



AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

FORMULATIONS CONTAINING A COMBINATION OF MAGNOLIA BARK EXTRACT, OLIGOPEPTIDES AND HYALURONIC ACID SIGNIFICANTLY REDUCE JOWLING IN AGEING SKIN

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Introduction & Objectives: Morphological ageing related changes of skin and supporting structures result in weakening of the dermis with increased laxity of the skin. As a result the distribution of soft tissue compartments is modified. Compartments of the jowl migrate downward, leading to volume increase in the lower part of the face, which we recognize as loss of contour of the mandible jaw, or jowling.

We have tested the contouring effect of a formulation containing: Magnolia Bark Extract enhances lipid storage of the soft tissue compartments. Oligopeptides activate the collagen expression and strengthens the dermis and supportive structure. Hyaluronic Acid has a high moisture-storing capacity.

Materials & Methods: A dermocosmetic formulation with Magnolia Bark Extract, Oligopeptides and Hyaluronic Acid was applied twice daily over a four-week period in a single center, randomized study, blind for the test product, pre-/post-test comparisons on face under dermatological supervision (n= 38 female volunteers ranging from 50 to 74 years).

Phaseshift Rapid in-vivo Measuring of Human Skin was performed in order to objectively assess the contour of the mandible jaw at baseline and after 4 weeks.

Results: The study revealed efficacy of the tested product by demonstrating significant improvements in face contour characteristics directly after first application as well as after two and four weeks of regular use. Decrease in volume and improvement of mean height of the mandible jaw (jowling) as a result of firmer contours of the lower face was significant after four weeks of regular use.

Conclusions: The dermocosmetic formulation containing Magnolia Bark Extract,





Oligopeptides and Hyaluronic Acid reduces the appearance of jowling, by improving the contour of the mandible jaw.

