

# Your Skin Is A Reflection of Your Inner Health

- > Droopy, saggy, dark circles under the eyes can be a clue to fatigue
- > Dull, old, less elastic skin & sunken looking skin around the eyes may indicate dehydration
- > Dermatitis, rashes, hives, acne, eczema could suggest that your liver isn't functioning well
- > Breakouts on the chin and jawline can be a sign of hormonal imbalance

# **Nutrients to Support a Healthy Complexion**

#### Vitamin C

- Antioxidant against UV-induced photodamage, supports collagen synthesis & wound healing
- Improvements in skin radiance, pigmentation and wrinkles may occur within 4 to 12 weeks

# **Essential fatty acids**

- Supplementation with EPA from fish oil for 12 weeks decreased skin inflammation (1)
- Supplementation with borage oil for 2 months improved skin hydration and dry & itchy skin (2)

### Coenzyme Q10

- Reduces free radical production, involved in the regeneration of Vitamin E, enhances collagen & elastin expression
- 150 mg/day for 12 weeks reduced wrinkles (including nasolabial folds) & improved skin smoothness (3)

## Collagen peptides

- Important structural protein in skin that degrades with age
- Supplementation for 90 days reduced wrinkles & improved skin elasticity & hydration (4)

Pilkington, S. M., Rhodes, L. E., Al-Aasswad, N. M., Massey, K. A., & Nicolaou, A. (2014). Impact of EPA ingestion on COX- and LOX-mediated eicosanoid synthesis in skin with and without a pro-inflammatory UVR challenge--report of a randomised controlled study in humans. Molecular nutrition & food research, 58(3), 580-590. https://doi.org/10.1002/mnfr.201300405

Brosche, T., & Platt, D. (2000). Effect of borage oil consumption on fatty acid metabolism, transepidermal water loss and skin parameters in elderly people. Archives of gerontology and geriatrics, 30(2), 139–150. https://doi.org/10.1016/s0167-4943(00)00046-7

<sup>3.</sup> Žmitek, K., Pogačnik, T., Mervic, L., Žmitek, J., & Pravst, I. (2017). The effect of dietary intake of coenzyme Q10 on skin parameters and condition: Results of a randomised, placebo-controlled, double-blind study. BioFactors (Oxford, England), 43(1), 132–140. https://doi.org/10.1002/biof.1316

<sup>4.</sup> de Miranda, R. B., Weimer, P., & Rossi, R. C. (2021). Effects of hydrolyzed collagen supplementation on skin aging: a systematic review and meta-analysis. International journal of dermatology, 60(12), 1449–1461. https://doi.org/10.1111/ijd.15518