

A man with a beard and a woman with long, wavy hair are shown from the chest up. The man is on the left, wearing a blue blazer over a striped shirt. The woman is on the right, wearing a dark top. They are both looking directly at the camera with neutral expressions. The background is a light blue with a faint molecular structure pattern.

*Regrow Your  
Crowning Glory*

## **HAIR FOLLICLE REGENERATOR (HFR) INTENSIVE HAIR TREATMENT**

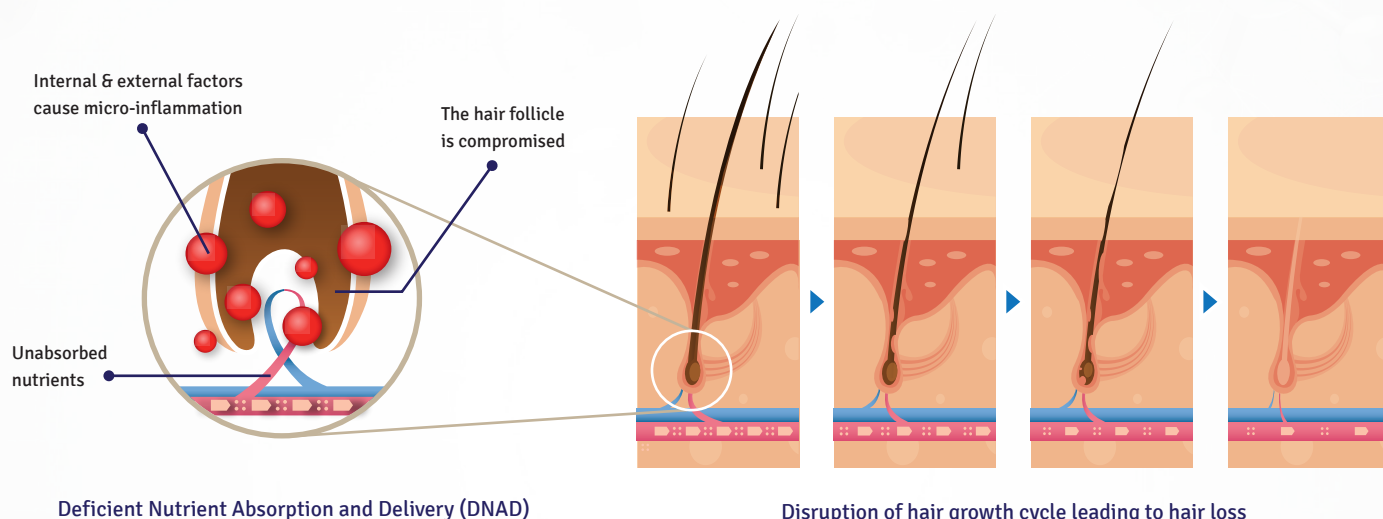
The latest application for MF PLUS leading-edge hair aesthetic solution. This new addition to the natural cell-based treatment using highly-refined polypeptides is specifically formulated for treating hair loss.

The HFR formulation is targeted to nourish and stimulate hair follicles leading to new hair growth. Effective for hair mesotherapy and topical application.



## HFR for Nutrition and Hair Loss

- Nutritional deficiency influences the health of the scalp and hair and may correlate with hair loss. Malnutrition, congenital heart disease, neuromuscular disease, chronic illnesses, malignancy, alcoholism, and advanced age can also cause our hair to change colour, be weakened, or suffer hair loss.
- Accumulation of oxidative stress from exposure to UV rays, pollution, stress or inflammatory causes can damage our hair follicle melanocytes. These are specialized pigment cells that give our hair its natural colour. Damaged hair follicles can lead to hair loss and greying of hair.
- Blood circulation influences how much oxygen and nutrients gets to our hair. To avoid hair loss caused by blood deficiency, one can consider treatments that promote the formation of new blood vessels (also known angiogenesis) to improve blood circulation.
- A solution exists in the form of naturally occurring peptides derived from animals or plant. These peptides stimulate the production of hormones that play vital roles in promoting angiogenesis, regenerating hair follicle tissues, nourishing the dermal papilla and improving blood flow.
- The administration of growth factors to facilitate hair growth has shown promising results in inducing growth of new hair. Improvements show as early as three weeks after the treatment for young patients, and four weeks for mid-aged patients. After 12 months, we can observe that the therapy also helps to darken premature grey hair into black hair.
- Growth factors activate the melanocyte stem cells, renew old white hairs with new-born black hairs, and promote hair growth through the proliferation of keratinocytes.
- To address these hair concerns, MF PLUS introduces the new **Hair Foli­cle Regenera­tor Intensive Hair Treatment**.



## Application of HFR using the MicroNed Stamper

The Hair Foli­cle Regenera­tor Extract can be applied using the EW Biomedical MicroNed Stamper and is suitable for personal treatment in the comfort of your own home.

The EW Biomedical MicroNed Stamper is available in:

Packaging info	Home use	Professional use
Needle quantity	20 hypoallergenic 24k gold-plated micro needles	20 hypoallergenic 24k gold-plated micro needles
Needle length (mm)	0.25mm	0.5mm or 0.75mm
Vial capacity (ml)	5ml	5ml



The MicroNed Stamper works in three ways:

- 1 Promotes the delivery of bioactive Hair Foli­cle Regenera­tor Extract into the hair follicles and thus increasing the product effectiveness in regenerating the health of hair follicles.
- 2 Improves the blood flow and nutrients to the hair follicles that are essential in supporting hair growth.
- 3 Helps to stimulate the production of stem cells that will contribute to higher production of progenitor cells in hair follicles.



The MicroNed Stamper works by making micro punctures in the scalp that instigate the inflammation-proliferation-maturation cycle and prompts the skin to stimulate collagen production. Collagen is present around the hair follicle bulb, and it thickens around the hair root during the Anagen phase to support the growth of new hair. Hair follicle loses a few layers of collagen when hair starts to shed.

The MicroNed Stamper is an applicator that allows you to target more specific areas of the scalp. It is also safer as there is less risk of damaging surrounding hair follicles by pulling the hairs out at the root.

The MicroNed Stamper should only be performed on very clean dry scalp and always sterilize the tool before use; failure to do so can lead to infection and other such issues. Do not share the device with other people to avoid the transfer of blood-borne disease.

# HFR Extract

An exclusive blend of Hair Growth Factors derived from stem cell that promote the development of hair follicles and generate hair growth.

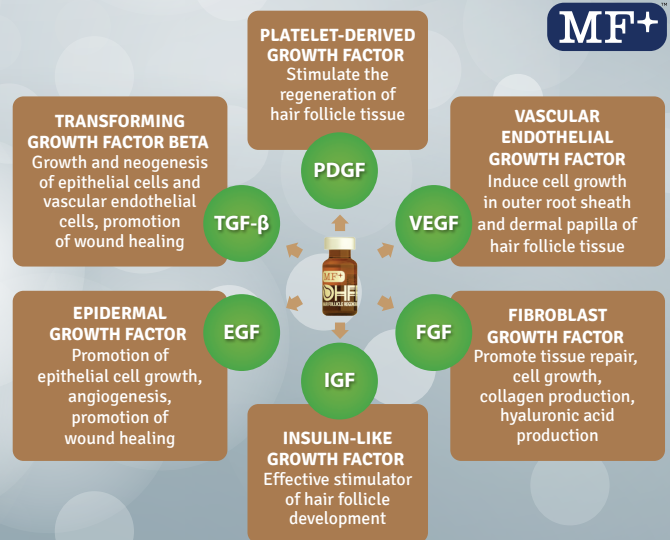
**Pure, no chemicals, no preservatives, non-pathological, 100% natural.**



Concentration: 360ug  
Molecular weight: 10kDa  
Packaging: 3ml x 10 vials

## Protocol:

- Intradermal for scalp.
- Microblading for eyebrow and eyelash.
- For home and professional treatment.
- Can be used with EWB MicroNed Stamper.



MF PLUS Hair Follicle Regenerator Extract growth factors and functions

## How it works

- Accelerate hair follicle growth.
- Provide stimulus promoting anagen (active growing phase in the hair growth cycle).
- Increase blood vessel formation and blood flow to the hair follicles.
- Replenish the amino acids, fatty acids and vitamins required for healthy eyebrow growth.
- Active complex designed to stimulate hair growth, reduce inflammation in the scalp, and halt the hair loss process.

# HFR Spray

A topical spray with proprietary blend of Hair Growth Peptides and amino acids that promote the development of hair follicles and generate hair growth.

**Pure, no chemicals, no preservatives, non-pathological, 100% natural.**



Packaging: 10ml x 3 bottles

MF3 HFR Spray is a lightweight and non-greasy serum spray containing a proprietary blend of hair growth peptides and nutrients. MF3 formulated the HFR Spray to combat hair loss caused by stress, unhealthy scalp and nutritional deficiency which disrupt the hair growth cycle and starve the follicles of their needs.

## How it works

### Hair Growth Peptides

- Stimulate regeneration of hair follicle tissue.
- Induce cell growth in outer root sheath and dermal papilla of hair follicle tissue.
- Promote tissue repair, cell growth, collagen production, hyaluronic acid production.
- Effective stimulator of hair follicle development.
- Promotion of epithelial cell growth, angiogenesis, promotion of wound healing.
- Growth and neogenesis of epithelial cells and vascular endothelial cells, promotion of wound healing.

### Amino Acids, Vitamins and Minerals

- Plays an important role in cell integrity and protects sensitive cells in the skin and hair follicles.
- Stimulating new hair growth.
- Nourish scalp and hair follicles with nutrients.
- Strengthen and condition the scalp.

## Protocol:

- Easy to use, non-invasive treatment for scalp.
- Suitable for home treatment.
- Spray onto the scalp after hair wash, massage gently for 1 to 3 minutes to enhance absorption.



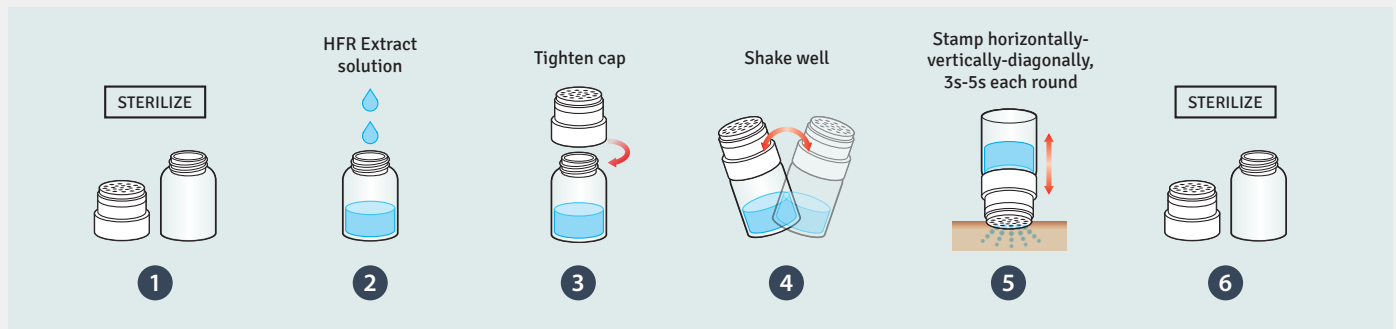
# HFR Intensive Hair Treatment

The MF PLUS Hair Follicle Regenerator Intensive Hair Treatment is the solution for hair thickness and volume restoration just for you! It is devised to be suitable for both home use and professional treatment, combining MF PLUS HFR Extract, MF3 HFR Spray, and EW Biomedical MicroNed Stamper.

The treatment consists of two protocols: **microstamping and topical spray**.

## Microstamping: Hair Follicle Regenerator Extract + Microned Stamper

Administering the MF PLUS Hair Follicle Regenerator Extract using the EW Biomedical MicroNed Stamper is the recommended option for home treatment. Microstamping is not a surgical procedure; it's a safe and promising tool in hair stimulation and can be self-applied without any particular training.



### Directions:

1. Sterilize the stamper and bottle with 75% alcohol before use.
2. Transfer the Hair Follicle Regenerator Extract into the MicroNed Stamper bottle.
3. Attached the stamper cap to bottle and tighten to ensure tight fit.
4. Shake well before use.
5. On a clean, dry hair/scalp, place the Microned Stamper at the areas to be treated (thinning hairline, bald patch, or the side of the temples). Apply the device horizontally across the treatment area, using vertical and diagonal stamping motions, for 3 to 5 seconds each round. Apply enough pressure for the needles to penetrate the scalp and feel a slight prickling or tingling, but not enough to cause pain.
6. After usage, make sure to clean the MicroNed Stamper with water followed by 75% alcohol to sterilize the device. Seal and store in a dry place.

Administration of the Hair Follicle Regenerator Extract with the MicroNed Stamper can be done once a week for the first month, then twice a week in the second month. Increase or decrease the frequency of the procedure according to individual scalp reaction.

### Potential Side Effects and Complications

As the procedure involves intentional wounding, there is always the risk of complications and adverse effects. The most common side effects include redness, tingling, irritation or bruising. Redness and inflammation are quite common and should subside after five days.

Note: Individuals who should not use the MicroNed Stamper without the supervision of a doctor:

- Women who are pregnant
- Men and women with hemophilia, or other conditions that inhibit wound healing
- Those on blood thinners or similar medications
- Anyone with a history of/ or fresh open wounds, or prone to acne or on the scalp or hairline.

## Topical spray: HFR Spray

HFR Spray is a lightweight and non-greasy serum spray containing a proprietary blend of hair growth peptides and nutrients. MF3 formulated the HFR Spray to combat hair loss caused by stress, unhealthy scalp and nutritional deficiency which disrupt the hair growth cycle and starve the follicles of their needs.

### Directions:

1. Wash hair and pat dry before using.
2. Massage gently for 1 to 3 minutes to enhance absorption.
3. Spray towards the scalp area targetted for treatment.



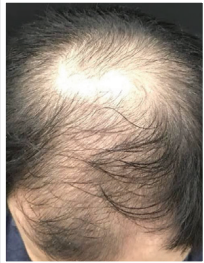


# Synergy effect of MF PLUS HFR Extract and MF3 HFR Spray for thicker and fuller hair with healthy hair follicle

Patients treated with MF+ PLUS HFR Extract (1 vial per session) and MF3 HFR Spray

## Testimony 1

Duration: 6 months.



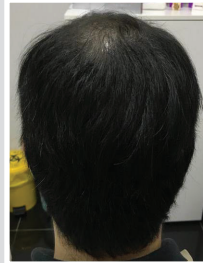
Before: Dec 2018



During: Mar 2019



During: Mar 2019



After 6 months: Jun 2019

## Testimony 2

Duration 9 sessions.



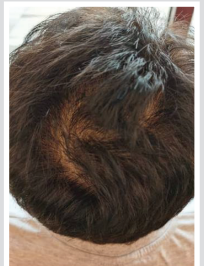
Before: 25/2/2020



After: 20/5/2020

## Testimony 3

Duration: 8 sessions.



Before: 7/3/2020



After: 7/5/2020

## Testimony 4

Duration: 2 sessions.



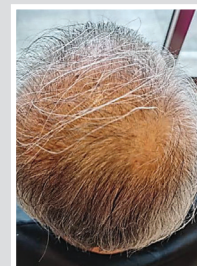
Before: 19/3/2020



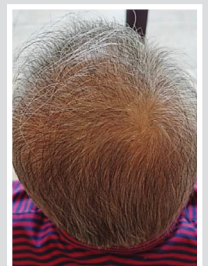
After: 16/4/2020

## Testimony 5

Duration: 18 sessions.



Before: 9/4/2020



After: 21/5/2020

## Testimony 6

Duration: 12 sessions.



Before: 30/4/2020



After: 23/8/2020

## Testimony 7

Duration: 2 sessions.



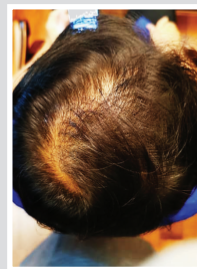
Before: 30/4/2020



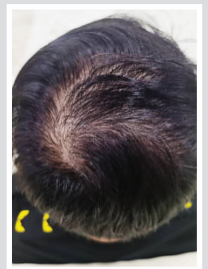
After: 23/8/2020

## Testimony 8

Duration: 4 sessions.



Before: 27/2/2020



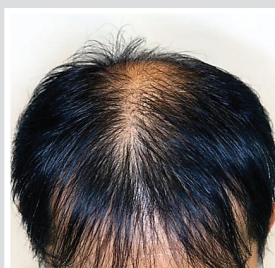
After: 21/8/2020

## Testimony 9

Duration: 8 sessions.



Before: 22/5/2020



After: 17/7/2020

## Testimony 10

Duration: 4 sessions.



Before: 25/6/2020

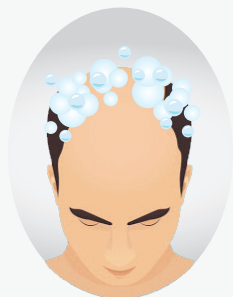


After: 17/7/2020



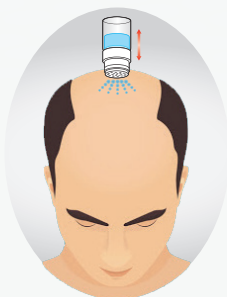
# Step by step: a general guideline for home treatment

STEP  
1



Before treatment, wash hair to make sure the scalp is clean.

STEP  
2



On dry hair and clean scalp, apply the HFR Extract using the MicroNed Stamper. Use every 5-7 days.

STEP  
3



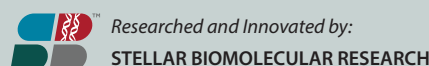
Spritz HFR Spray towards the scalp to optimise absorption. Can be used daily or after hair wash.

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