

Regenerative Products

Advanced Formulation

Mesenchymal Stem Cell and
Plant-Derived Products





GainMed

At GainMed, we believe the future of skincare lies at the intersection of biotechnology and nature.

By combining advanced exosome technologies with carefully selected bioactive ingredients, we are creating professional regenerative skincare solutions designed to support healthier, stronger, and more resilient skin through science-driven innovation.

Our Science-Driven Formulations

ExoCura

Botanical Exosome Solutions

ExoCell

Human UMSC¹-Derived Exosomes

WJ-MSCs²

Wharton's Jelly-Derived Stem Cells

Apexium Serum & Cream

Plant Exosome Skincare

1. UMSC: Umbilical Mesenchymal Stem Cells

2. WJ-MSCs: Wharton's Jelly-Derived Mesenchymal Stem Cells

The Science Behind Exosomes

Tiny biological messengers redefining the future of regenerative skincare.

Exosomes are naturally occurring extracellular vesicles released by cells to transport proteins, lipids, peptides, and genetic material. Acting as biological messengers, they enable cell-to-cell communication and help regulate tissue repair, regeneration, and skin homeostasis.

In regenerative skincare, exosomes deliver bioactive signals that support collagen production, strengthen the skin barrier, reduce oxidative stress, and promote healthier, more resilient skin.

Cell Communication

Natural biological messengers that coordinate cellular activity.

Bioactive Delivery

Transport proteins, peptides, lipids, and genetic material to skin cells.

Skin Regeneration

Support collagen synthesis, repair, and visible skin renewal.

Plant-Derived Exosomes

Plant-derived exosomes are naturally occurring extracellular vesicles isolated from carefully selected botanical sources.

Rich in antioxidants, proteins, lipids, and bioactive molecules, they support cellular communication and help protect the skin from environmental stress while promoting natural regeneration.

Their exceptional biocompatibility and sustainable origin make them an innovative solution for improving skin vitality, strengthening the skin barrier, and enhancing overall skin health.

Natural Origin

Derived from carefully selected botanical sources.

Cellular Regeneration

Encourages healthier, revitalized skin.

Antioxidant Protection

Helps defend against oxidative stress.

Supports Skin Barrier

Promotes hydration and resilience.





Human UMSC derived Exosomes

Lyophilized human umbilical cord mesenchymal stem cell-derived exosomes developed for regenerative research, advanced aesthetic applications, and professional evaluation.

ExoCell is a premium UMSC-derived exosome product designed to support cellular communication through naturally occurring extracellular vesicles and bioactive signaling molecules. Produced under rigorous quality standards, it is supplied with comprehensive characterization and technical documentation for professional and research use.

Human UMSC Source

Derived from human umbilical cord mesenchymal stem cells.

Lyophilized Format

Optimized for stability and convenient handling.

Scientifically Documented

Characterization data, white paper, and technical documentation available.

Professional Use

Designed for research, regenerative medicine, and professional evaluation.

Wharton's Jelly-Derived Mesenchymal Stem Cells

WJ-MSCs are cryopreserved mesenchymal stem cells isolated from the Wharton's Jelly of human umbilical cords. Characterized by high proliferative capacity, low immunogenicity, and strong paracrine activity, they provide a reliable platform for regenerative research and professional applications. Manufactured under strict quality standards, each batch is supplied with comprehensive quality documentation, donor traceability, and technical characterization.

Cryopreserved Format

Cryopreserved at -196°C to preserve cell integrity and stability during storage and transportation.

GMP-Grade Quality

Manufactured under a GMP-grade quality system with lot-specific Certificate of Analysis (COA).

Professional Documentation

Comprehensive documentation including donor records, certificate of origin, immunophenotype, viability data, and storage guidance.

Human Wharton's Jelly Source

Derived from human umbilical cord Wharton's Jelly with documented donor screening and traceability.



Apexium Cream & Serum

Powered by plant-derived exosome technology, Apexium **combines** a lightweight serum and a restorative cream to deliver comprehensive daily skincare. Developed with advanced botanical actives and cosmetic peptides, the collection helps hydrate, strengthen, and visibly improve overall skin quality while supporting the skin's natural renewal process.

Key Technologies

Plant-Derived Exosomes

Core regenerative technology

Bioactive Peptides

Advanced peptide complex

Benefits

Deep Hydration

Long-lasting moisture support

Skin Renewal

Promotes healthier-looking skin

Snow Mushroom
(Tremella fuciformis)



Designed for Lasting Skin Renewal

Apexium Cream is designed to support skin **beyond surface hydration**. Its regenerative formulation combines plant-derived exosome technology, the EX3-MP multi-peptide complex, collagen, bioactive peptides, and moisturizing factors to help reinforce the skin barrier while supporting renewal, elasticity, and resilience

RESTORE

Maintain hydration, firmness
& resilience

RENEW

Support natural cellular renewal

REINFORCE

Strengthen the skin barrier



The regenerative approach

By combining bioactive signaling with peptides and sustained moisturization, Apexium Cream is formulated to support both skin renewal and barrier function for healthier-looking, more resilient skin.



Apexium Cream

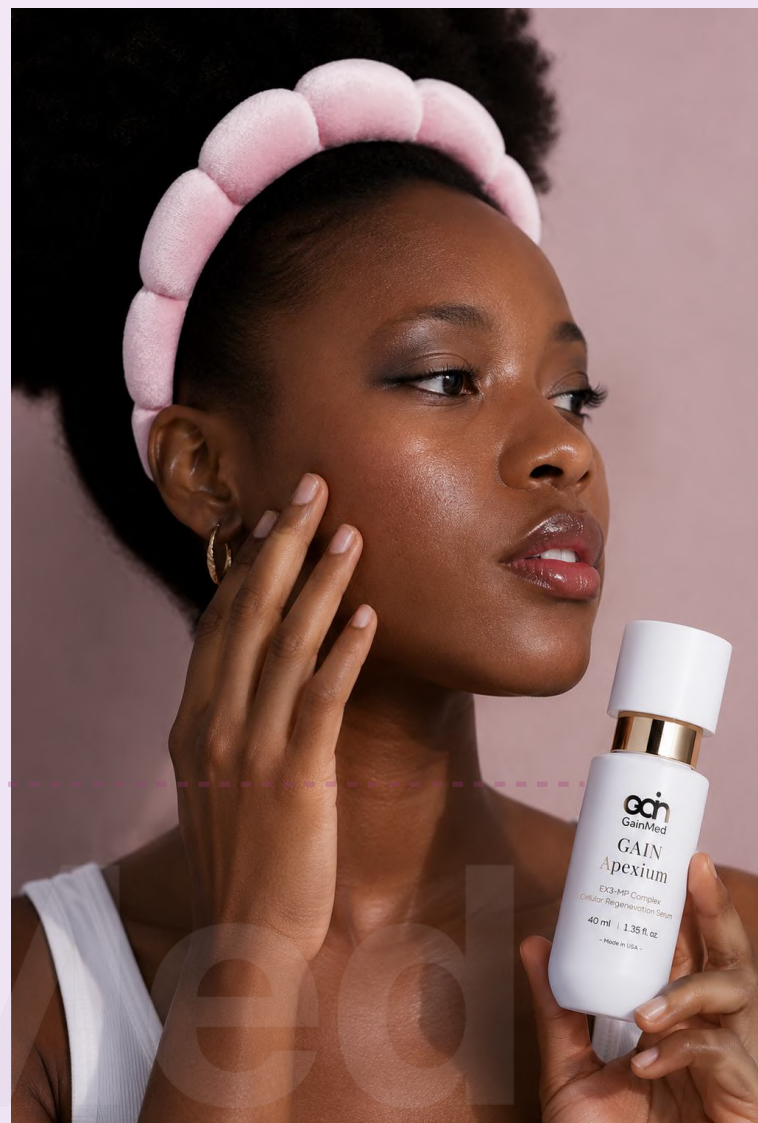
Rich moisturizing cream formulated to reinforce the skin barrier, improve elasticity, and lock in long-lasting hydration.

- Barrier Support
- Lasting Moisture
- Firmness & Elasticity
- Daily Protection

Apexium Serum

Lightweight daily serum designed to deeply hydrate, enhance radiance, and prepare the skin for optimal regeneration.

- Fast Absorption
- Lightweight Texture
- Daily Hydration
- Improves Skin Glow



Clinical Evidence of Regenerative Success

The following clinical case studies demonstrate the outcomes achieved through GainMed's regenerative therapies. Significant improvements were observed in skin rejuvenation, including wrinkle reduction, as well as in hair restoration among patients with androgenetic alopecia.

All patient images are presented with identifying details redacted to ensure privacy and confidentiality. Results may vary depending on individual patient characteristics and underlying conditions.



Clinical Case Studies: Human-Derived Exosomes in Skin Regeneration

- Demonstrated improvements in skin texture, rejuvenation, and scar healing.



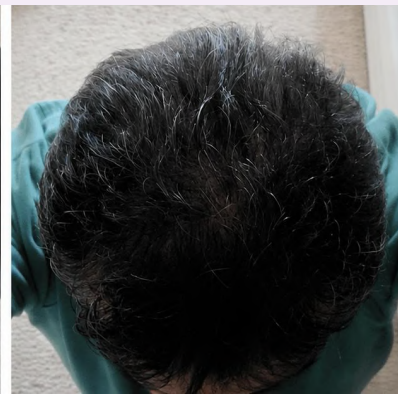
Before •-----• **After**

Before •-----• **After**

Clinical Case Studies:

Human-Derived Exosomes in Hair Revitalization

- Clinical observations revealed noticeable enhancement in skin tone, texture and clarity, with reduced redness and discoloration following treatment with advanced human-derived exosome therapy.



Before



After

~80% Improvement
after 4 injections
(6 treatment sessions)

Clinical Case Studies:

Human-Derived Exosomes in Hair Revitalization

- Clinical observations revealed noticeable enhancement in skin tone, texture and clarity, with reduced redness and discoloration following treatment with advanced human-derived exosome therapy.



Before • ----- • After

~70% improvement in hair density
after 12 injections
(11 treatment sessions)

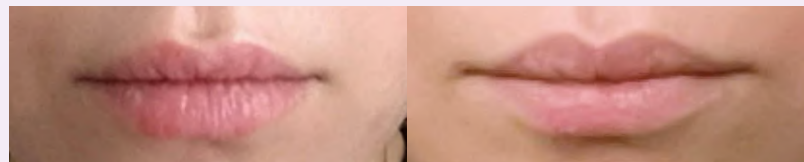
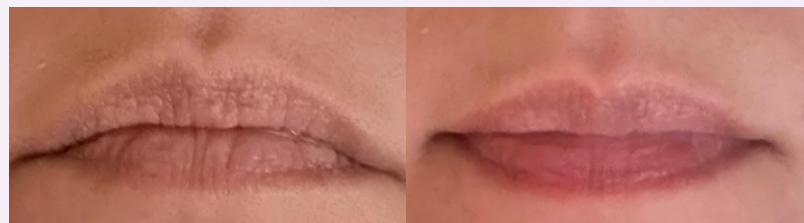
Clinical Case Studies:

Human-Derived Exosomes in Skin Restoration

- Clinical observations show visible improvement in skin appearance, including reduced discoloration and redness, with enhanced texture and overall skin quality following treatment with human-derived exosomes.



Before •-----• **After**

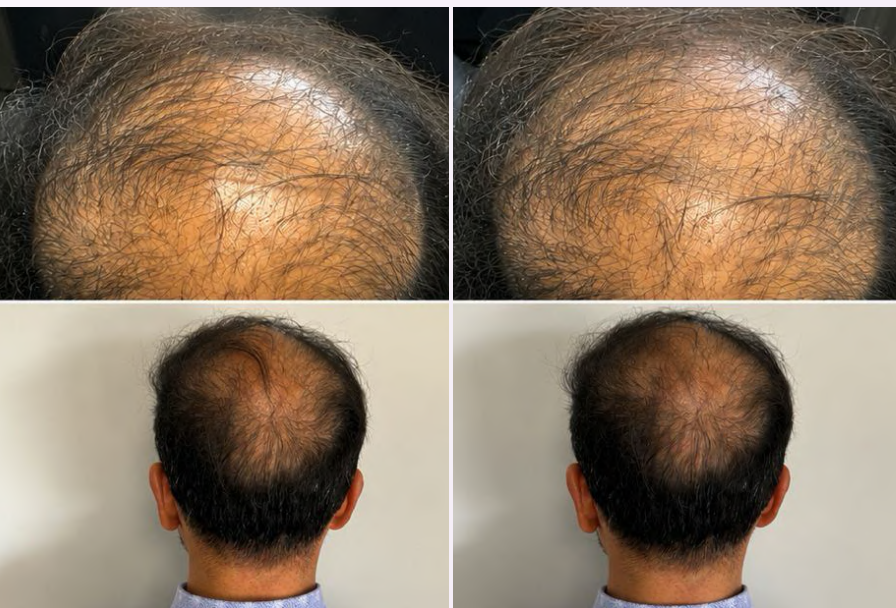


Before •-----• **After**

Clinical Case Studies:

Plant-Derived Exosomes in Hair Revitalization

- Clinical observations indicate noticeable improvement in scar appearance and skin texture, with visible hair growth and enhanced hair density following treatment



Before •-----• After

15% Improvement
after 2 injections
(2 treatment sessions)



Before •-----• After

Clinical Case Studies:

Plant-Derived Exosomes in Skin Regeneration

- Clinical studies demonstrate significant refinement in skin texture, reduction in discoloration, and visibly improved skin quality achieved through Apexium Cream application.



Before •-----• After

Certificate of Analysis

- Each batch of GainMed exosomes undergoes analytical testing to verify product identity, particle characteristics, purity, and quality before use.



Certificate of Analysis (CoA)

Product Information

Product Name	Plant-Derived Exosomes (Liquid Formulation)
Batch/Lot Number	ExoCura-PE2601
Production Date	20 Jan 2025
Expiry Date	20 Jan 2026
Quantity	2.5 × 10 ⁹ particles/mL (2.5 billion exosomes per cc)
Appearance	Clear to slightly opalescent liquid. Free of visible particulates.

Analytical Results

Test	Specification	Result
Nanoparticle Tracking Analysis (NTA)	Mode size: 50–200 nm	Pass
Transmission Electron Microscopy (TEM)	Cup-shaped vesicles visible	Pass
Particle Size (Z-Average)	50–200 nm	Pass
Polydispersity Index (PDI)	< 0.3 (monodisperse population)	Pass
Western Blot (HSP70, HSP90)	Positive for exosomal markers	Pass
Protein Concentration (BCA assay)	0.5–5 mg/mL	Pass
Endotoxin (LAL assay)	< 0.5 EU/mL	Pass
Sterility Test	No bacterial or fungal growth	Pass
Mycoplasma Test	Negative	Pass
pH (after reconstitution)	6.5–7.5	Pass

Storage & Handling

Appearance: Clear to slightly opalescent liquid.

Store exosomes at -20°C or below. Avoid repeated freeze-thaw cycles.

Certification

This is to certify that the above product has been tested and meets the specifications outlined.

Authorized by: Ehsan Hashemi

Date: 2026022

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Let's Connect

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