Development of a new photoprotective repairing cream using an ecobiological approach_

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Conflict of interest:





What is an optimal post-procedure repairing care?

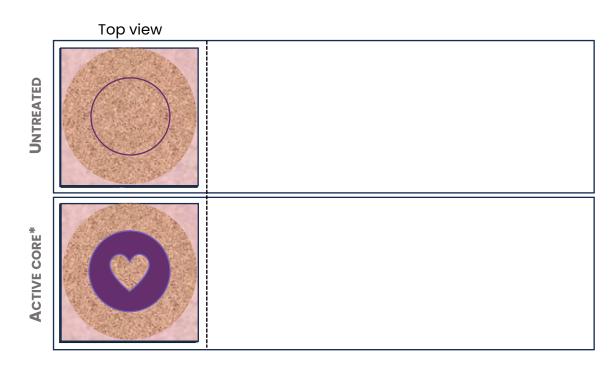
- Help wound healing
- Reduce discomfort sensations
- Prevent sun-induced pigmented marks
- Suitable for daily life

The skin as an ever-evolving ecosystem



#1 In vitro evaluation of the repairing efficacy

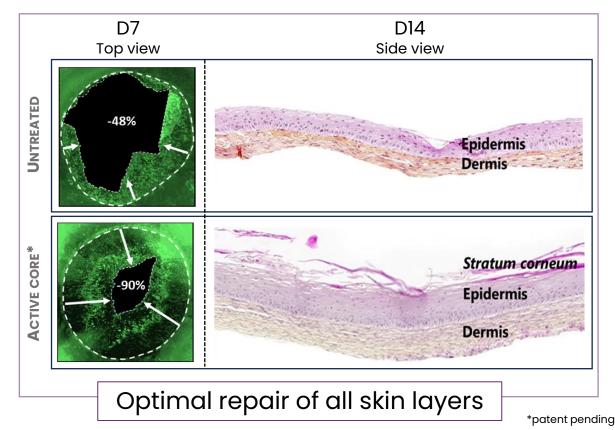
3D wounded skin model | topical application of the active core vs. veicule once daily for 14 days after a circular hole formatrion



*patent pending

#1 In vitro evaluation of the repairing efficacy

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#2 instrumental evaluations of the texture properties

Intra-individual | 10 to 20 subjects | from 19 to 70 years old | dry or moderately hydrated skin | single application vs. untreated area

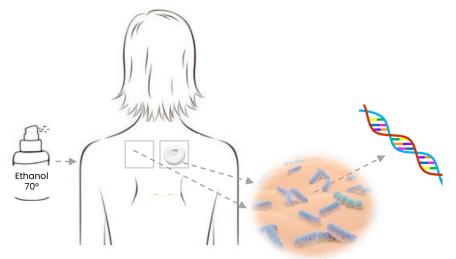


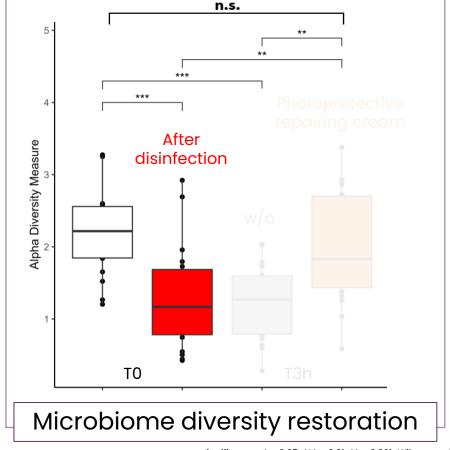
- Moisturising effet (+40%*** Ih to +19%*** 8h)
- Bioadhesive effect (-21%*** of TEWL after blotting paper)
- Anti-friction effect (-8%*** of TEWL after rubbing)
- Breathing effect (no variation TcPO₂/TcPCO₂)

Breathable dressing-like effect

#3 Clinical study on cutaneous microbiome diversity

Intra-individual | 20 healthy women | 23 to 50 years old | Skin microbiome samplings | DNA extraction, 16S rRNA gene (V3-V4) amplification and metagenomic analysis

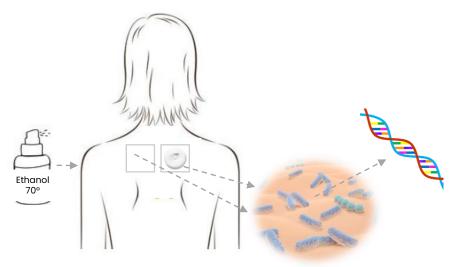


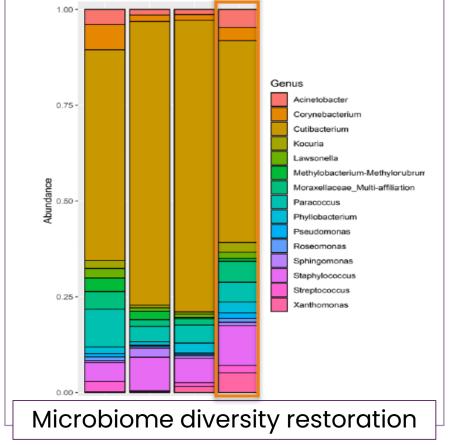


n.s. non significance, *p<0.05, ***p<0.01, **p<0.001, Wilconxon test

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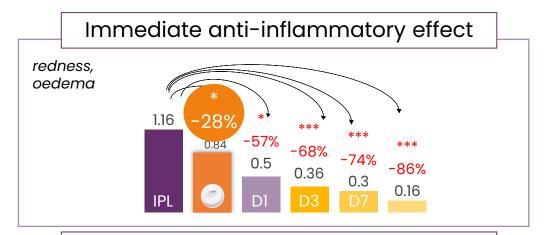


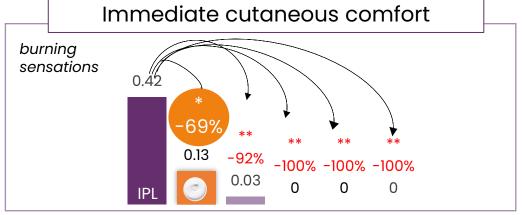


#4 Clinical evaluation in post non-ablative resurfacing technique

Intense pulsed light (IPL) | 31 healthy subjects that tend to hypepigmented | 23 to 50 years old | Twice daily application for 14 days







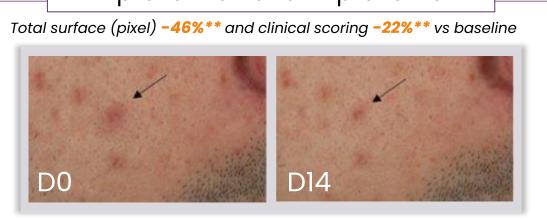
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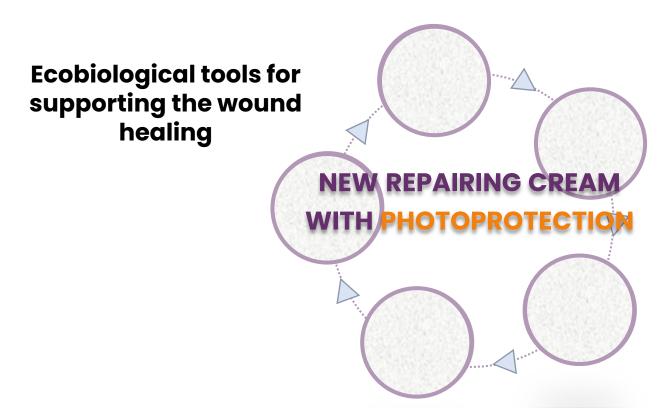
PIH prevention and improvement



Very good tolerance

suitable for post-aesthetic procedure

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