



HYPERBARIC OXYGEN THERAPY

NEUROLOGY & HYPERBARICS

The United States Center for Disease Control is now reporting that there are over 300,000 new cases of Lyme Disease each year. Additionally, as the disease remains difficult to identify and diagnose, the definitive number of people affected is currently unknown, making this the fastest growing infectious disease in the U.S. The tick-borne bacterium or spirochete (*Borrelia burgdorferi*) is protected by the biofilm it creates to hide from the immune system, and can often lie dormant for years. Often antibiotic interventions alone fall short in providing much needed symptomatic relief. Hyperbaric oxygen therapy (HBOT) has been shown to elevate tissue oxygenation, which can be lethal to this bacteria, increase white blood cell activity and enhance antimicrobial responses. Oxygen is essential in the killing of bacteria and by exponentially raising oxygen levels throughout the body, the efficiency of bactericidal action of white blood cells can be enhanced dramatically. Clinical data and case reports have demonstrated lasting benefits of HBOT for Lyme Disease with the following:



AMELIORATE NEUROLOGICAL CONDITIONS WITH HBOT

- ✓ Decreases Neuroinflammation
- ✓ Enhances Short-Term Memory
- ✓ Reduces Chronic Fatigue
- ✓ Improves Concentration
- ✓ Ameliorates Chronic Headaches
- ✓ Lessens Depression
- ✓ Moderates Insomnia

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Continued...

INCREASE MOBILITY WITH HBOT

- ✓ Diminishes Inflammatory-related Arthritic Pain
- ✓ Lessens Muscle Discomfort
- ✓ Improves Walking Distance
- ✓ Amplifies Energy Levels

ENHANCE ANTIBACTERIAL EFFECTS WITH HBOT

- ✓ Induces Angiogenesis to Mobilize Blood Flow to Affected Tissue and Bone
- ✓ Augments Antibiotic Interventions by Driving Spirochete out of Biofilms
- ✓ Enhances White Blood Cell and Immune System Activity
- ✓ Improves Antibiotic Cell Wall Penetration
- ✓ Increases Oxygen Free Radicals to Combat the Bb Organism



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