



Why AIT Is Ideal for Lyme Disease

Lyme disease is a bacterial infection caused by *Borrelia burgdorferi*, primarily transmitted to humans through the bite of infected black-legged ticks (commonly called deer ticks). It is most prevalent in wooded or grassy areas, especially in parts of the northeastern, midwestern, and Pacific northwestern United States.

AIT is highly effective as a supportive or standalone therapy for Lyme disease, especially in chronic or treatment-resistant cases. Lyme disease - caused by the *Borrelia burgdorferi* bacteria—can persist in the body long after initial infection due to its ability to hide in tissues, form biofilms, and trigger widespread immune dysfunction and inflammation.

How AIT Addresses Key Lyme Symptoms

| Lyme Symptom/Issue | AIT Benefit |
|--|--|
| Fatigue / Low Energy | Boosts mitochondrial ATP and oxygen delivery |
| Brain Fog / Memory Loss | Detoxifies neurotoxins, improves cerebral oxygenation |
| Joint & Muscle Pain | Reduces inflammation, flushes toxins from tissues |
| Neuropathy / Nerve Pain | Oxygenates nerves, reduces oxidative stress |
| Immune Suppression | Rebalances immune response and enhances defense |
| Hidden Infections / Co-infections | Disrupts biofilms, exposes and oxygenates anaerobic microbes |

1. Hyperoxygenation Kills Anaerobic Pathogens

Borrelia thrives in low-oxygen (anaerobic) environments.

- AIT floods the body with oxygen, elevating systemic oxygen levels to make the internal environment hostile to Lyme bacteria and other co-infections (e.g., Bartonella, Babesia).

2. Disruption of Biofilms

Lyme bacteria often encase themselves in biofilms—slimy protective layers that resist antibiotics and immune detection.

- Gas-infused fluids, combined with antioxidant and detox agents, may disrupt biofilms, allowing the immune system to target and eliminate hidden pathogens more effectively.

3. Cellular Detoxification

Chronic Lyme leads to high levels of neurotoxins, inflammatory byproducts, and heavy metals, which overwhelm detox pathways.

- AIT enhances cellular and systemic detox, flushing out these harmful substances and reducing the toxic burden that contributes to symptoms like brain fog, fatigue, and joint pain.

4. Immune System Modulation

Lyme disease can cause immune dysfunction, often shifting between autoimmune responses and immune suppression.

- AIT helps balance the immune system, reduce cytokine storms, and support immune regulation—vital for both acute infection and chronic inflammation.

5. Anti-inflammatory Action

Lyme-induced inflammation affects joints, nerves, brain, and organs.

- AIT helps calm inflammation throughout the body, alleviating symptoms like joint pain, headaches, neuropathy, and fatigue.

6. Enhanced Mitochondrial Function

Lyme disease drains the body's energy by impairing mitochondrial function and oxygen use.

- AIT recharges cells by restoring oxygen delivery, reducing oxidative stress, and promoting ATP production, improving energy, stamina, and brain function.

Bottom Line

AIT creates a hostile environment for Lyme pathogens and a healing environment for your cells. By combining oxygenation, hydration, detoxification, and nutrient delivery, it addresses Lyme disease at the root—improving outcomes even when antibiotics or conventional treatments fall short.