

Management of post-procedure with a new dermocosmetic based on an ecobiological approach_

Helena Polena, PharmD, PhD
Clinical Project Manager

IMCAS
WORLD CONGRESS
FEBRUARY 1 TO 3, 2024

25th ANNIVERSARY

WWW.IMCAS.COM

Conflict of interest:



N A O S



What is an optimal post-procedure repairing care?

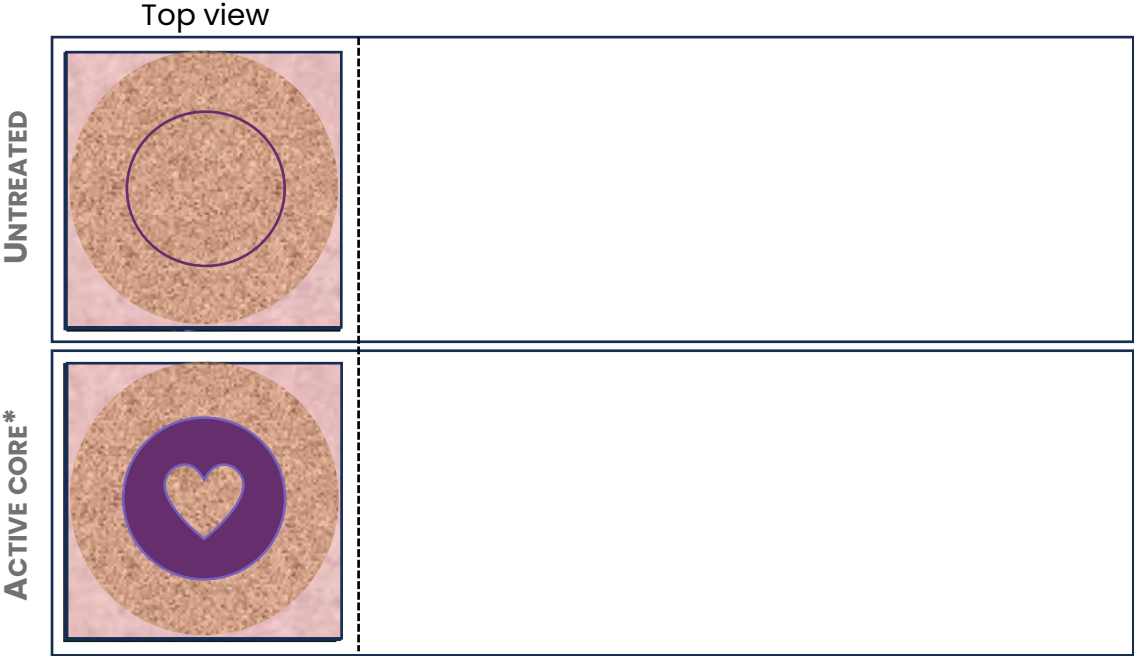
- Help wound healing
- Reduce discomfort sensations
- Prevent pigmented marks
- Suitable for daily life

**The skin as an
ever-evolving
ecosystem**



#1 *In vitro* evaluation of the repairing efficacy

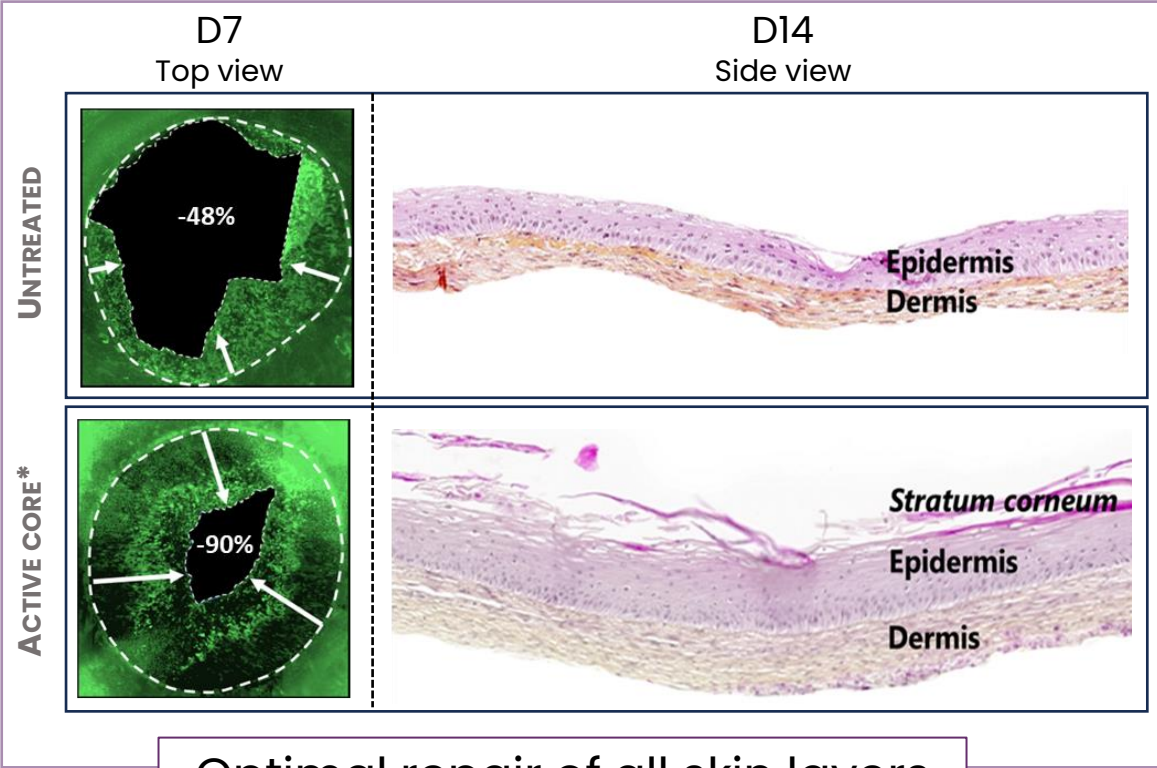
3D wounded skin model | topical application of the active core vs. vehicle once daily for 14 days after a circular hole formation



*patent pending

#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 formation



Optimal repair of all skin layers

*patent pending

#2 instrumental evaluations of the texture properties

Intra-individual | 10 to 20 subjects |
from 26 to 70 years old | dry or
moderately hydrated skin | osingle
application vs. untreated area



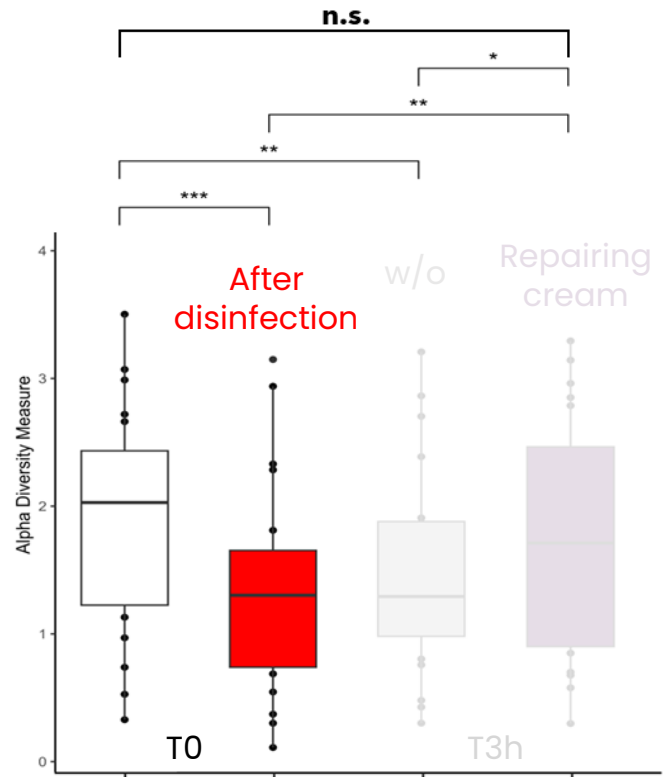
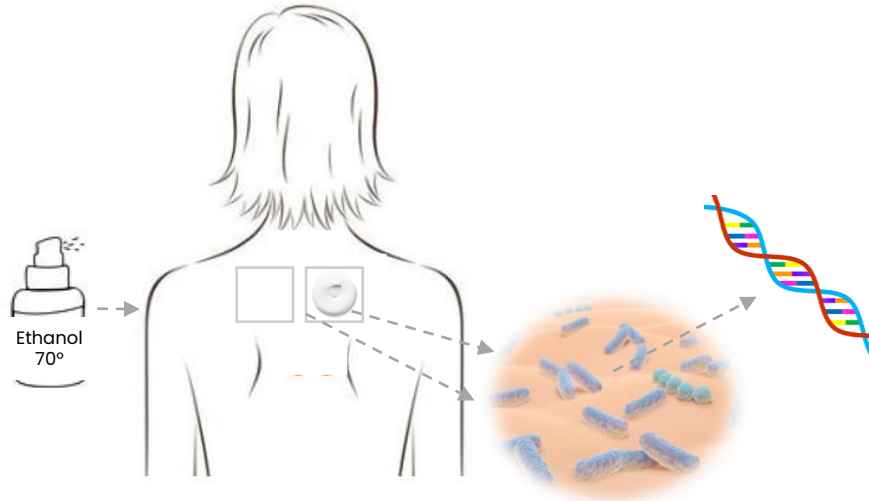
- Moisturising effet (+**67%***** 1h to +**31%***** 8h)
- Bioadhesive effect (-**21%***** of TEWL after blotting paper)
- Anti-friction effect (-**12%***** of TEWL after rubbing)
- Breathing effect (no variation TcPO₂/TcPCO₂)

Breathable dressing-like effect

***p<0.001, Wilcoxon test

#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

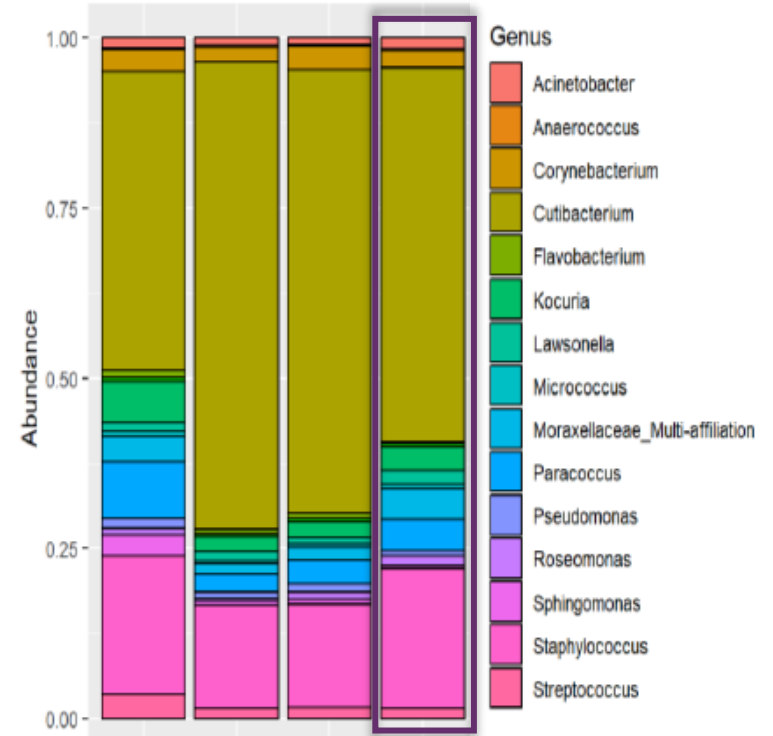
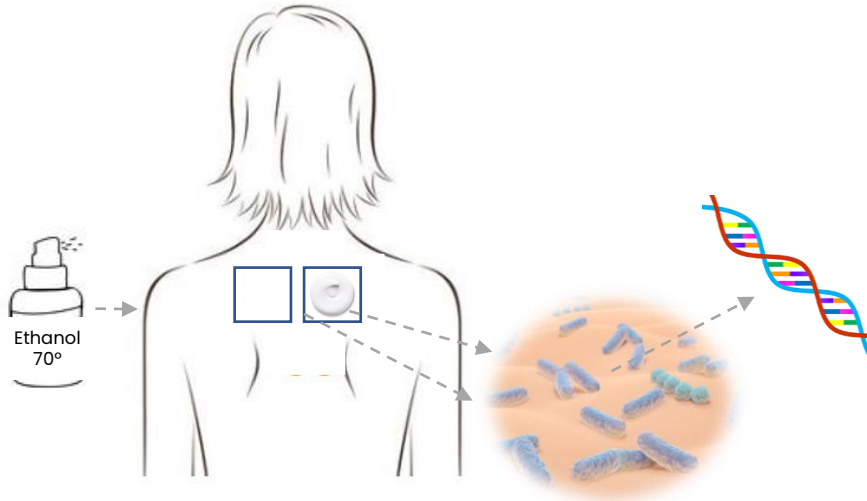


Microbiome diversity restoration

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

#3 Clinical study on cutaneous microbiome diversity

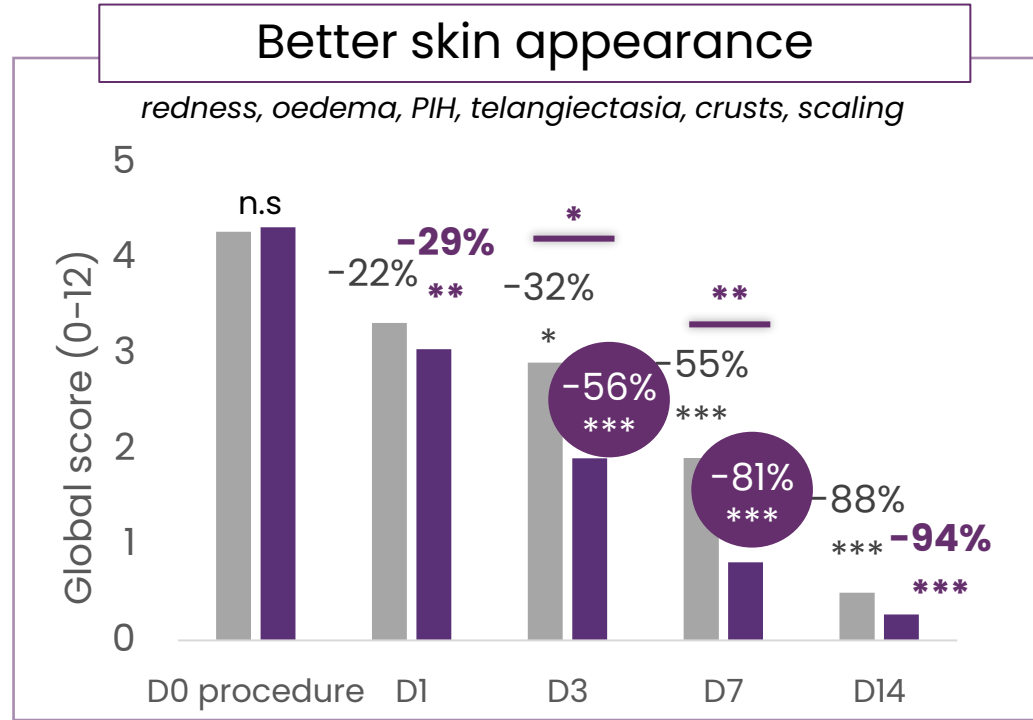
Intra-individual | 20 healthy women | 23 to 50 years old | Skin microbiome samplings | DNA extraction, 16S rRNA gene (V3-V4) amplification and metagenomic analysis



Microbiome diversity restoration

#4 Clinical study on facial post peeling

Randomised intra-individual under dermatological control | 22 healthy women | 26 to 45 years old | Phototypes II-III | Twice daily application for 14 days



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

#4 Clinical study on facial post peeling

Randomised intra-individual under dermatological control | 22 healthy women | 26 to 45 years old | Phytotypes II-III | Twice daily application for 14 days



#4 Clinical study on facial post peeling

Randomised intra-individual under dermatological control | 22 healthy women | 26 to 45 years old | Photytopes II-III | Twice daily application for 14 days



Immediate cutaneous comfort

*Heat sensations, **-43%**** vs placebo after a single application*

Very good tolerance

suitable for post-aesthetic procedure

*** $p < 0.01$, Wilcoxon test

Ecobiological tools for supporting the wound healing





 N A O S

BIODERMA
LABORATOIRE DERMATOLOGIQUE

INSTITUT
ESTHEDERM
PARIS

état pur