

STEMCELL LONGEVITA

Stem Cell Therapy for Hair Restoration: A Patient's Guide

Stimulating Natural Hair Growth Through Regenerative Science



Your Journey to Regenerative Health Starts Here

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Understanding Hair Loss

Why Hair Loss Occurs

Hair loss (alopecia) affects both men and women and has multiple causes including genetics, hormonal changes, autoimmune conditions, and aging. Androgenetic alopecia (pattern baldness) is the most common type, caused by the hormone DHT gradually miniaturizing hair follicles. Over time, follicles produce thinner, shorter hairs until they stop producing visible hair altogether.

Types of Hair Loss

- Androgenetic Alopecia — Genetic pattern baldness affecting the hairline and crown in men, and diffuse thinning in women.
- Alopecia Areata — Autoimmune condition causing patchy hair loss on the scalp and body.
- Telogen Effluvium — Temporary diffuse hair shedding triggered by stress, illness, or hormonal changes.
- Scarring Alopecia — Inflammatory conditions that destroy hair follicles and replace them with scar tissue.

Hair follicle stem cells persist even in miniaturized follicles. Stem cell therapy reactivates these dormant follicular stem cells, promoting the regrowth of thicker, healthier hair from existing follicles.

CHAPTER 2

How Stem Cell Therapy Helps

Follicular Regeneration

MSCs injected into the scalp release growth factors including VEGF, PDGF, and IGF-1 that stimulate hair follicle stem cells, promote angiogenesis (new blood vessel formation) to improve scalp blood supply, reduce inflammation around hair follicles, and extend the growth phase (anagen) of the hair cycle. This results in thicker, stronger hair growth from existing follicles.

A controlled clinical study showed that MSC-derived growth factor injection increased hair density by an average of 29% and hair thickness by 21% at 6-month follow-up.

Results Data



Treatment at StemCell Longevita

Our Hair Restoration Protocol

We combine scalp MSC injections with exosome therapy and PRP to create a comprehensive hair restoration approach. Multiple micro-injections are administered across the scalp using a fine-needle technique with topical anesthesia. The treatment is virtually painless and requires no downtime.

Treatment Process

- Day 1 — Scalp assessment, hair density mapping, and treatment planning at Liv Hospital Ulus.
- Day 2 — Scalp stem cell and exosome injection treatment under topical anesthesia.
- Day 3 — Optional second session for extensive hair loss, follow-up care instructions.

Hair Growth Timeline

Initial shedding of weak hairs may occur in the first 2 to 4 weeks — this is normal and expected as follicles reset. New hair growth becomes visible at 2 to 3 months. Significant improvements in density and thickness are typically apparent at 4 to 6 months, with continued improvement up to 12 months.

2-3

Months to Visible New Growth

6

Months to Significant Results

84%

Measurable Hair Improvement

Getting Started

Is This Right for You?

Stem cell therapy works best for patients with thinning hair where follicles are still present (even if dormant). It is less effective for completely bald areas where follicles have been permanently destroyed. Contact us with photos of your hair loss for a free assessment and personalized treatment plan.

Frequently Asked Questions

How soon will I see new hair growth?

Most patients notice new hair growth starting at 2 to 3 months, with significant improvement at 4 to 6 months. Full results are typically achieved at 9 to 12 months after treatment.

Is stem cell therapy better than a hair transplant?

They serve different purposes and can complement each other. Stem cell therapy strengthens and regrows existing thinning hair, while transplants relocate hair follicles to bald areas. Stem cell therapy can improve transplant results when used together.

Will the results be permanent?

Results can last 1 to 2 years. Since the underlying genetic predisposition remains, maintenance treatments every 12 to 18 months are recommended to sustain and enhance results.

Can women undergo this treatment?

Absolutely. Female pattern hair loss and other types of alopecia in women respond well to stem cell therapy. Our protocol is effective for both male and female hair loss.

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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