

AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

## CASE REPORT; ABOUT EFFICACY OF BIOMIMETIC PEPTIDES IN THE IMPROVEMENT OF THE AESTHETIC ACTIONS OF BOTULINUM TOXIN.

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Background: We have studied how to improve and prolong the action of botulinum toxin against the dynamic lines of expression, achieving a combination of peptides. This case report yielded relevant results with what is worth presenting.

Observation: Female of 53-year-old presents wrinkles of expression in regions, frontal, glabellar, periocular.

Day 1; 5 cc of Acetil hexapeptide, Pentapeptide, transepidermal route, by microneedling, on the left side of the face, on the right side microneedling technique is performed with the same specifications, using 0.9% physiological solution, then we injected botulinum toxin type A on both sides of the face, frontal 20 U, glabella 30 U, crow's feet 12 U.

Days 15, 30, 45, 60, apply 5 cc of the biopeptides transepidermal, on the left side of the face on the right side microneedling technique is performed with 0.9% physiological solution.

Crow's feet: wrinkles were evaluated, botulinum toxin was applied to the left side, in addition to peptides applied transdermally vs. right side, only botulinum toxin was applied, there are differences in favor of the left side at day 105 where 19.04% of wrinkle correction is recorded. General wrinkles 1/3 upper face: The wrinkles of the upper third of the face are evaluated comparatively, on the left side where botulinum toxin was applied in addition to peptides vs. right side, where only botulinum toxin. There are differences in favor of the left side with respect to the right side, at day 105 where 21.11% is registered of greater correction of wrinkles.

Key message: In the side in which the peptides were applied, in all the measurements and in all the treated areas, a better anti-wrinkle action is evaluated in comparison with the right side.