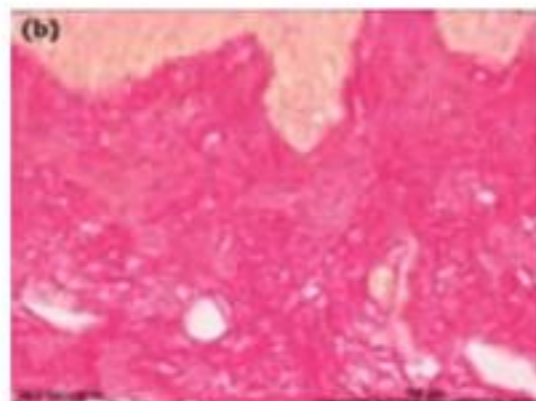
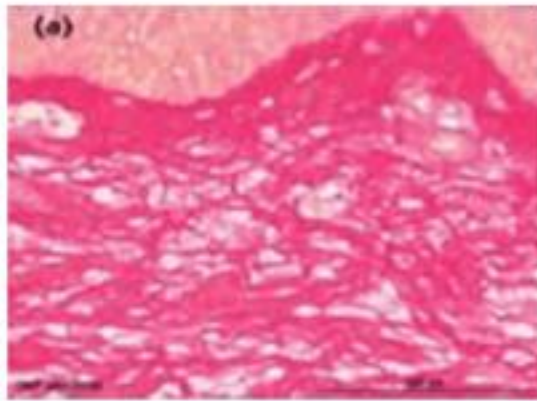


SKIN HEALTH

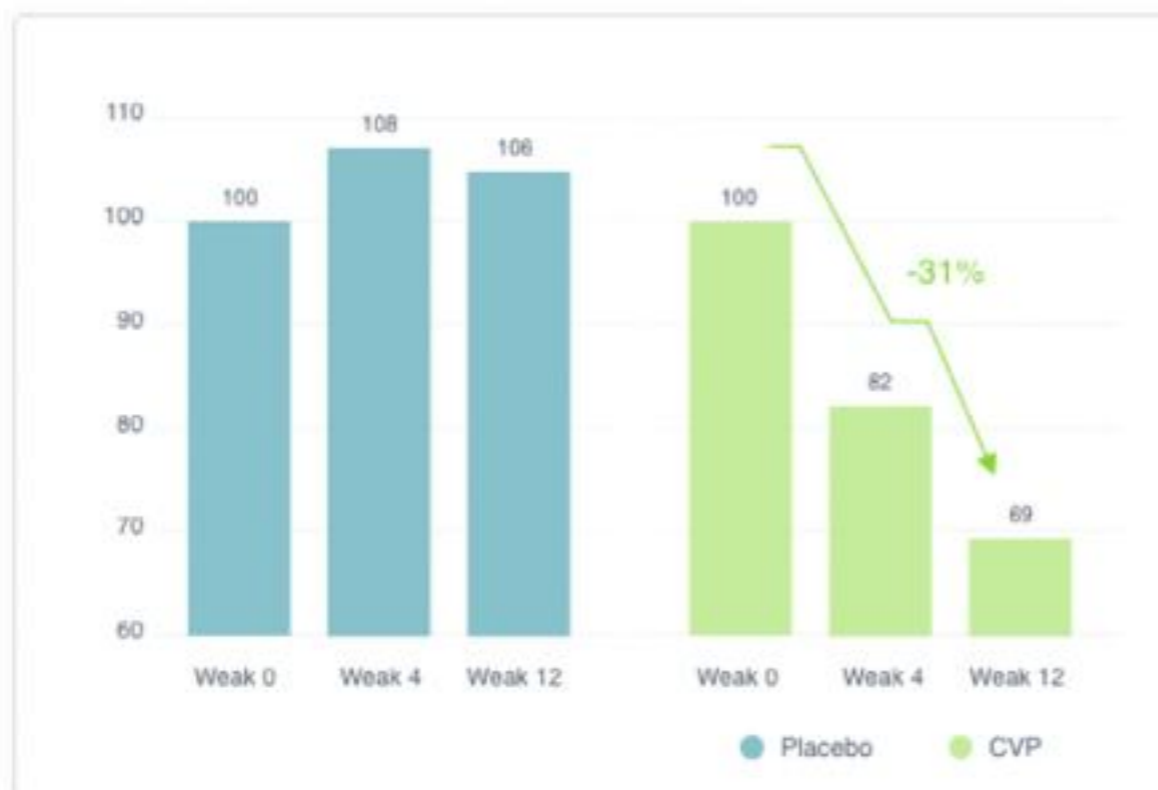


- (a) Skin without collagen supplementation
- (b) Skin after 3 months collagen supplementation, 10g

Greater surface occupied by collagen network and less voids (white marks) in picture (b)

Two placebo-controlled clinical trials⁽²⁾ were run in France, with a group of more than 100 women, to assess the effect of a daily oral supplementation with collagen peptides used by Collagen Vital Power (CVP) on skin hydration by corneometry, on collagen density by high-resolution ultrasound and on collagen fragmentation by reflectance confocal microscopy. Human skin explants were used to study extracellular matrix components in the presence of collagen peptides ex vivo.

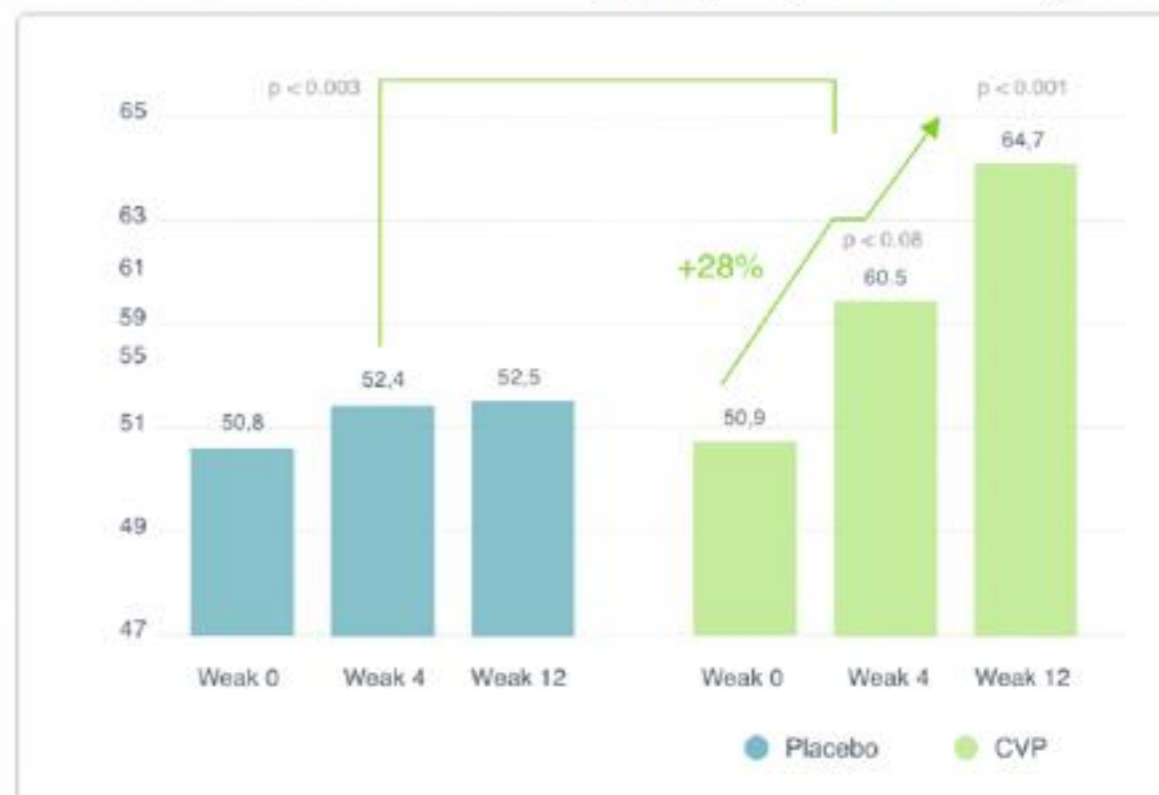
The results of this study demonstrated that after 12 weeks of intake, there was a 31% reduction, compared to the start of the study. This restructuring of the skin is key to our understanding of how Collagen Vital Power can boost the collagen network, providing clear anti-aging benefits.



Collagen fragmentation (relative change) assessed by confocal laser imaging after intake

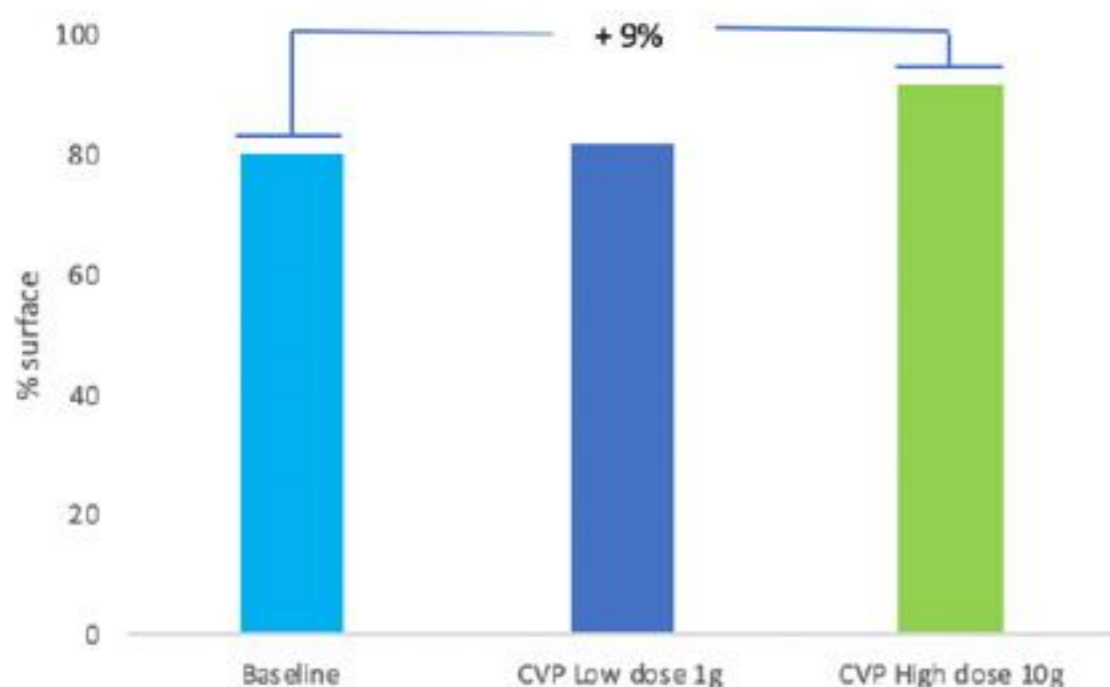
A double-blind, placebo-controlled trial⁽³⁾ of collagen peptides used by Collagen Vital Power among 66 women aged 40-59 has demonstrated that this supplementation with collagen peptides (10g daily) has increased skin hydration by 28% after eight weeks; and 91% of this research group reported a higher skin hydration level during the same period.

Skin moisture level increase -
Corneometer® measurement



Another study^(4,5) ex-vivo has tested impact of collagen peptides supplementation (peptides used of Collagen Vital Power, hereafter noted CVP) dermis density and hydration. Skin explants of 49-old women undergoing abdomoplasty have been collected. Explants were kept in survival culture media for 9 days and collagen peptides CVP were added. The following parameters were analyzed: Total collagen surface occupied in the dermis + Glycosaminoglycan (GAG) acids in the epidermis.

Peptides CVP induces an increase in epidermal thickness as well as an increase in collagen density in the papillary dermis on the general morphology.

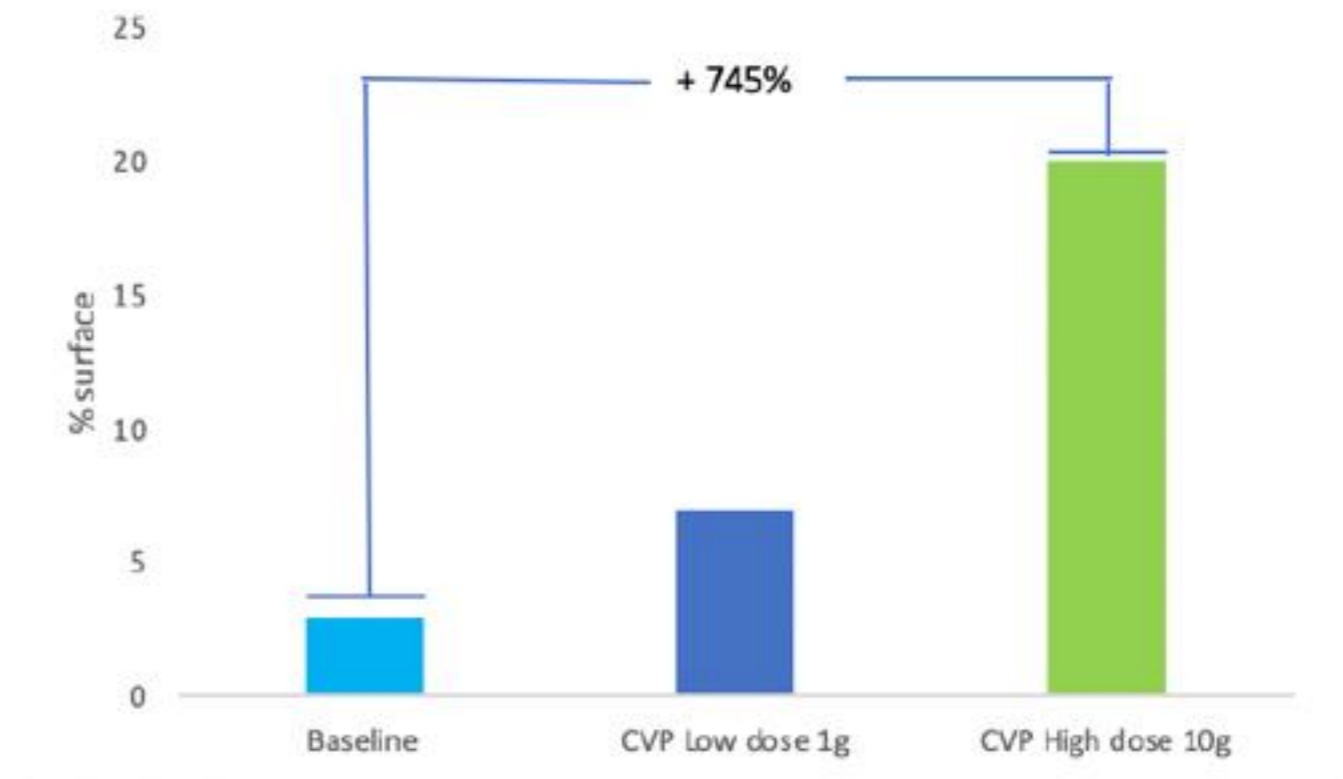


After 9 days, peptides CVP induces a significant increase of 9% in the surface percentage occupied by collagen in the papillary dermis.

[Comments from Lab: due to high amount of collagen in the dermis, a 9% increase corresponds to a good activity, comparable to the best products usually tested in similar conditions.]

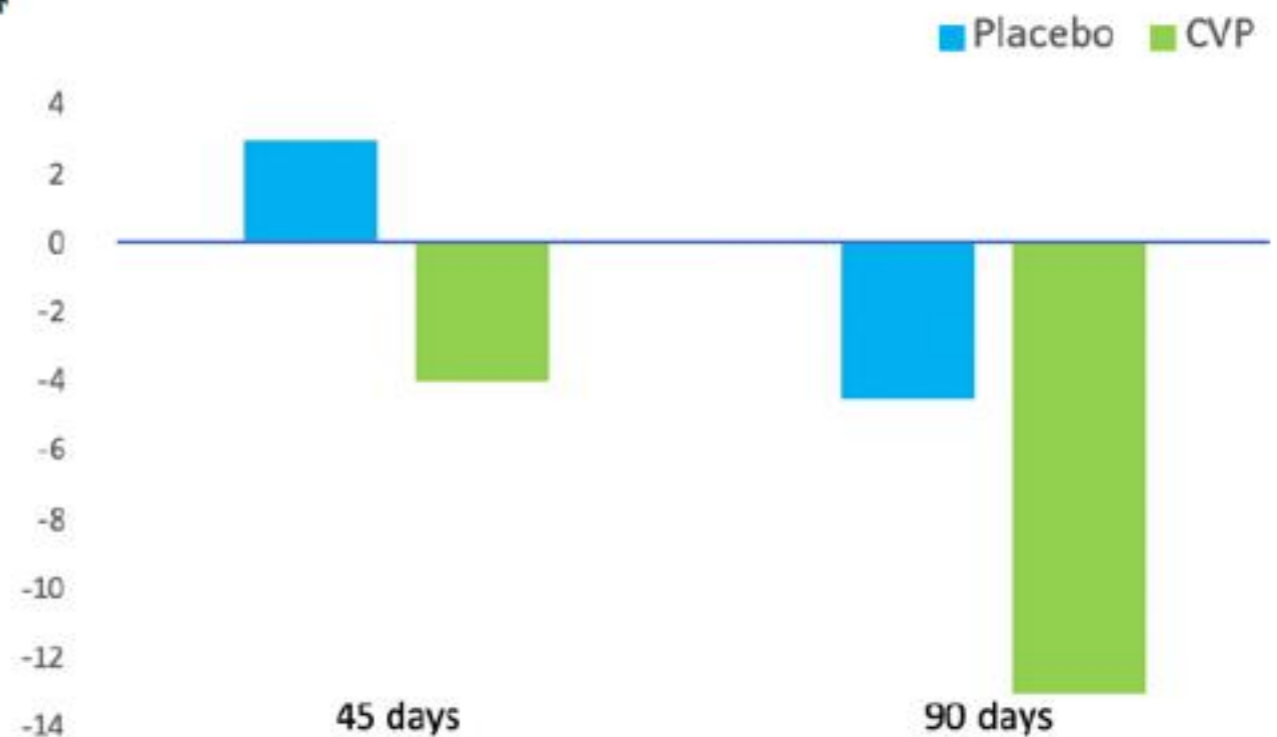
After 9 days, peptides CVP induce a highly significant increase of GAGs and specifically Hyaluronic Acid against baseline (BL)

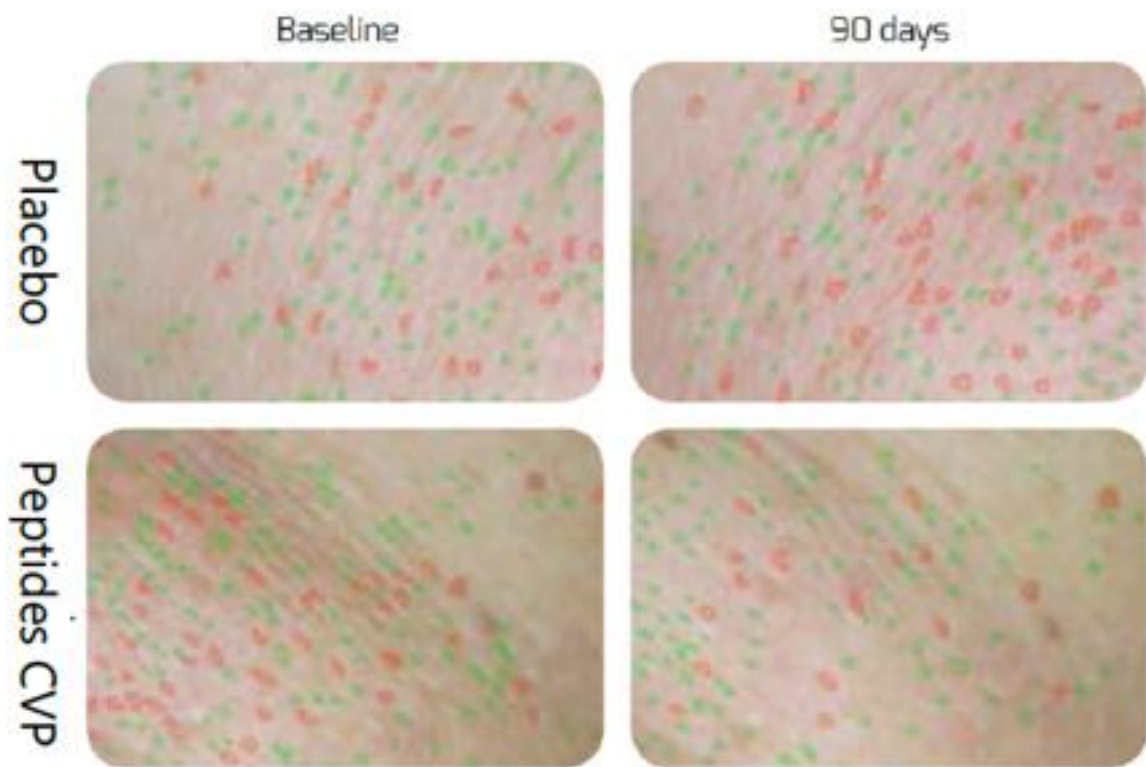
[Comment from Lab: Hyaluronic acid represents approximately 70% of the GAG's in the skin and is the only acid GAG. Increase surface occupied by the Alcian blue color is thus directly correlated to the stimulation of hyaluronic acid.]



Collagen peptides used by Collagen Vital Power (CVP) reduces skin wrinkles and skin pore scores. Taking high resolution images and scoring the appearance of wrinkles and skin pores by a software assisted method, only the group of 60 women supplemented with peptides CVP (10g daily) have shown significant decreases in the wrinkles around the eyes and mouth, reduced scaliness and roughness of the skin, and a lower visibility of skin pores.

Changes of the wrinkle score for the crow feet region after 45 and 90 days of supplementation as % compared to baseline. A decrease of the score represents a decrease in wrinkles.





Around 60% of participants have shown a decrease in pore visibility.

Representative photographs of the pores of the cheekbone region before (baseline) and after supplementation with either placebo or peptides CVP.

Pores are indicated with a green (small) or red (large) line.

Collagen Vital Power supplementation strengthens the hair.

To investigate the effect of supplementation with collagen peptides of Collagen Vital power (CVP) on hair properties, the break force of the hair of trial participants was measured using a special texture analyzer system. After supplementation, the women' hair break stress values showed a statistically significant increase, which was not present in the control group. Such results show that oral Collagen Vital Power supplementation strengthens the hair. That can be especially important for aging hair, which is thinner and weaker than in younger people.

