# Unique Anti-Aging treatment of neck and décolleté: Intradermal Injection with combination of succinic and hyaluronic acid



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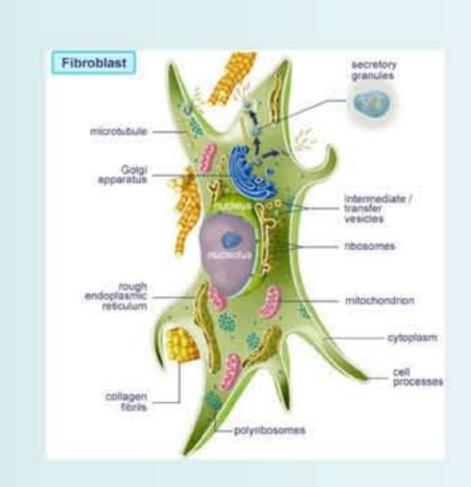
## **Objectives**

What's new of this procedure? Firstly the product content two substances: Hyaluronic acid and Succinic acid. And secondly the special technique of application of intradermal injections.

Product with a combination of succinic and hyaluronic acid stimulate proliferation activities of fibroblasts much more as product with monocomponent substance of hyaluronic acid. It is a powerful non-surgical method of skin rejuvenation by skin renovation. It is achieved by combining complex interrelated biochemical, metabolic and histological processes that enhanced dermal renovation.. The skin becomes visibly smoother and more elastic.

#### Fibroblast in the process of skin anti aging

Fibroblasts are partly responsible for giving our skin its youthful appearance. They are mainly involved with tissue metabolism and maintenance and function to help with structural and biochemical changes in; permeability, sensitivity and scar formation. Fibroblast make collagen, glyosaminoglycans. Reticular and elastic fibres in the extracellular matrix. They are also the major components of the dermis and are responsible for producing and maintaining extra cellular connective tissue. Unfortunately for us as we age, fibroblasts cease to be able to maintain the skins tightness and we start to loose our youthful look.



#### Succinic acid

It is a natural compound of our body. It is inside our skin cells and also fibroblasts. Succinic acid is found in the kreb cycle and is responsible for energy, ATP production and destruction of free radicals in our body and skin cells mainly produced from UV radiation. When our skin is exposed to the sun we lose our ability for normal skin function. The proliferation of the fibroblasts is dropping and the protection against free radicals lessening. When we add the raw material inside the tissue the whole system starts to work better. In essence we are improving the life cycle of the mitochondria's in the fibroblasts. Succinic acid also works as co-enzymes similar to vitamin C and isotrate which is used in some cosmetics. After many studies we discovered that the formulation of Succinic and hyaluronic acid is far more stable with far less chance of any reaction and down time.

#### WHAT IS HYALURONIC ACID?



### Skin rehydration

- Intercellular matrix
- Anti Hyperpigmentation response

#### WHAT IS SUCCINIC ACID?



RESPONSIBLE FOR:

- Anti oxidant effect
- Synthesis of proteins
- Anti Hyperpigmentation response

#### Conclusion

Intradermal Injection with combination of succinic and hyaluronic acid is a big discovery of 21.th Century in the World of Anti-Aging procedures and has various application to reduce hyperpigmentation, to acne treatment, helps in the lymphodrenage of the face and delayed aging process of the skin.

### **Materials and methods**

We have 4 special techniques of application. There exist one key, which technique use for each part of a body. We can use point by point technique, linear retrograde technique, vector technique and cannula technique.

This intradermal injection with combination of hyaluronic acid and succinic acid are produced in four different concentrations of hyaluronic acid:

0, 55 % = 5,5 mg/ml 1.1 % = 11 mg/ml 1.8 % = 18 mg/ml 2.2 % = 22 mg/ml

We use four different concentrations because we believe that different areas of the skin and **different ages need different hydration**. For example you don't need such a high hydration for the area around the eyes.

Our techniques are the basic mesotherapy techniques. We do serial injections by following the skin tangent lines on the face. Though these injections should not be superficial like Mesotherapy nappage but deeper. Into the dermis, physicalologically and anatomy of the skin the dermal layer is up to 2mm depth, no more.



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#### A. CANNULA TECHNIQUE



1. Local anaesthetic injection





2. Cannula application



# B. INTRADERMAL INJECTIONS BY VIRTUE OF THE PAPULE TECHNIQUE





#### Results

Product with combination of succinic and hyaluronic acid promotes more expressed increase in fibroblasts number, synthesis of collagen and basic substance of connective tissue compared to monocomponent substance of hyaluronic acid.

This application significantly improves elasticity, hydration and quality of the skin - decreases depth and length of wrinkles, destroys inflammatory processes in the skin. Skin elasticity increase by 20,3%.



C. COMPARISON OF THE TWO TECHNIQUE