

Functional Medicine & Hyperbaric Oxygen

Conditions Benefitted

Flu – Virus – Venom Related Injuries

- Reduces systemic inflammation ¹
- Disintegrates virus ^{2, 3}
- Repairs cellular energy production⁴
- Restores damage to lungs
- Combats clotting

Auto-Immune

- Lyme Disease
- Arthritis
- Fibromyalgia
- Lou Gehrig's, ALS
- Multiple Sclerosis

Mental Disorders

- Brain fog
- Confusion
- Depression
- Disoriented speech
- Hallucinations
- Psychosis

Addictions

- Medications - Narcotics
- Alcohol - Nicotine

Chronic Pain

- RSD (Reflex Sympathetic Dystrophy)
- CRPD (Chronic Regional Pain Dystrophy)
- Carpal Tunnel

Auto Accident

- Concussion
- Muscle Tightness
- Skeletal / Soft Tissue Injury

Surgical Recovery

- Cosmetic or Reconstructive Surgery
- Complications from Body Fillers
- Liposuction Recovery
- Anesthesia Detox
- Avoid Tissue Death

Vascular Insufficiencies

- Neuropathy
- Spider Veins
- Cellulitis - Edema

Sports

- Bruises - Muscle & Bone
- Muscle Recovery
- Tendonitis
- Fractures
- Surgical Follow-up

Brain Injuries

- Concussion
- Traumatic Brain Injury
- Post-Traumatic Stress Disorder
- Stroke
- Near drowning

Colon & Urinary Disorders

- Crohn's
- Ulcerative Colitis
- IBS (Irritable Bowel Syndrome)

Inner Ear Problems

- Tinnitus
- Meniere's

Brown Recluse Spider Bite (before & after)



Hyperbaric Oxygen



Hyperbaric oxygen (HBO) is a medical treatment which provides 100% oxygen in a pressurized vessel.

Why Pressure?

Under pressure, oxygen dissolves into the fluid of the body, elevating arterial levels up to 20 times greater than normal.

The oxygen-rich liquid portion of the blood can effectively deliver high levels of oxygen to every cell in the body effectively:

- Increasing energy production
- Improving waste removal
- Repairing weak and damaged blood vessels
- Reducing inflammation and swelling
- Activating rapid healing

References:

1-HBOT in preventing mechanical ventilation in COVID-19 patient's retrospective case series, [J Wound Care](#). 2020 May 1;29(Sup5a):S4-S8. doi: 10.12968/jowc.2020.29.Sup5a.S4.

[Thibodeaux K¹](#), [Speyrer M¹](#), [Raza A²](#), [Yaakov R³](#), [Serena TE³](#).

All the patients recovered without the need for mechanical ventilation. Following 1 to 6 treatments with HBOT, oxygen saturation increased, tachypnoea resolved and inflammatory markers fell.

2-Hyperbaric oxygenation in the combined therapy of infectious diseases, Ivanov KS, Liashenko II, Kucheriavtsev AA, Finogeev IP, Zhdanov VP, Khodzhaev GA., *Klin Med (Mosk)*. 1992 Jan;70(1):90-2.

Hypoxia plays an important role in pathogenesis of infectious diseases. I.e: viral, bacterial, fungal.

3-HIV: reactive oxygen species, enveloped viruses and hyperbaric oxygen, Baugh MA., *BaroAntiviral*, San Diego, California 92103, USA., it consistently has been shown that a peroxidized viral envelope breaches, and a breached viral envelope causes viral disintegration.

4- Hyperbaric oxygen therapy effectively alleviates D-galactose-induced-age-related cardiac dysfunction via attenuating mitochondrial dysfunction in pre-diabetic rats

Aging (Albany NY). 2021 Apr 16;13(8):10955-10972. doi: 10.18632/aging.202970. Epub 2021 Apr 16.