

CHROMOPHORE GEL-ASSISTED PHOTOTHERAPY

A novel and promising photobiomodulation therapy for facial inflammatory skin diseases and skin aging

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PHOTOBIMODULATION AND ITS MECHANISM OF ACTION

Documented effects include: anti-inflammatory response, beneficial for conditions such as acne, rosacea, keratosis pilaris; post-interventional inflammation and erythema (e. g., following laser treatments); increased normalized cell growth for wound healing; photorejuvenation; and scar prevention and recovery.

FLUORESCENT LIGHT ENERGY (FLE) AND ITS CLINICAL APPLICATIONS IN DERMATOLOGY

Fluorescent Light Energy (FLE) induces photobiomodulation in a differential and improved fashion as compared to traditional photobiomodulation techniques, allowing the stimulation of pathways associated with cellular healing factors.

Clinical studies with FLE have shown:

- Significant reduction of inflammation and lesions in moderate and severe patients with acne vulgaris
- Extended durability of the treatment in acne vulgaris for at least 6 months
- Wrinkle reduction and collagen buildup



PROCEDURE:

- A thin layer of the photoconverter gel is topically applied on the targeted skin area.
- Subsequent illumination with the blue LED light for 9 min.

CONCLUSIONS

- “The chromophore gel-assisted light therapy has so far demonstrated significant clinical efficacy in the treatment of moderate to severe acne.”
- “The chromophore gel-assisted light therapy has been shown in recent clinical trials to be a promising non-ablative rejuvenation procedure.”
- “The chromophore gel-assisted light therapy could be a potential alternative therapeutic option to conventional therapies, not just for acne but also for rosacea and probably chronic wounds.”

For more information and before/after pictures, visit the original [publication](#).