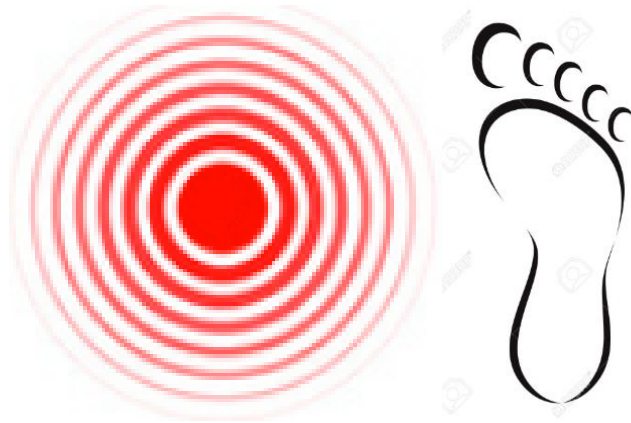


Neuropathy & Hyperbaric Oxygen



Pain & Numbness of Extremities

Emerging research confirms that neuropathy is primarily caused by a lack of oxygen¹. This can be the result of poor blood circulation, pinching nerves or its local blood supply, too much glucose in the blood, or toxic chemicals (prescription drugs, pesticides, cleaning solvents or substance abuse) creating excessive free radicals that negate available oxygen.

Low Oxygen

When the nerve cell is deprived of oxygen, the cell contracts, making itself smaller to conserve oxygen increasing the gap (synaptic junction) between nerve cells. Nerve cells do not come into contact with one another.

Signal Loss between Nerve Cells



A nerve impulse must jump across this gap. When the gap gets too big, the electrical nerve impulse cannot make the transition across this gap, and nerve function is impaired.

HBO & Nerve Health

Healing through HBO

Hyperbaric Oxygen Therapy has been known to be effective in controlling and reversing the pain and dysfunction associated with

- CRPS / RSD (Chronic Regional Pain Syndrome / Reflex Sympathetic Dystrophy), and
- Diabetic or non-diabetic neuropathies of the arms, hands, legs and feet.

Hyperbaric oxygen promotes healthy tissue, circulation, and nerve function through healing instead of medication masking.

- Reduces swelling, increases energy production for nerve restoration.²
- Eliminates inflammation, allowing healing to occur.³
- Improves blood cell health, thus improving oxygen carrying and delivery efficiency.⁴
- Greatly enhances white cell killing of unfriendly bacteria and some fungi at high oxygen pressures.⁵
- Facilitates elimination of bone infections.⁶
- Reduces the number of surgeries and deaths associated with poor circulation related tissue infections.⁷
- Extremely important is its stimulation of new capillary and vessel growth, promoting nerve health.⁸
- Finally, it promotes better tissue survival and healing of damaged tissue.⁹

What is Hyperbaric Oxygen?

Hyperbaric oxygen (HBO) utilizes a chamber to pressurize its' occupant while providing 100% oxygen to breathe.



Why Pressure?

- Oxygen under pressure, dissolves into the fluid portion of the body, elevating arterial levels up to 20 times higher than normal. The oxygen rich liquid portion of the blood can effectively deliver high levels of oxygen to areas of poor circulation.
- Oxygen is essential for the proper functioning of every cell in the body. Increased oxygen levels from HBO allow increased cellular metabolism, improved waste removal, and a dramatically accelerated rate of healing.

What Effect Could HBOT Have?

Temporary high levels of oxygen in the tissue promote many positive health factors. By reducing disease related stress, stimulating immune function, and improving energy production, overall health improves. When you feel better, you look better and are able to handle daily situations better.

HBO Best When Used as Part of an Overall Treatment Plan:

LED Light Table

- Benefitting acute and chronic pain
- Promotes nerve regeneration
- Speeds new tissue & Muscle repair

Sauna Detoxification

Multiple studies have shown that saunas are effective in removing solvents, organic chemicals, carcinogenic PCBs, pharmaceuticals, and heavy metal toxins from the human body.

Nutritional Supplementing

HBO can drive necessary nutrients into cells:

- Anti-inflammatories
- Anti-oxidants
- Minerals & Vitamins
- Parasite and anti-fungus support
- Heavy metal and Chemical Chelators
- Liver, kidney, or lymph detox support

Comprehensive Spine Care

Proper management of the nervous system via the spine addresses skeletal compressions affecting nerve communication, as well as blood flow for nerve health.

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