

## Micronutrients and Mesotherapy

Mesotherapy is able to deliver small amounts of highly concentrated vitamins, minerals and amino acids directly into the skin, precisely where they are needed. Facial mesotherapy, under the dermatological name of Mesolift, is an essential component of any comprehensive ageing treatment strategy. Vitamins, minerals and amino acids are crucial elements of Mesolift, as used by aesthetic dermatologists.

Institute BCN® has created **MesoVita®**, the “Mesotherapy inspired vitamin treatment” based on the same active ingredients as its professional line, enabling you to maintain and improve on the results obtained from professional treatment.

## Micronutrients are necessary for a healthy and well-moisturized skin



Micronutrients (vitamins, minerals and some amino acids) play diverse biochemical roles, functioning as hormones, antioxidants, mediators of cell signaling and regulators of cell and tissue growth.

For instance, vitamins offer various benefits to the skin as suppression of pigmentation and bruising, stimulation of collagen synthesis, refinement of the skin surface, as well as antioxidant and anti-inflammatory effects. The antioxidant effect is particularly appreciated since free radicals generated by UV light or pollutants are effectively neutralized and no longer able to damage skin cells.

Essential for normal skin functions, vitamins and minerals cannot be synthesized by the body, but are absorbed through the digestive system (following a healthy diet rich in antioxidants). However, as blood circulation to the skin decreases with age, less nutrients reach the dermal tissue. For that reason is necessary to include antioxidant skin care to our healthy habits.

## Free Radicals: agents of ageing

Skin ageing is a continuous and complex process with intrinsic and environmental components affecting the function and appearance of the skin.

One of the most popular theories of ageing is the “Free Radical Theory of Ageing.” This theory postulates that ageing results from an accumulation of changes caused by reactions in the body initiated by highly reactive molecules known as “free radicals.” A major premise in this theory is that free radicals and their precursors may be produced endogenously (within the body) through normal metabolic processes, or exogenously (outside the body) from sources such as cigarette smoking.

- Exogenous factors, such as: ultraviolet (UV) irradiation, pollution, toxic and allergic compounds, smoking, bad diet habits or mechanical damage.
- Endogenous factors, such as: genetic predisposition, immune and hormone status, chronic illnesses or stress.

These are sources of oxidative stress and the free radical reaction that causes it.

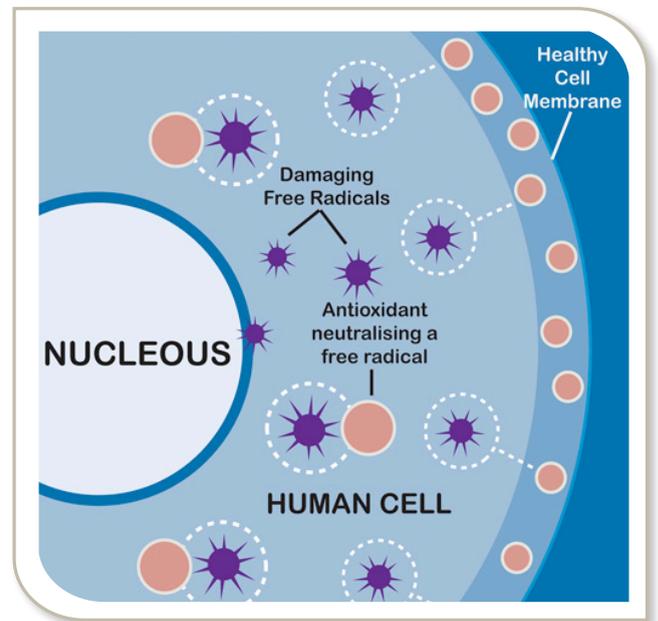
Free radical activity creates skin damage evidenced by the formation of wrinkles, age spots, loss of

elasticity -saggy skin-, inflammation, reduced immune function, imbalanced epidermal homeostasis and assorted other ageing skin care issues.

The body's defense mechanisms against these free radicals are referred to as antioxidants. Antioxidants are natural biochemical substances

MesoVita® nourishing vitamin cream is a potent dermal infusion, rich in vitamins, polyunsaturated fatty acids, omega-3 & 6, linoleic and linolenic acids, manganese, iron, zinc, magnesium and calcium, to revitalize and rejuvenate the skin. MesoVita® delivers the following specific benefits:

- Nano-encapsulated vitamins ensure deep penetration.
- Nutrition activity: injects vital bio-nutrition into the skin cells.
- Repair activity-cell regeneration: stimulates cell renewal.
- Protection activity: antioxidant activity and free radical scavenger activity.
- Increases the antioxidant protection and rescue the skin from free radical damage.
- Protects the skin and eases irritation.
- Energizing and vitalizing activity.
  - Stimulates blood circulation. Blood flow increases and gives the skin a youthful “glow”.
  - Anti-inflammatory effects.
- Moisturizing action by contributing to water retention in the skin.
- The skin's barrier gets stronger.
- Promotes collagen and elastin levels to increase.
- Improves the skin appearance by restoring flexibility and elasticity.
- Improves skin softness and enhances shine.
- Reduces wrinkles and tightens loose skin.
- Prevents the formation of age spots.
- Skin feels revitalized, looking brighter and healthier.



### MAIN ACTIVE INGREDIENTS

This rich cream combines anti-ageing and anti-oxidant properties. A powerful micronutrients complex which also improves skin moisturizing, captures free radicals and protects the skin from external and internal aggressions.

ACTIVE INGREDIENTS	PROPERTIES
ORYZA SATIVA (RICE) GERM OIL (Vitamins E, B complex, amino acids, fatty acids -fatty acid omega-, sugars, fibers, minerals, etc).	<ul style="list-style-type: none"> <li>• Anti-inflammation (Pro-vitamin B5), moisturising (amino-acids, sugars, fibers), revitalising (minerals).</li> <li>• Contributes to the constant moisturisation of the skin.</li> </ul>



ACTIVE INGREDIENTS	PROPERTIES
<p>SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL (It is made of fatty acids as well as esters composed entirely of straight chain alcohols).</p>	<ul style="list-style-type: none"> <li>• Acts as a moisturizer and emollient agent to improve skin elasticity and suppleness.</li> <li>• Contains natural tocopherols to minimize oxidation.</li> </ul>
<p>ROSA MOSCHATA SEED OIL (High in retinol -vitamin A-, vitamin C and also in the essential fatty acids - linoleic acid or omega-6, and linolenic acid or omega-3).</p>	<ul style="list-style-type: none"> <li>• Restores the moisture level of naturally dry or dehydrated skin as a result of aging, dry air or environmental damage.</li> <li>• As a preventative against the effects of intrinsic skin aging and combats the effects of aging caused by exposure to solar radiation (photo aging).</li> </ul>
<p>BUTYROSPERMUM PARKII (SHEA) BUTTER (Is composed of five principal fatty acids: stearic, oleic, palmitic, linoleic, and arachidic).</p>	<ul style="list-style-type: none"> <li>• Protects the skin from sun and helps to ease superficial skin irritation.</li> <li>• Improves skin softness and enhances shine.</li> </ul>
<p>HORSE CHESTNUT (AESCULUS HIPPOCASTANUM) SEED EXTRACT (High in saponins, vitamins K, C, B-group, fatty acids -mainly oleic, linoleic, linolenic, stearic and palmitic acids-, sugars, proteins, etc).</p>	<ul style="list-style-type: none"> <li>• A decongestant, moisturizing, anti-inflammatory and peripheral blood circulation stimulating agent.</li> <li>• Antioxidant effects.</li> <li>• Vitamin K gives its ability to repair blood leakage issues such as dark circles and compromised capillaries. Soothes and calms inflamed skin as well as repairs skin cells and improves the appearance of broken capillaries.</li> </ul>
<p>VITAMIN COMPLEX Vitamin A, E, C, B3, B5, B6, F</p>	<ul style="list-style-type: none"> <li>• Its components have been selected on the basis of their beneficial effects for skin: moisturizing, antioxidant, nutrition and repair, blood flow stimulation,</li> </ul>
<p>Vitamin A</p>	<ul style="list-style-type: none"> <li>• Improves wound healing and skin dryness.</li> <li>• Reduces wrinkles and lines.</li> <li>• Repairs ultraviolet-induced skin damage.</li> <li>• Improves collagen density, skin elasticity, tone, texture, smoothes skin surface.</li> </ul>
<p>Pyridoxine (Vitamin B6)</p>	<ul style="list-style-type: none"> <li>• An essential element for normal cell functioning. Acts especially in the metabolism of amino acids.</li> <li>• The formation of the fibrous protein collagen is influenced by the vitamin pyridoxine.</li> </ul>
<p>Vitamin C</p>	<ul style="list-style-type: none"> <li>• An effective natural antioxidant.</li> <li>• Stimulates fibroblast proliferation, the cells responsible for the structural elements of the skin matrix.</li> <li>• Essential for the formation and function of collagen to ensure a firm skin. Improves elasticity.</li> <li>• Protection against free radical damage due to UV radiation, skin lightening and prevention of age spots.</li> <li>• Anti-inflammatory effects.</li> </ul>
<p>Vitamin E Acetate</p>	<ul style="list-style-type: none"> <li>• Powerful natural antioxidant.</li> <li>• Protects skin from environmental stress (especially sun exposure).</li> <li>• Moisturises skin, enhances skin smoothness.</li> <li>• Soothes and aids in tissue repair.</li> <li>• Anti-inflammatory and anti-aging effects.</li> </ul>



ACTIVE INGREDIENTS	PROPERTIES
Vitamin F	<ul style="list-style-type: none"> <li>• Participates in cell membrane and tissue regeneration, as well as in defense mechanisms, acting as biosynthesis precursors.</li> <li>• Has strong nutritive, repairing effects and significantly improves the skin appearance by restoring flexibility and elasticity.</li> </ul>
Biotin (Vitamin B7)	<ul style="list-style-type: none"> <li>• Plays a role in energy metabolism, and has been used to treat alopecia, hair loss, seborrheic dermatitis.</li> </ul>
Pantothenic acid (Vitamin B5)	<ul style="list-style-type: none"> <li>• Has moisturizing effects.</li> <li>• Improves wound healing, because of its epithelization and granulation stimulating properties.</li> </ul>
Panthenol (Pro-vitamin B5)	<ul style="list-style-type: none"> <li>• An effective moisturiser.</li> <li>• Has anti-inflammatory effects and soothes irritated skin.</li> <li>• Regenerating and softening effects.</li> </ul>
Niacinamide (Vitamin B3).	<ul style="list-style-type: none"> <li>• Stimulates blood circulation in the skin.</li> <li>• Anti-inflammatory properties.</li> <li>• Provides an additional moisturizing effect.</li> </ul>

## Results:

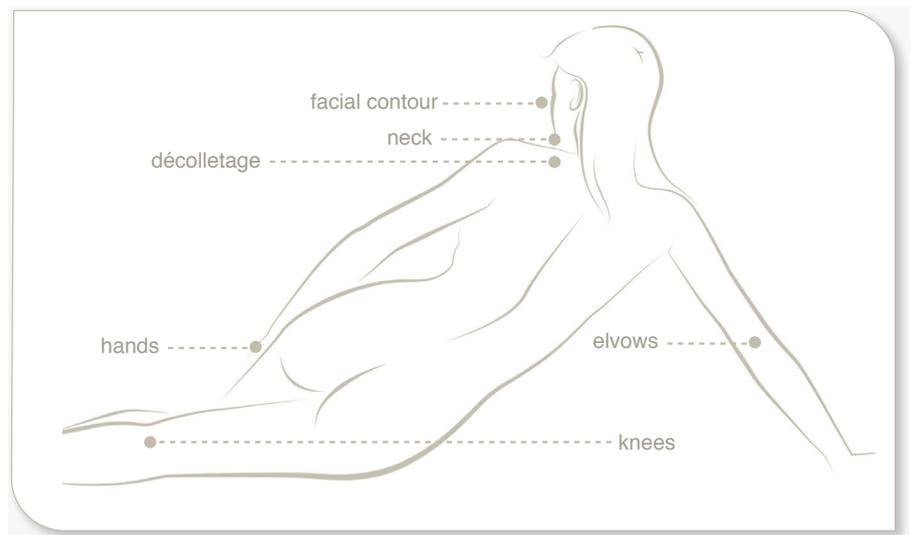
- Skin ageing is delayed: fine lines wrinkles and dark spots are reduced
- Skin feels soft and hydrated
- Skin elasticity is improved
- Skin looks brighter and more vibrant

For optimal results, choose **MesoVita®**, the indispensable cosmetic complement to your Institute BCN® professional mesotherapy treatment.

## Indications:

Indicated for use on the face, neck, décolletage and hands, for wrinkles, tired or ashen skin, sun damage and smokers' skin, or as an overall anti-ageing treatment for mature skin.

For excellent results, is recommended to combine with **MesoAge®** anti-ageing cream every morning.



## Presentation:

Tube containing 40 ml NET WT. 1.14 oz.