

EXOCEAN

Skin & Scalp Revitalizing Kit



WHAT IS EXOSOME?

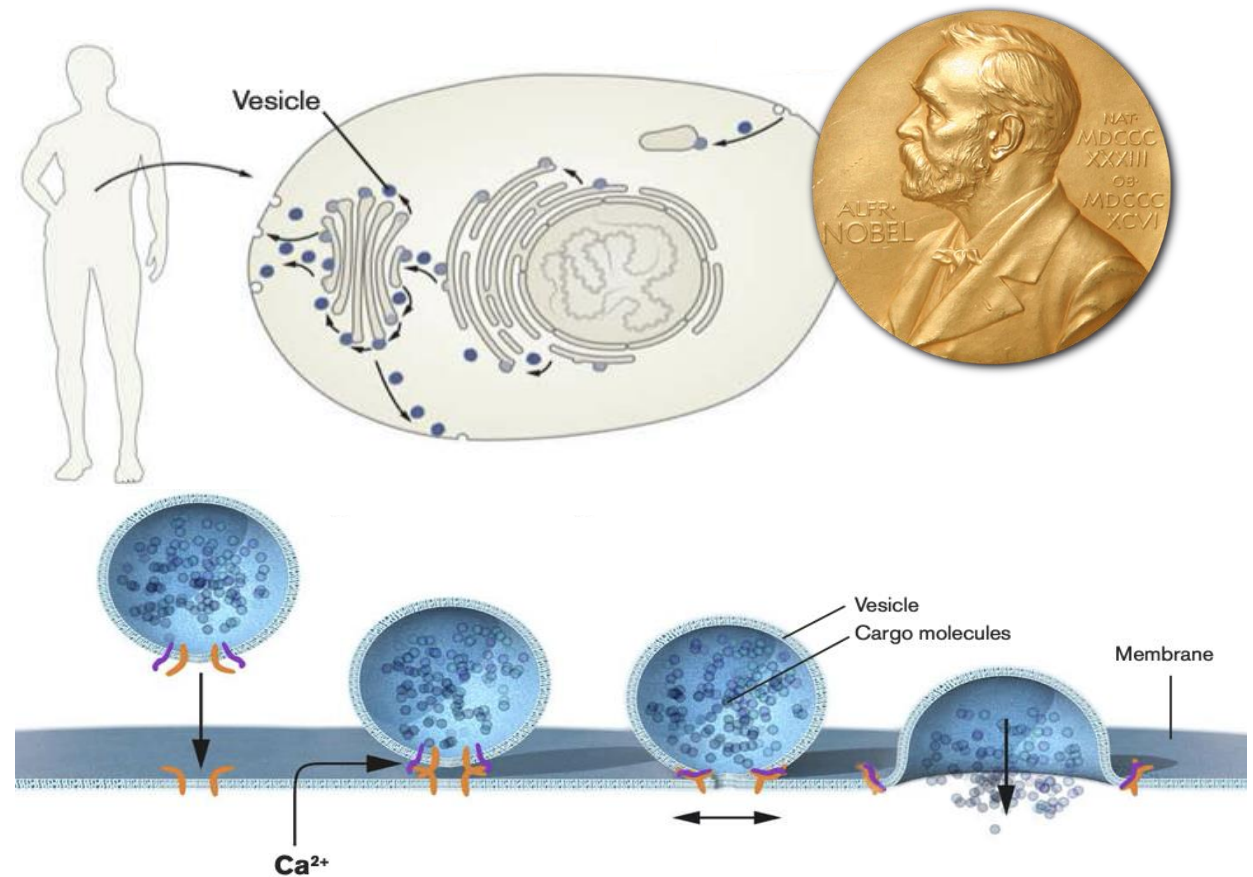
The Nobel Prize in Physiology or Medicine 2013

*“Exosomes are **extracellular vesicles** generated by all cells”*

Molecules produced in the cell were known to be packaged into **vesicles** (pictured in blue).

Protein complex (pictured in orange) enables vesicles to fuse with their target membranes.

Proteins on the vesicle bind to specific complementary proteins on the target membrane, ensuring that the vesicle fuses at the right location and that **cargo molecules are delivered to the correct destination.**



WHAT THE EXOSOMES CONTAIN?

A cell-to-cell transit system

Exosomes are mediators of near and long-distance intercellular communication in health and disease and affect various aspects of cell biology.

It contains the **core capabilities of stem cells and essential regenerative materials** to transmit signals between cells.

- Epidermal growth factor
- Vascular endothelial growth factor
- Fibroblast growth factor
- Anti-inflammatory cytokines

“the core capabilities of stem cells and essential regenerative materials to transmit signals between cells.”

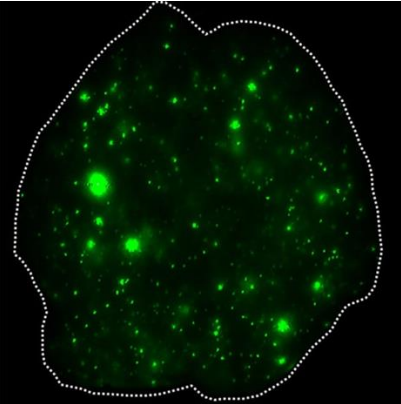


THE ROLE OF EXOSOME

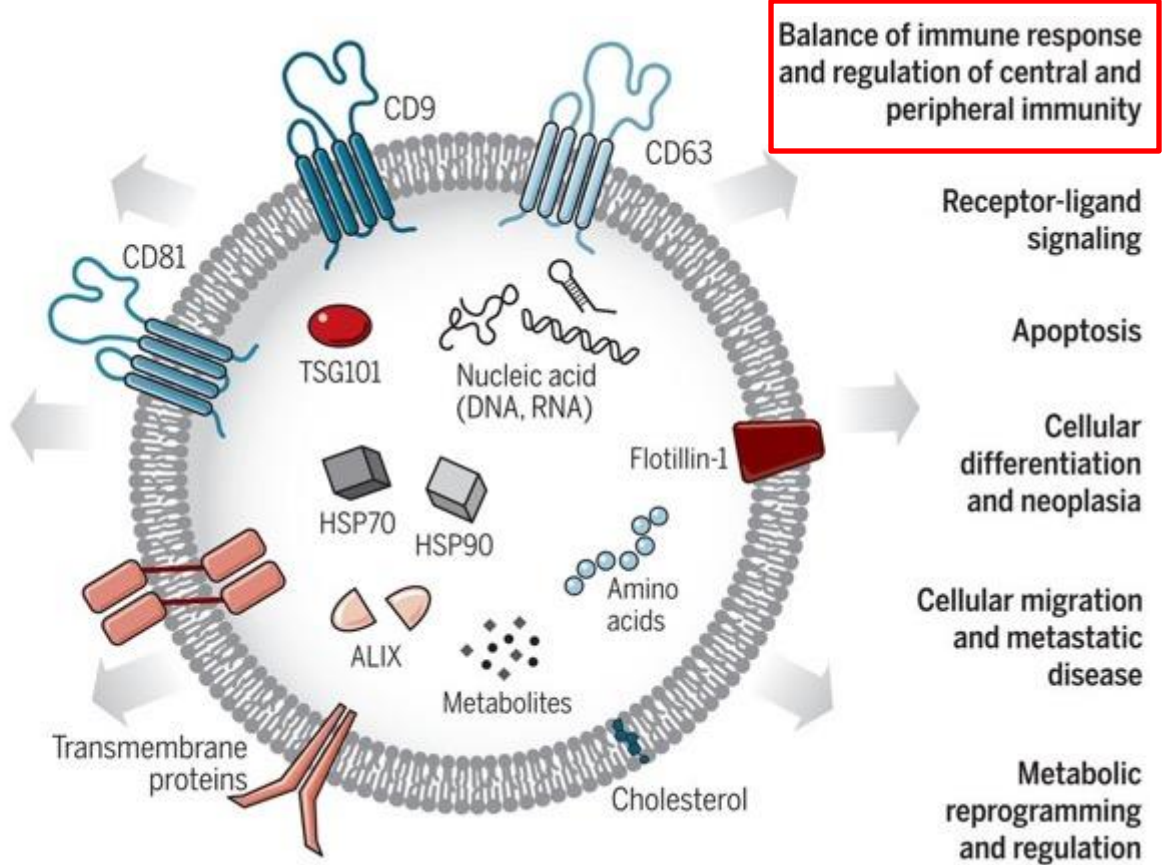
How does it contribute to skin improvement?

- ✓ Including substances beneficial for cell growth
- ✓ Cell stimulation
- ✓ Cell activation

Not only improvement of skin, Exosomes, in green, are being investigated for their potential for diagnosing, treating cancer.



- Regulation of gene transcription and translation
- Survival and proliferation**
- Reproduction and development
- Angiogenesis and wound healing**
- Waste management
- Host-microbiome interaction and viral immunity



Confidential

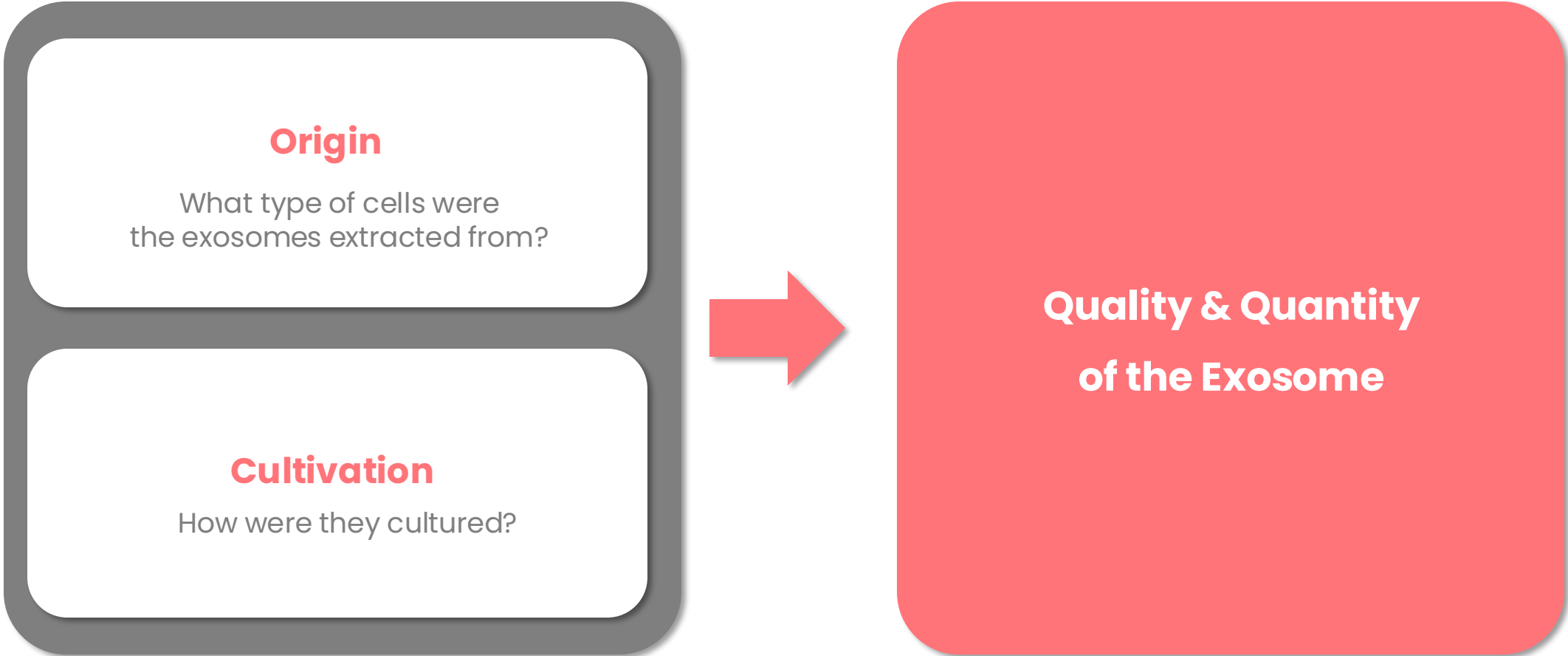
MEET THE NEW EXOSOME!



EXOCEAN

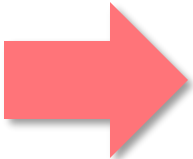
RENAISSANCE BIO

EXOSOME CHECK POINT



HOW ABOUT EXOCEAN?

The diagram consists of two stacked rounded rectangular boxes with a grey border. The top box contains a line-art icon of a hand holding a plant with two leaves. Below the icon, the text reads "Derived from the Plant" in red, with "Plant" highlighted in a red box, and "Vegan, Ethical" in grey below it. The bottom box contains a line-art icon of a globe. Below the icon, the text reads "3D Cultivation Technology" in red, with "3D" highlighted in a red box, and "Quality & Quantity Control" in grey below it.



A large rounded rectangular box with a red and white grid pattern. In the center, a red rectangular box contains the text "38 Billions" in white.

EXOCEAN

EXOCEAN is a **pure and rich mixture of Plant Exosome**, Botulinum Polypeptide, cytokines, miRNAs and Shikonin that target damaged skin and hair cellular structures topically, by providing the nutrients and resources necessary to facilitate the repair of cells.

Exosome Powder

[50mg]

- **Plant Evs(Exosomes)**
- Botulinum Polypeptide
- Shikonin
- Hyaluronic Acid



Active Solution

[5ml]

- Hyaluronic Acid
- Amino Acids
- Vitamins Peptides
- Glutathione

EFFICACY



Plant Stem Cells secrete countless exosomes, soluble proteins, miRNAs, and peptides. They provide incredible effects for skin.

Anti-Oxidant

- Contain diverse antioxidant proteins Increase cell survival against oxidative stress

Anti-Inflammatory

- Alleviate inflammation induced by external stimuli and microorganisms.

Wound Healing

- Increase the migration of dermal fibroblasts
- Activate keratinocytes to accelerate wound healing

Skin Regeneration

- Increase proliferation of HDF(Human Dermal Fibroblasts)s
- Increase collagen synthesis
Increase dermal thickness

Brightening

- Inhibit melanin synthesis
- Inhibit tyrosinase activity in B16 melanoma cells

3D CULTURE PLATFORM

Superior Quality, Excellent Quality Control

- ✓ High Stability & Uniformity (x4 of 2D)
- ✓ Larger-Scale Production (x90 of 2D)

Old Fashioned Production
2D

Nonuniform & Small

Uniform & Mass

3D

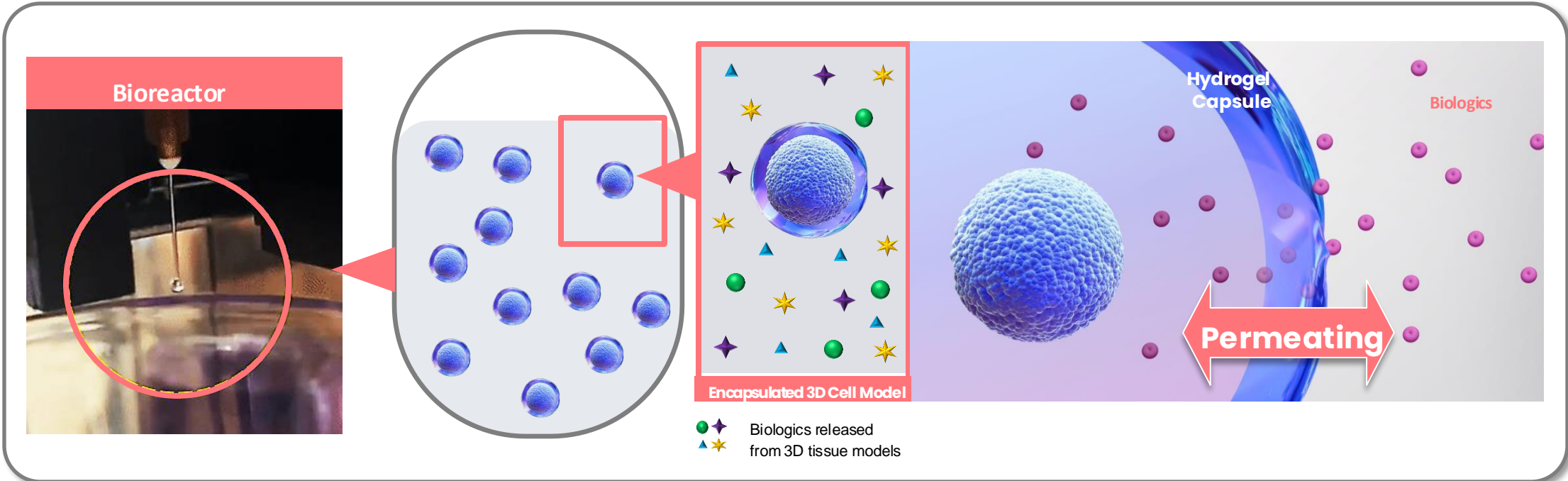
EXOCEAN

The diagram illustrates the transition from 2D to 3D cell culture. The 2D section, labeled 'Old Fashioned Production', shows a flat layer of cells with a yellow top layer and blue bottom layer, resulting in 'Nonuniform & Small' cells. The 3D section, labeled 'EXOCEAN', shows a spherical cell structure with blue dots around it, resulting in 'Uniform & Mass' cells. Two microscopic images on the right compare the cell morphology: the top image shows irregular, small, and non-uniform cells, while the bottom image shows uniform, spherical, and mass-produced cells.

3D CULTURE PLATFORM

Patented 3D Tissue Culture Platform

Patented 3D Tissue Culture Platform encapsulates tissue cells with bio-ink to create a human-like three-dimensional cell environment. Encapsulated 3D cell models are cultured at a uniform size without further aggregation in bioreactors, resulting in excellent quality and productivity of exosomes.




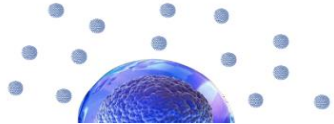

3D Tissue Culture Platform with Hydrogel Capsules

THE NUMBER OF PARTICLES

38 Billions

The optimal number found through clinical trials.

Vs Competitors

Product	EXOCEAN	Competitors
Origin	Plant Vegan, Ethical	Human adipose tissue, Human amniotic fluid, etc. 
Cultivation	3D Cell Culture-Based Production Technology 3D 	2D Cell culture (old fashioned production) 2D 
Number of particles	38 Billions	2.5~10 Billions
Other Ingredients	Botulinum Polypeptides	None or some vitamins, minerals
Registration Issue	Plant ingredient is <u>free</u> from the registration issue	In some countries, the use of ingredients sourced from humans is prohibited .

BEFORE & AFTER

Skin Rejuvenation, 2 Sessions



Before

After

BEFORE & AFTER

Skin Rejuvenation, 2 Sessions



BEFORE & AFTER

Pigment Improvement, 3 Sessions



Before



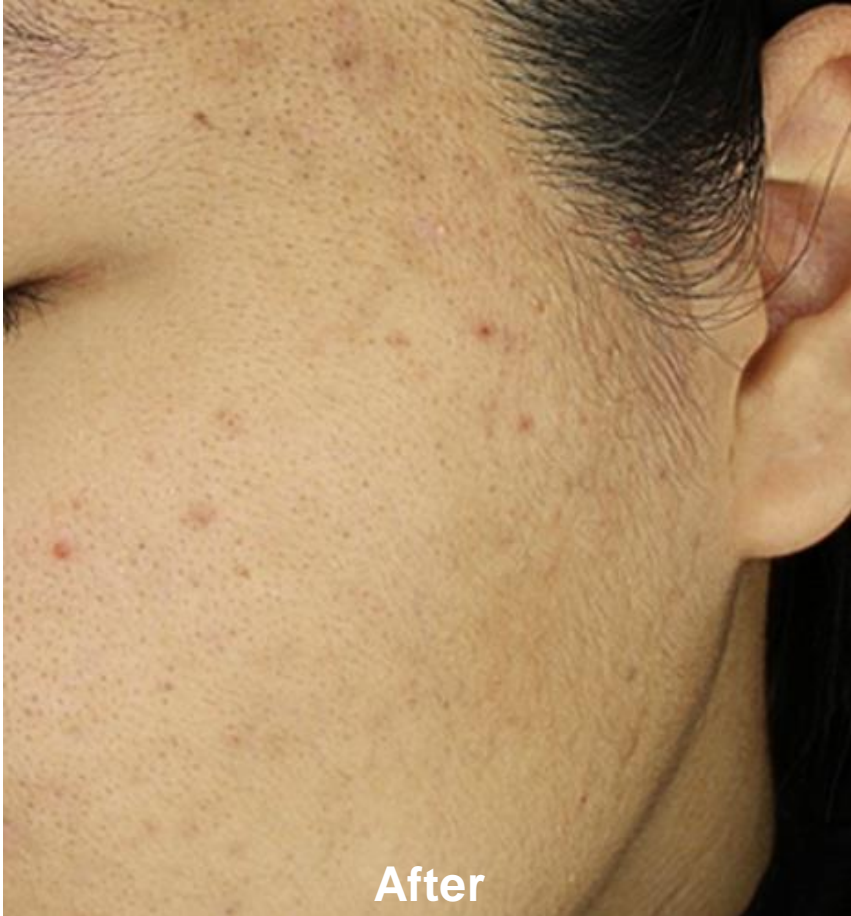
After

BEFORE & AFTER

Acne, 3 Sessions



Before



After

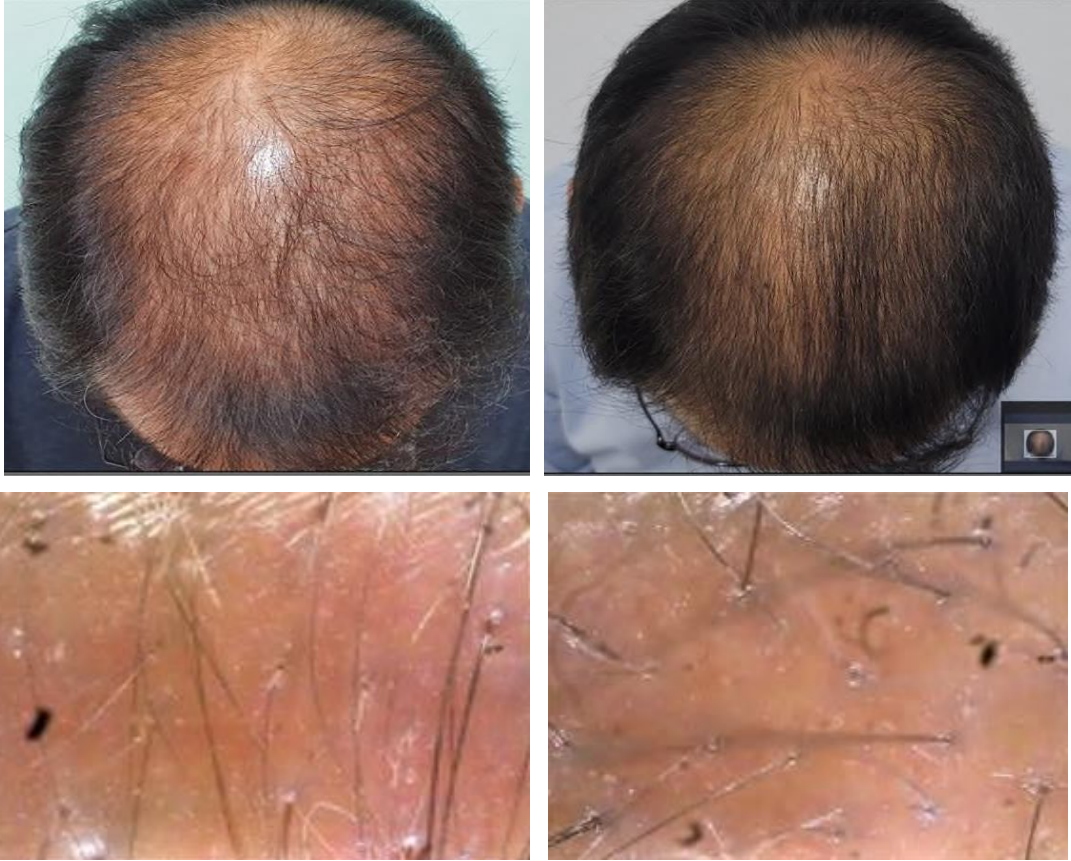
BEFORE & AFTER

Acne, 3 Sessions



BEFORE & AFTER

Hair loss Improvement, 6 Sessions

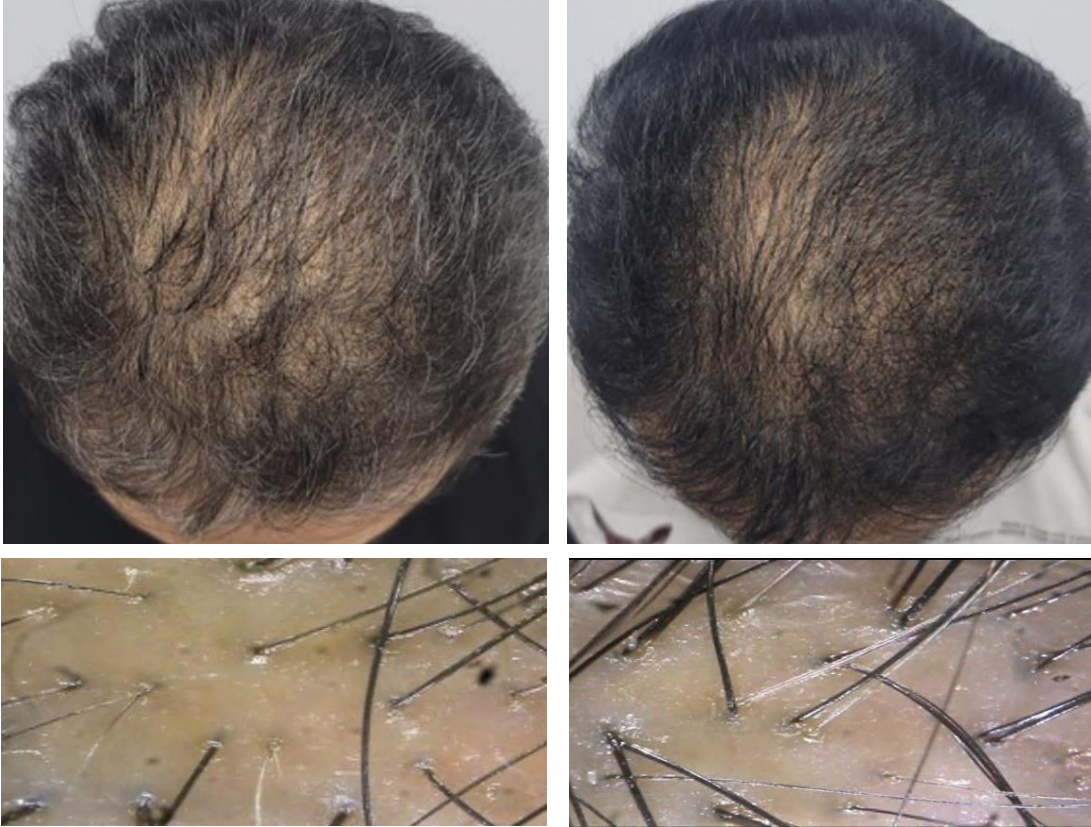


Before

After

BEFORE & AFTER

Hair loss Improvement, 6 Sessions



Before

After

BEFORE & AFTER

Hair loss Improvement, 6 Sessions



Before



After

BEFORE & AFTER

Hair loss Improvement, 6 Sessions



Before



After

PACKAGING

1 set = Lyophilized Exosome Powder **50mg** + Active Solution **5ml**

1 box = 5 set



**Exosome
Powder
[50mg]**

**Active
Solution
[5ml]**

RENAISSANCE BIO

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