



Introducing  
the wonders of  
groundbreaking  
ultrafiltration  
technology by  
MF Plus



### Nano Organo Peptides

modern tissue rejuvenating therapy with powerful bioactive molecules, nutrients and peptides for the great health of your skin



### Mito Organelles

the groundbreaking innovation in organ specific peptide therapy - fusion of traditional cell therapy and mitochondrial medicine

## Understanding skin aging process

Aging of the skin is an inevitable part of the aging process. Age-related changes in the skin are the results of intrinsic factors, such as genetics, lifestyle, personal habits and a continuous environmental damage, predominantly due to ultraviolet radiation, which is responsible for skin's photo-aging, as well as toxins and heavy metals that are causing a damage to the skin. The facial aging is associated with facial skin volume loss, reduction of the elasticity, moistness and thickness, appearance of wrinkles and folds, pigmented spots, lentigos, and keratosis. Histological changes include thinning of epidermis, flattening of epidermal-dermal interface, reduction and disorganization of collagen and elastin, slowdown of cell turnover, reduction of melanocytes erratic melanocytic activity and the phenomenon of solar elastosis.

*(Fisher GJ, Kang S, Varani J, et al. Mechanisms of photoaging and chronological skin aging. Arch. Dermatol. 2002;138: 1462–70.*

*Peres PS, Terra VA, Guarnier FA, Cecchini R, Cecchini AL. Photoaging and chronological aging profile: Understanding oxidation of the skin. J Photochem Photobiol B. 2011;103(2):93–97.*

*Sjerobabski Masnec I, Poduje S. Photoaging. Coll. Antropol. 2008;32:177–80.*

*West MD. The cellular and molecular biology of skin aging. Arch Dermatol. 1994;130:87–95).*

## Synergistic effect for natural regeneration and biorevitalization of the skin.

Apart from the internal organic and systemic rejuvenation, facial revitalization is an essential part of holistic rejuvenation. The ultimate goal of facial revitalization and rejuvenation is restoration and maintenance of healthy and young-looking skin. The obtained effects include improvements of skin elasticity, firmness, hydration, and pigmentation and are achieved by injection into the superficial dermis of biocompatible and absorbable products. A number of clinical studies has proven that main goal of the mesotherapy products are promoting the fibroblast activation, stimulation of collagen and tropoelastin biosynthesis and increase of cell turnover.

*(Iorizzo M, De Padova MP, Tosti A. Biorejuvenation: theory and practice. Clin Dermatol. 2008; 26:177–181*

*Tosti A, De Padova MP. Atlas of Mesotherapy in Skin Rejuvenation. London: Informa Healthcare; 2007*

*Galadari H, Al Faresi F. Mesotherapy. Skinmed 2011;9:342–3)*





- Natural biological anti – aging system for skin at any age
- Approved treatment protocol
- No known side effects
- Additive free
- Sterile
- Low molecular weight for fast absorption and excellent tissue integration
- Stability and total control throughout the treatment

Considered highly for their natural restorative function, aesthetic range of Nano Organo Peptides and Mito Organelles currently comprise of few types of outstanding ingredients: skin, mesenchyme, placental peptides (or in addition with collagen and elastin).

**Mesenchyme (NOP and MO)** – stretch marks, sagging skin, distinct eye bags, fine wrinkles and deep wrinkles. Creates a lifting and filling effects.

**Placenta** – devitalized skin, treatment of atrophic, hypertrophic and keloid scars, hair loss. Revitalizing effect is due to increase of cell turn-over in the dermis via action of unique combination of growth factors.

**Skin (NOP and MO)** – dehydrated and dry skin texture: pigmentation, dark spots and melasma. Effectively removes pigmentations via modulation of melanocytic activity. Gives a youthful vibrant appearance to the skin.

**SPMC (Skin, Placenta, Mesenchyme, Collagen)** – prevention of skin aging, wrinkles and other signs of skin aging, sagging and loose skin, pale skin.



**SCE (Skin, Collagen, Elastin)** – devitalized and sagging skin, dull – looking skin; skin after the mechanical or chemical peel or laser resurfacing and recovery after these procedures.

**SPMCE (MO and NOP)** – a complete multifactorial biological natural rejuvenation of skin. Combines beneficial effects of all other Changes in skin collagen types I, III, and VII and newly synthesized collagen in the observed cohortproducts. A perfect product for the wholesome facial revitalization.

### How does a treatment work?

Aesthetic biomolecular treatment is a non-surgical, warranting minimal recovery time, ensuring prompt results and effective to cause one or more effects:

- normalization of skin color;
- decreasing production of melanin;
- increasing skin water content and hydration;
- normalization of cellular metabolism;
- improving adult stem cell proliferation;
- increasing collagen, elastin production;
- stimulation of angiogenesis;
- restoration of hair cycle and follicular development;
- prevention of apoptosis;
- increasing cell proliferation.

### Application

Mesotherapy: intradermal injections according to the protocol.

Topical: application with the dermaroller or topical application twice a day on cleansed face, neck and/or affected area (if applied after facial treatment or dermabrasion the efficacy is higher)

With the pioneering invention of modern Swiss ultrafiltration technology NOP products are now safe to be taken sublingually, applied topically, in form of injections or administered parenterally by physicians as an individualized organotherapy or as an aesthetic cosmetic application. Depending on the skin problem, the doctor will select the most suitable product among the NOP range to meet the patients's needs and expectations.

Are the injections painful?

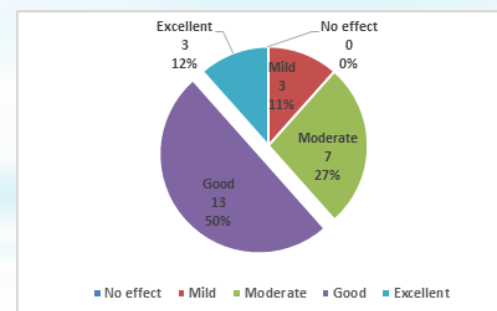
The injections are done with specific Nano needles and are basically pain free. In the case of patient's high sensitivity an anaesthetic cream is applied before the procedure.

## Benefits

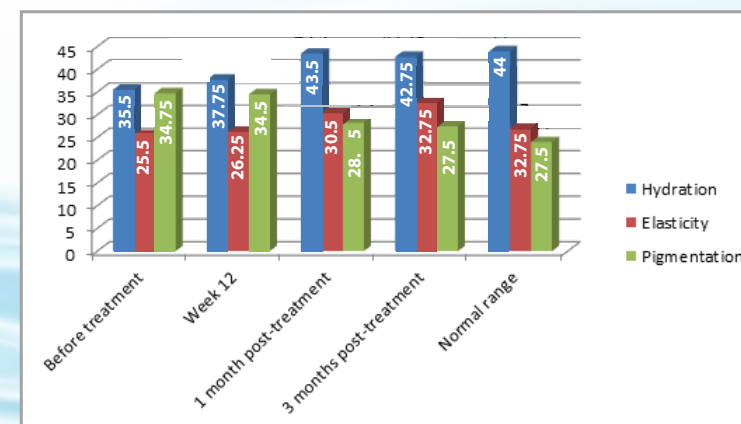
NOP's and MO's organ specific components effectively target problem areas due to its biological nature. Nourish, repair and regenerate matched molecules within the skin, and revitalize it.

Based on the multinational clinical trial evaluating the efficacy of SPMCE, the following observations were made: "Evaluators have observed improvements in skin radiance and skin brightness in all volunteers. The parameters reflecting the skin brightness has shown gradual improvement since third week of the study. The spectrophotometric analysis has shown significant reduction of skin redness and pigmentations. Most dramatic changes in terms of decreased wrinkle height and maximum wrinkle depth were observed in periorbital ("crow's feet") and perioral areas. Total wrinkle height was decreased by 27.4% by the end of the treatment protocol, 25.1% one month post-treatment and 21.5% - 3 months post-treatment. The maximum wrinkle depth was decrease by 20.9% by the end of the treatment at 12th week, by 17.8% - one month post-treatment, and 15.6% - 3 months post-treatment"

*(Application of Cell Extracts from Skin, Placenta, Mesenchyme with Collagen and Elastin in Aesthetic Dermatology and Skin Revitalization: Evaluation of Outcomes in Cohort Study. American Journal Adv Drug Deliv; 2016: 4(5); 69-77).*



*Evaluation of outcomes after mesotherapy with SPMCE based on the 5-point scale (3 months post-treatment (Application of Cell Extracts from Skin, Placenta, Mesenchyme with Collagen and Elastin in Aesthetic Dermatology and Skin Revitalization: Evaluation of Outcomes in Cohort Study. American Journal Adv Drug Deliv; 2016: 4(5); 69-77).*



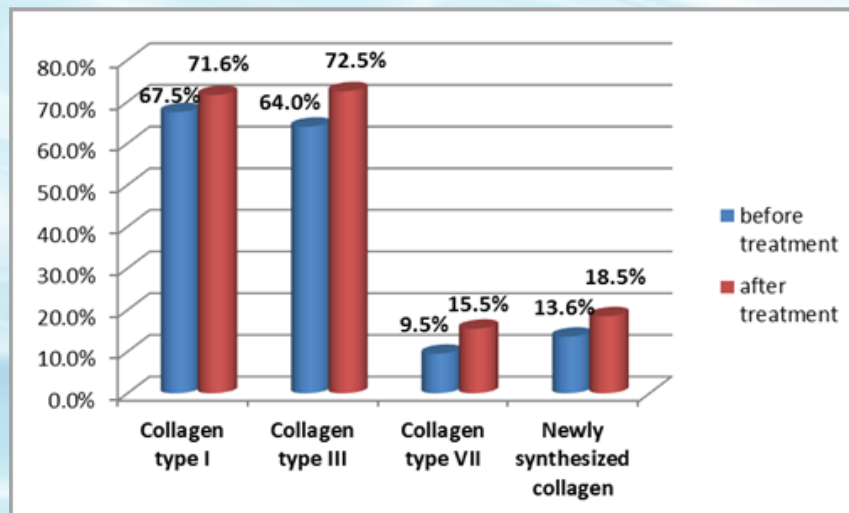
*Changes in skin hydration, elasticity and melanin levels in observed patients before, during and after the mesotherapy with SPMCE*

## Outstanding quality for lasting effects

In majority of patients had improvements in skin hydration and elasticity that were observed after first month of treatment. During the second and third months further improvements were less prominent, however the effects gained in the initial stages of treatment demonstrated high stability and sustained even 3 months after the last mesotherapy session.

SPMCE mesotherapy formula is capable of providing a significant restoration of extracellular matrix and may dramatically improve skin elasticity.

As the main purpose of mesotherapy is revitalization and maintenance of youthful skin, it is totally achievable with successful SPMCE formula that is able to enhance cell activity and increase dermal cell turnover, as well as promote synthesis of collagen and elastin. The conducted study suggests that SPMCE can achieve a physiological restoration of optimal environment in the treated tissues.



Changes in skin collagen types I, III, and VII and newly synthesized collagen in the observed cohort

## Tried and Tested

For years, NOP is known for its amazing rejuvenative properties and has brought visible transformation and confidence to users worldwide. See the results of NOP's skin restorative powers in these before and after photos (copyright).

## Safety and comfort

Dramatic improvements of skin and incredible restorative powers of NOP and MO SPMCE peptides are best observed from 'before and after' photos.



35-year female with keloid scar on chest (thermal burn with hot water)  
Products used: **NOP Skin and NOP Placenta**



22-year female with burn scar on the face after an accident.  
Products used: **NOP Skin and NOP Placenta**





## Efficacy

Results of biomolecular facial revitalization with either Nano or Mito peptides can often be noticed after second or third sessions, which is about 2 to 3 weeks after starting the treatment depending on metabolism and body type of the patient.

Available clinical and histochemical data proves MF+ MO™ SPMCE capacity to promote biosynthesis of new collagen and pep elastin fibers. Even after the first month of treatment skin looks younger and more vibrant.

The main benefits of the biomolecular products is its natural physiological mechanism of action, which does not involve administration of the fillers or foreign bodies into the tissues, and long lasting natural biological revitalizing effect. Absence of allergic reactions in the observed users supports safety of the MF+ peptides in the aesthetic practice.

Usually one vial is enough for the entire session of facial mesotherapy and the frequency should not be more than ones per week. Tiny amounts of the product should be applied proportionally in the areas of concern. If some swelling is noted after repeated sessions it is advisable to continue treatment with EUF/NOP with the similar content.

## How should NOP and MO products be stored?

NOP products have a shelf- life of 6 years, if kept in a refrigerator at optimum temperature between +2°C and +16 °C (not frozen) and fully protected from direct sunlight.

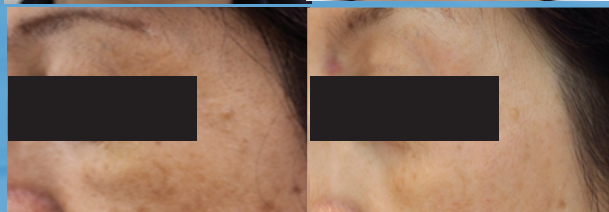
When kept in normal room temperature, NOP products have a shelf-life of 3 months.



Before and after the course of mesotherapy  
Products used: **NOP Spmce**



Before and after the course of mesotherapy  
Products used: **MO Spmce**



*Due to higher concentration of peptides in the MF+ MO™ SPMCE compared to NOP/EUF, as well as molecular weight of the peptides in the MF+ MO™ being slightly higher than in EUF/Nano peptides, it is recommended to use a smaller quantity of the product. The technique of intradermal injection and the volume of the injected product are essentially different from the ones using fillers or other known compositions containing vitamins or hyaluronic acid. Mesotherapy with MF+ MO™ SPMCE is the mesotherapy-as-it-is: "a little volume, a few times, and in the right place".*



**Nano Organo Peptides**



**Mito Organelles**



[www.mf-plus.com](http://www.mf-plus.com)

