

STEMCELL LONGEVITA

Stem Cell Therapy for COPD: A Patient's Guide

Regenerative Treatment for Chronic Obstructive Pulmonary Disease



Your Journey to Regenerative Health Starts Here

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Understanding COPD

What Is COPD?

Chronic Obstructive Pulmonary Disease (COPD) is a progressive inflammatory lung disease that causes obstructed airflow from the lungs. It includes emphysema (destruction of air sacs) and chronic bronchitis (inflammation of bronchial tubes). COPD affects over 380 million people worldwide and is the third leading cause of death globally. The disease causes progressive breathing difficulty that significantly impacts quality of life.

Symptoms and Impact

- Progressive shortness of breath, initially with exertion, eventually at rest as the disease advances.
- Chronic cough with mucus production, particularly in the morning.
- Frequent respiratory infections and exacerbations requiring hospitalization.
- Fatigue, reduced exercise capacity, and weight loss in advanced stages.

COPD is currently considered irreversible with conventional treatment. Stem cell therapy represents a promising new frontier that may help regenerate damaged lung tissue and slow disease progression.

CHAPTER 2

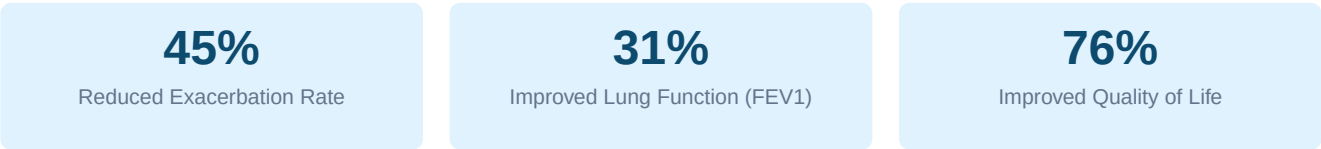
How Stem Cell Therapy Helps

Lung Regeneration Mechanisms

MSCs administered intravenously home to the lungs where they exert powerful anti-inflammatory effects, reduce fibrosis (scarring) of lung tissue, promote alveolar regeneration, and improve the lung's gas exchange capacity. The lungs are uniquely positioned to benefit from IV stem cell therapy because they are the first capillary bed that IV-administered cells encounter, allowing high cell concentration in the target organ.

Phase II clinical trials have demonstrated that MSC therapy in COPD patients reduces C-reactive protein (a key inflammatory marker) by up to 50% and improves 6-minute walk test distances, indicating meaningful functional improvement.

Expected Benefits



Treatment at StemCell Longevita

Our COPD Protocol

We use a multi-session IV infusion protocol specifically designed for lung regeneration. High doses of umbilical cord-derived MSCs are administered over 3 to 4 days to maximize pulmonary delivery. Treatment is combined with nebulized exosome therapy to deliver regenerative factors directly to the airways.

Treatment Process at Liv Hospital Ulus

- Day 1 — Comprehensive pulmonary evaluation including spirometry, blood gases, chest imaging, and exercise capacity testing.
- Day 2-4 — Sequential IV stem cell infusions with respiratory monitoring, combined with nebulized exosome therapy.
- Day 5 — Final assessment, discharge planning, and long-term respiratory management guidance.

Improvement Timeline

Patients often notice improved breathing and reduced cough within 4 to 8 weeks. Exercise capacity improvements develop over 2 to 4 months. Reduction in exacerbation frequency becomes apparent over 6 to 12 months. Pulmonary function test improvements may be measurable at 3 to 6 months.

4-8

Weeks to Breathing Improvement

68%

Reduced Shortness of Breath

12-18

Months Average Benefit

Is Stem Cell Therapy Right for Your COPD?

Candidates include patients with COPD stages 2 to 4, who are currently non-smokers (or committed to cessation), and who are on optimized medical therapy. Contact us with your pulmonary function tests and recent imaging for a free evaluation.

Frequently Asked Questions

Can stem cell therapy reverse COPD?

While stem cell therapy cannot fully reverse established COPD, it can slow disease progression, reduce exacerbation frequency, and improve breathing capacity and quality of life. Some patients show measurable improvements in pulmonary function tests.

Do I need to stop smoking before treatment?

Yes, smoking cessation is required before stem cell therapy. Active smoking causes ongoing lung damage that counteracts the regenerative effects of treatment. We require at least 3 months of smoking cessation before treatment.

Can I continue my inhalers and medications?

Yes, you should continue all prescribed COPD medications. Stem cell therapy is complementary to standard pulmonary care.

How many treatment sessions are recommended for COPD?

Most patients receive one initial treatment course of 3 to 4 IV infusions. A booster course at 6 to 12 months may be recommended based on your response.

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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