

STEMCELL LONGEVITA

Stem Cell Therapy for Lyme Disease: A Patient's Guide

Addressing Chronic Lyme Through Immune Modulation



Your Journey to Regenerative Health Starts Here

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Understanding Lyme Disease

What Is Chronic Lyme Disease?

Lyme disease is caused by the bacterium *Borrelia burgdorferi*, transmitted through tick bites. While early Lyme is often treatable with antibiotics, a significant number of patients develop persistent symptoms known as Post-Treatment Lyme Disease Syndrome (PTLDS) or chronic Lyme. These patients experience ongoing fatigue, pain, cognitive difficulties, and neurological symptoms months to years after initial treatment.

Chronic Lyme Symptoms

- Persistent fatigue and malaise that significantly impacts daily functioning.
- Widespread musculoskeletal pain, joint swelling, and stiffness.
- Cognitive difficulties including brain fog, memory problems, and difficulty concentrating.
- Neurological symptoms including numbness, tingling, and nerve pain.
- Immune dysregulation with increased susceptibility to infections and autoimmune-like symptoms.

Chronic Lyme disease involves persistent immune activation and neuroinflammation that continues even after the infection is treated. Stem cell therapy targets this ongoing inflammatory process to break the cycle of symptoms.

CHAPTER 2

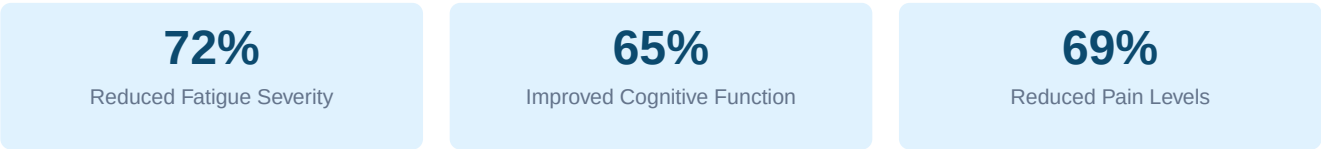
How Stem Cell Therapy Helps

Immune Reset and Repair

MSC therapy addresses chronic Lyme through comprehensive immune modulation — calming the overactive inflammatory response while supporting the body's natural ability to clear remaining infection. MSCs reduce neuroinflammation, repair nerve damage, improve mitochondrial function (addressing fatigue), and rebalance the dysregulated immune system.

Patients with chronic Lyme treated with MSC therapy reported significant improvements in fatigue severity, cognitive function, and pain levels at 3 and 6 month follow-up in clinical observations.

Reported Benefits



Treatment at StemCell Longevity

Our Lyme Protocol

We combine high-dose IV stem cell infusion with intrathecal delivery for patients with significant neurological involvement. Treatment also includes exosome therapy and immune support supplementation. Our protocol addresses both the immune dysregulation and the tissue damage characteristic of chronic Lyme.

Treatment at Liv Hospital Ulus

- Day 1 — Comprehensive evaluation including immune panels, inflammatory markers, neurological assessment, and review of previous Lyme testing.
- Day 2-3 — Stem cell IV infusions and intrathecal delivery (if indicated) with monitoring.
- Day 4 — Final assessment, immune support plan, and discharge with follow-up schedule.

CHAPTER 4

Results & Recovery

Expected Improvements

Many patients report initial improvements in energy and cognitive clarity within 2 to 6 weeks. Pain reduction develops over 4 to 8 weeks. Maximum benefits typically occur at 3 to 6 months post-treatment as immune rebalancing takes full effect.



Getting Started

Next Steps

If you suffer from chronic Lyme disease and conventional treatments have not provided adequate relief, contact us with your medical records and Lyme testing history for a free evaluation.

Frequently Asked Questions

Can stem cells kill the Lyme bacteria?

Stem cell therapy does not directly kill bacteria. Instead, it modulates the immune system's response to the infection and repairs damage caused by chronic inflammation. It is complementary to antimicrobial treatment, not a replacement.

Should I continue antibiotics during stem cell treatment?

This depends on your specific situation. Our medical team will coordinate with your Lyme-treating physician to determine the best approach, which may include continuing, adjusting, or timing antibiotics around stem cell therapy.

How many treatments do chronic Lyme patients typically need?

Most patients start with one treatment course. Given the chronic nature of Lyme disease, booster treatments every 6 to 12 months are commonly recommended to maintain improvements.

Is there any risk of Lyme flare after treatment?

Some patients experience a temporary increase in symptoms (similar to a Herxheimer reaction) in the first 1 to 2 weeks as the immune system is modulated. This typically resolves within days and is followed by progressive improvement.

Medical Disclaimer

The information contained in this guide is provided for educational purposes only and is not intended as medical advice, diagnosis, or treatment. Stem cell therapy outcomes vary by individual, and no specific results are guaranteed. The content herein reflects current scientific understanding and clinical experience as of the publication date but is subject to change as new research emerges. Always consult with a qualified healthcare professional before making any medical decisions. StemCell Longevita and its affiliated practitioners are not responsible for any actions taken based on the information in this guide. All medical treatments carry inherent risks, and patients should discuss potential benefits, risks, and alternatives with their treating physician.

Ready to Begin Your Healing Journey?

Our team of regenerative medicine specialists is ready to evaluate your case and create a personalized treatment plan.

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