic wound
 - ⑩ Wound caused by atrioventricular
 - ⑩ Osteoradionecrosis
 - ⑩ Soft tissue radionecrosis
 - ⑩ Chronic refractory radionecrosis
 - ⑩ Skull or sternum osteomyelitis
 - ⑩ Crush syndrome
 - ⑩ Possible HBO indications
 - ⑩ CO poisoning (COHb below 10%)
 - ⑩ Soft tissue radionecrosis (enteritis, myelitis)
 - ⑩ Crush injuries are acute
 - ⑩ Acute compartment syndrome

STRONG RECOMMENDED HBOT INDICATIONS

Hyperbaric therapy is the primary treatment method for many diseases, especially shivering, carbon monoxide poisoning, sudden hearing and hearing loss.

Hyperbaric therapy is a clean treatment method and allows patients to recover quickly.



New Studies and HBOT in the Near Future

In stem cell studies

In space studies

In the treatment of Alzheimer's

COVID-19 recovery process and after

In the treatment of autism patients

Gene technology-DNA

Experiment with animals

Research and Studies

There is growing scientific evidence regarding the potential benefits of using hyperbaric oxygen therapy (HBOT) in a wide range of conditions.



ENHANCE

Sports & Performance

- **Sport Injuries**
- [Hyperbaric Oxygen Effects on Sports Injuries](#)
- **Ligament and Bone injuries**
- [Effects of Hyperbaric Oxygen and Platelet Derived Growth Factor on Medial Collateral Ligament Fibroblasts](#)
- [Effects of Hyperbaric Oxygen on Proliferation and Differentiation of Osteoblasts from Human Alveolar Bone](#)
- **Hamstring Injuries**
- [The effect of hyperbaric oxygen and blood platelet injection therapy on the healing of hamstring injuries in rugby players: A case series report](#)
- **Elbow Injuries**
- [Hyperbaric Oxygen Therapy Facilitates Surgery on Complex Open Elbow Injuries: Preliminary Results](#)
- **Muscle Regeneration**
- [Hyperbaric Oxygen Induces Basic Fibroblast](#)
- **Stem Cell Mobilisation**
- [CD34+/CD45-dim stem cell mobilization by hyperbaric oxygen – changes with oxygen dosage](#)
- **Spinal Cord Injuries**
- [The Effect of Hyperbaric Oxygen on Neuroregeneration Following Acute Thoracic Spinal Cord Injury](#)
- [Attenuating Experimental Spinal Cord Injury by Hyperbaric Oxygen: Stimulating Production of Vasculoendothelial and Glial Cell Line-Derived Neurotrophic Growth Factors and Interleukin-10](#)
- [Hyperbaric oxygen therapy improves local microenvironment after spinal cord injury](#)
- [Effects of hyperbaric oxygen on GDNF expression and apoptosis in spinal cord injury](#)

ASSIST HEALING

Chronic Illness

- **Traumatic Brain Injuries**
- [Hyperbaric oxygen in the treatment of patients with cerebral stroke, brain trauma, and neurologic disease](#)
- [Hyperbaric Oxygen Therapy Can Improve Post Concussion Syndrome Years after Mild Traumatic Brain Injury – Randomized Prospective Trial](#)
- [Hyperbaric oxygen may induce angiogenesis in patients suffering from prolonged post-concussion syndrome due to traumatic brain injury](#)
- [Effect of Hyperbaric Oxygen Therapy on Chronic Neurocognitive Deficits of Post-Traumatic Brain Injury Patients: Retrospective Analysis](#)
- [A Phase I Study of Low-Pressure Hyperbaric Oxygen Therapy for Blast-Induced Post-Concussion Syndrome and Post-Traumatic Stress Disorder](#)
- [Hyperbaric Oxygen Therapy and SPECT Brain Imaging in the Treatment of Chronic Brain Injury](#)
- [Low Pressure Hyperbaric Oxygen Therapy and SPECT Brain Imaging in the Treatment of Blast-Induced Chronic Traumatic Brain Injury \(Post-Concussion Syndrome\) and Post Traumatic Stress Disorder: A Case Report](#)
- [Case report: Treatment of Mild Traumatic Brain Injury with Hyperbaric Oxygen](#)
- [Hyperbaric oxygen: B-level evidence in mild traumatic brain injury clinical trials](#)
- **Dementia / Cognitive impairment**
- [Hyperbaric oxygen therapy improves cognitive functioning after brain injury](#)
- [Effect of hyperbaric oxygen therapy on chronic neurocognitive deficits of post-traumatic brain injury patients: retrospective analysis](#)
- [Hyperbaric oxygen therapy for Alzheimer’s dementia with positron emission tomography imaging: a case report](#)

ASSIST HEALING

Chronic Illness

- **Fibromyalgia / ME / Chronic Fatigue**
- [The efficacy of Hyperbaric Oxygen Therapy in the management of Chronic Fatigue Syndrome](#)
- [A New Treatment Modality for Fibromyalgia Syndrome: Hyperbaric Oxygen Therapy](#)
- [Hyperbaric Oxygen Therapy Can Diminish Fibromyalgia Syndrome – Prospective Clinical Trial](#)
- **Chronic Pain**
- [Effectiveness of Hyperbaric Oxygen Therapy in the Treatment of Complex Regional Pain Syndrome](#)
- [Hyperbaric oxygenation in peripheral nerve repair and regeneration](#)
- [A Novel Treatment Modality for Myofascial Pain Syndrome: Hyperbaric Oxygen Therapy](#)
- [Effectiveness of Hyperbaric Oxygen Therapy in the Treatment of Complex Regional Pain Syndrome](#)
- [Successful Treatment of Lower Limb Complex Regional Pain Syndrome following Three Weeks of Hyperbaric Oxygen Therapy](#)
- [The Severity Spectrum in Persistent Complex Regional Pain Syndrome \(CRPS\), Palliation with Ongoing Hyperbaric Oxygen Therapy \(HBOT\), and the Role of Serial Photo-Documentation \(P6.271\)](#)
- [Hyperbaric oxygen and the reflex sympathetic dystrophy syndrome: a case report](#)
- [Successful Treatment of Lower Limb Complex Regional Pain Syndrome following Three Weeks of Hyperbaric Oxygen Therapy](#)

ASSIST HEALING

Chronic Illness

- **Sudden Sensorineural Hearing Loss**
- [Should hyperbaric oxygen be added to treatment in idiopathic sudden sensorineural hearing loss?](#)
- [Hyperbaric oxygen as a method of therapy of sudden sensorineural hearing loss](#)
- [Prognostic effect of hyperbaric oxygen therapy starting time for sudden sensorineural hearing loss](#)
- [Clinical Practice Guideline: Sudden Hearing Loss](#)
- [Hyperbaric oxygen therapy in idiopathic sudden sensorineural hearing loss \(ISSNHL\) in association with combined treatment](#)
- [Addition of Hyperbaric Oxygen Therapy vs Medical Therapy Alone for Idiopathic Sudden Sensorineural Hearing Loss](#)
- **Inflammatory Bowel Disease/ Crohn's Disease / Ulcerative Colitis**
- [Hyperbaric Oxygen for Perianal Crohn's Disease](#)
- [Hyperbaric Oxygen Therapy for Severe Ulcerative Colitis](#)
- [Hyperbaric oxygen treatment for inflammatory bowel disease: a systematic review and analysis](#)
- [Systematic review: the safety and efficacy of hyperbaric oxygen therapy for inflammatory bowel disease](#)
- **Stroke**
- [Hyperbaric oxygen therapy: A new look on treating stroke and traumatic brain injury](#)
- [Hyperbaric Oxygen Induces Late Neuroplasticity in Post Stroke Patients](#)
- [Oxygen Therapy in Stroke: Past, Present, and Future](#)
- [Rationale of Hyperbaric Oxygenation in Cerebral Vascular Insult](#)
- [Hyperbaric Oxygen Induces Late Neuroplasticity in Post Stroke Patients](#)

ASSIST HEALING

Chronic Illness

- **Lyme Disease**
- [Hyperbaric oxygen therapy as an effective adjunctive treatment for chronic Lyme disease](#)
- [The efficacy of Hyperbaric Oxygen Therapy in the management of Chronic Fatigue Syndrome](#)
- [A New Treatment Modality for Fibromyalgia Syndrome: Hyperbaric Oxygen Therapy](#)
- [Hyperbaric Oxygen Therapy Can Diminish Fibromyalgia Syndrome – Prospective Clinical Trial](#)
- **Pre-Operative Conditioning and Post Surgical Recovery / Wound Healing**
- [Hyperbaric Oxygen Preconditioning Can Reduce Post-abdominoplasty Complications: A Retrospective Cohort Study](#)
- [Hyperbaric Oxygen Therapy: Solution for Difficult to Heal Wounds – Systematic Review](#)
- [Hyperbaric Oxygen Therapy for Wound Healing and Limb Salvage: a Systematic Review](#)
- [Hyperbaric Oxygen Therapy with Topical Negative Pressure: an Alternative Treatment for the Refractory Sternal Wound Infection](#)
- [Hyperbaric Oxygen Therapy for Non-Healing Vasculitic Ulcers](#)
- [Hyperbaric Oxygen Therapy as an Elective Treatment](#)
- [Oxygen in Wound Healing—More than a Nutrient](#)
- [In vivo effect of hyperbaric oxygen on wound angiogenesis and epithelialization](#)
- [Hyperbaric Oxygen Preconditioning Can Reduce Post-abdominoplasty Complications: A Retrospective Cohort Study](#)
- [Ischemic scleroderma wounds successfully treated with Hyperbaric Oxygen Therapy](#)
- [Effect of HBOT on nerve regeneration in early diabetes](#)

ASSIST HEALING

Chronic Illness

- **Video podcasts:**
- [HBOT to Overcome Chronic Fatigue with Dr. Scott Sherr MD and Ari Whitten](#), *Dr. Sherr is a board-certified internal medicine physician who provides worldwide HBOT consultations, education, and advocacy telemedicine practice.
- [The Brain Therapeutic Effects of Hyperbaric Oxygen](#) by Professor Shai Efrati

OPTIMISE

Health & Wellbeing

- **Anti-Aging/ Rejuvenation**
- [The development of hyperbaric oxygen therapy for skin rejuvenation and treatment of photoaging](#)
- **Podcasts/ Videos:**
- [Reverse Aging | Dr. Shai Efrati | TEDxWhiteCity](#)
- [How To Biohack A Hyperbaric Experience – A Physician Spills His Insider Secrets On How To Use HBOT Properly To Accelerate & Optimize Healing, Performance, and Recovery](#)
- [Hyperbaric Oxygen Therapy Wound Healing & Anti Aging Scott Sherr September 2014,](#)
*Dr. Sherr is a board-certified internal medicine physician who provides worldwide HBOT consultations, education, and advocacy telemedicine practice.

Hyperbaric Chamber for Alzheimer Treatment.

<https://lnkd.in/dHREpjQ>

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HBOT and Alzheimer's

<https://lnkd.in/dHREpjQ>

Why Justin Bieber Sleeps in a Hyperbaric Oxygen Chamber.

Source: https://lnkd.in/e_acUV

#health #medicalsciences #hyperbaricoxygentherapy

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Why Justin Bieber Sleeps in a Hyperbaric Oxygen Chamber

Henry Ford Allegiance (HFA) also uses hyperbaric Chambers for treatments. HFA Health is a 475-bed health system in Jackson in the U.S. state of Michigan.

#hyperbaricoxygentherapy

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Hyperbaric Oxygen Therapy at Henry Ford Allegiance Health

youtube.com

<https://lnkd.in/dFKmPPQ>