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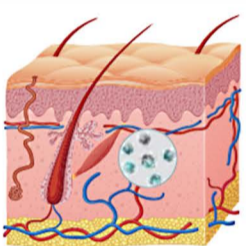
## Combined technique of rejuvenating neck and décolleté; with botulinum toxin, hyaluronic acid and sodium succinate

The neck and décolleté area is important in the overall aesthetic patient's portrait. However, when aesthetic specialists are working with this area, they often face difficulties. Thinner skin, plenty of blood vessels and a high rate of skin aging make it difficult to perform aesthetic procedures here and explain a longer rehabilitation. The main problems of the décolleté are wrinkles and early photo-aging.

### Redermaneurolifting - a combined technique of rejuvenating décolleté area simultaneous use of botulinum toxin, hyaluronic acid and sodium succinate

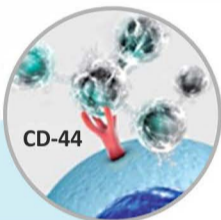
#### Redermaneurolifting targets various signs of aging:

Botulinum toxin promotes gentle relaxation of dermal myofibrils

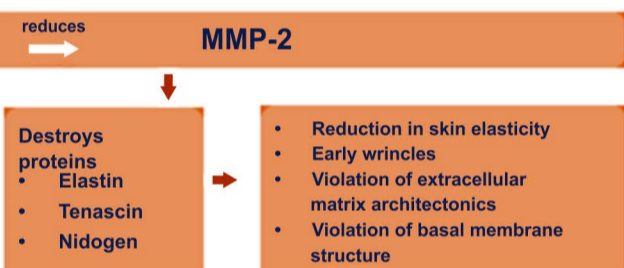


High molecular mass HA contributes to the production of inflammation inhibiting mediators  
↑ IL-10 and Mrc-1

High molecular hyaluronic acid



High molecular hyaluronic acid interact with CD-44. High molecular HA + CD-44 = ligand-antagonist of anti-inflammatory cytokines



Sodium succinate reduces Matrix metalloproteinase -2 and thereby suppresses chronic dermis inflammation

### Materials and methods

The study involved 23 volunteers aged 35 to 55 years old with various age-related changes of décolleté and neck area 2 – 3 levels on a scale Glogau. Injections were performed intradermal micro papules with a 30 G needle according to a specific markup. During the procedure 40-50 units of botulinum toxin and 1 ml of hyaluronic acid and sodium succinate were mixed in one syringe.

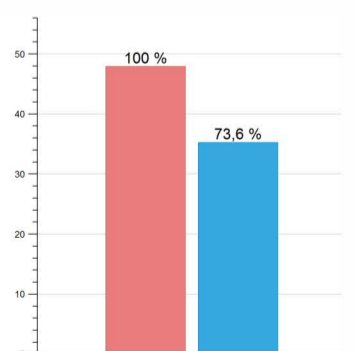
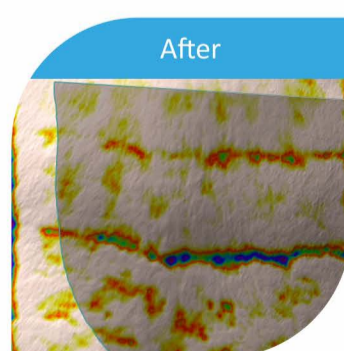
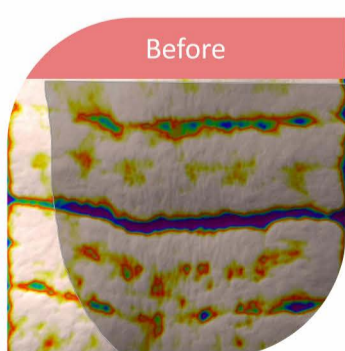
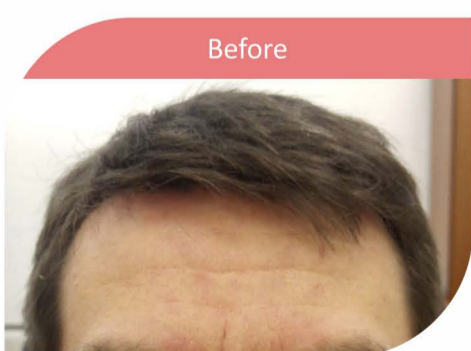
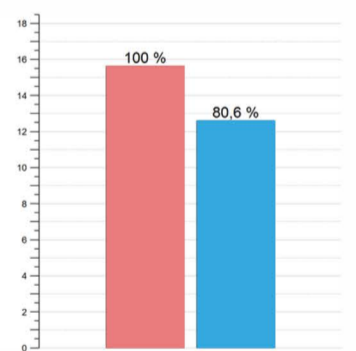
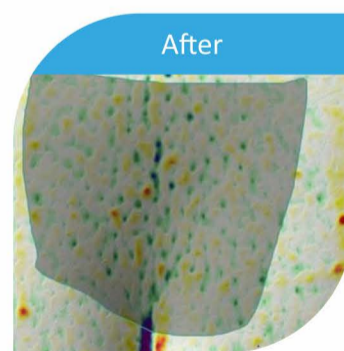
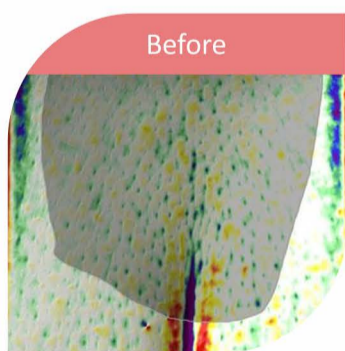


Botulinum toxin (50 units of 500 un.btx) + Xela Rederm (1.1% - 1ml) = Single procedure



Repeat after 3 – 4 months

### Results:



### Conclusions:

Redermaneurolifting can be successfully used for quick delicate correction of age-related changes in the décolleté zone. Redermaneurolifting can also be used in the forehead and eyebrow area to achieve a natural and delicate correction result. Method is popular among men and young women.