



25th World Congress
of Dermatology
SINGAPORE 2023

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Management of triggering factors effect in sensitive skin with a specific dermo-cosmetic product

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NAOS

FC33 Dermatology in women and during pregnancy



Conflict of interest:

authors of these studies
are employees of



N A O S

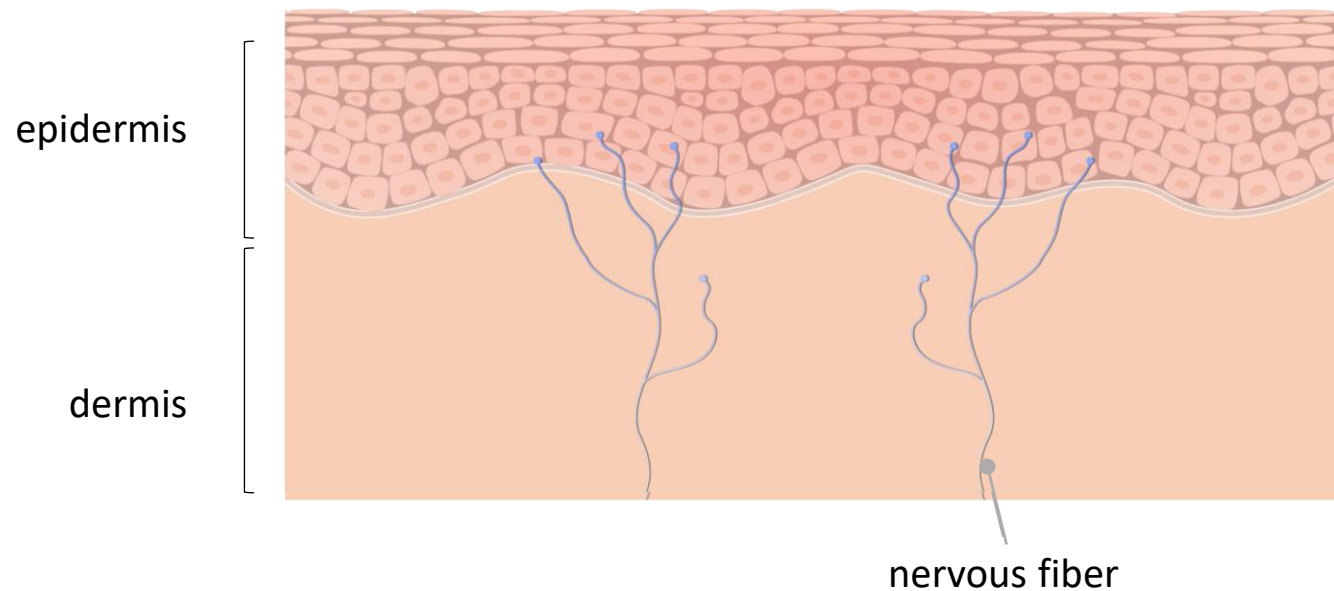


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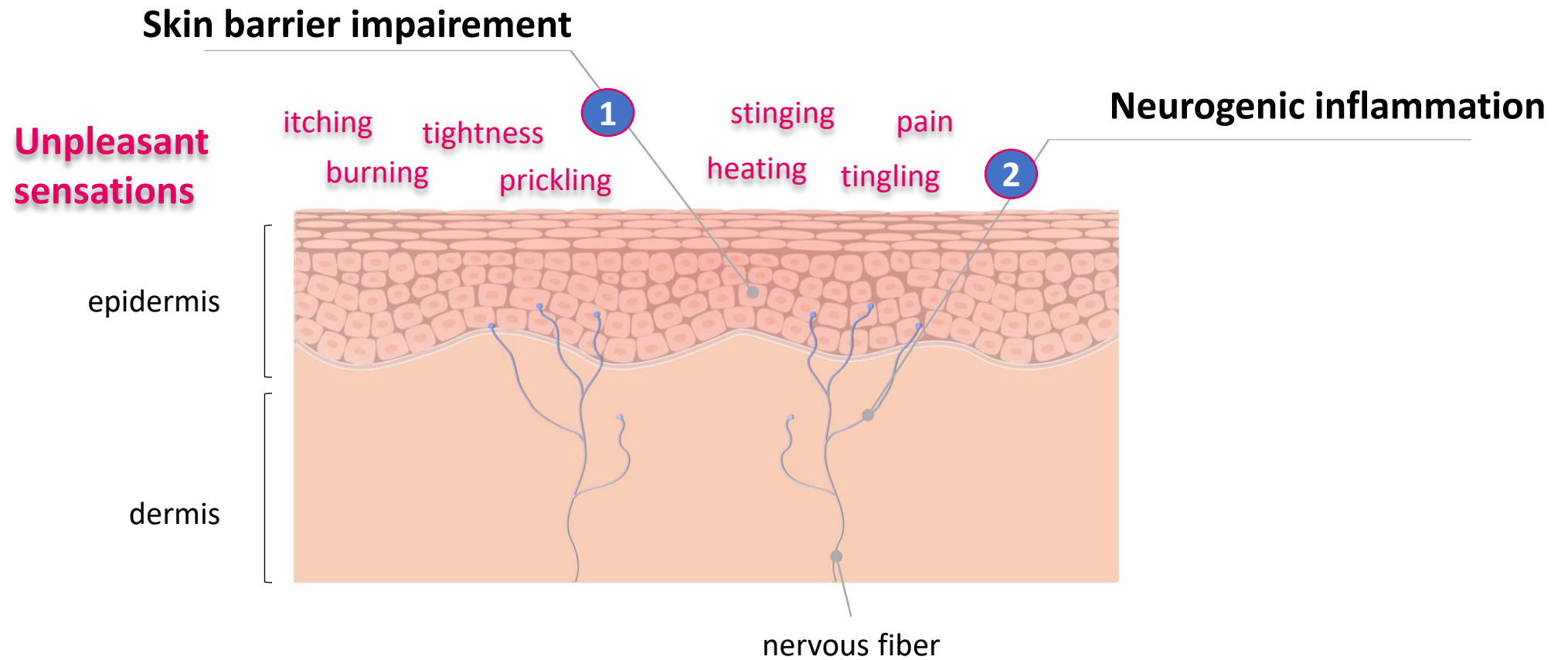


Sensitive skin syndrome



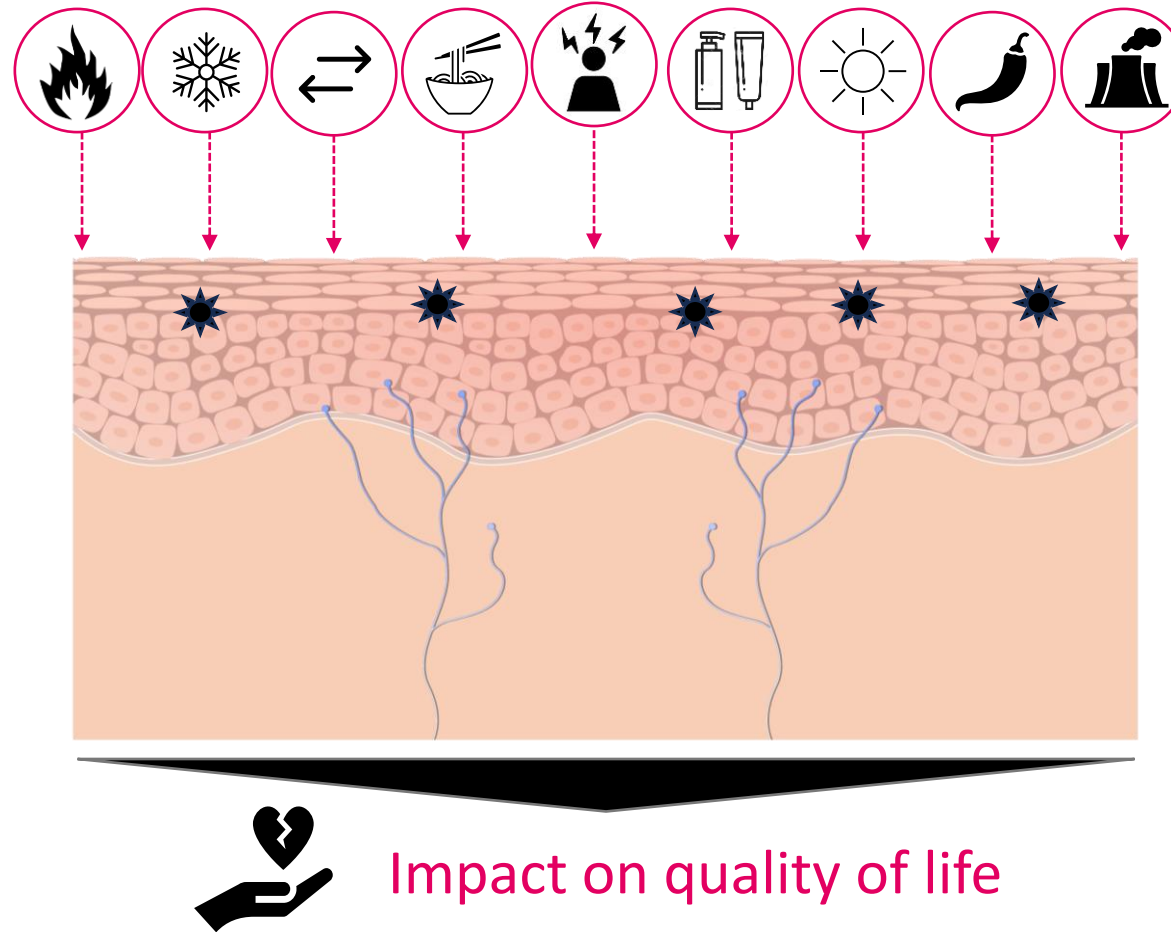
Misery L, *ActaDV* 2017
Wollenberg A, *JEADV* 2022

Sensitive skin syndrome



Misery L, *ActaDV* 2017
Wollenberg A, *JEADV* 2022

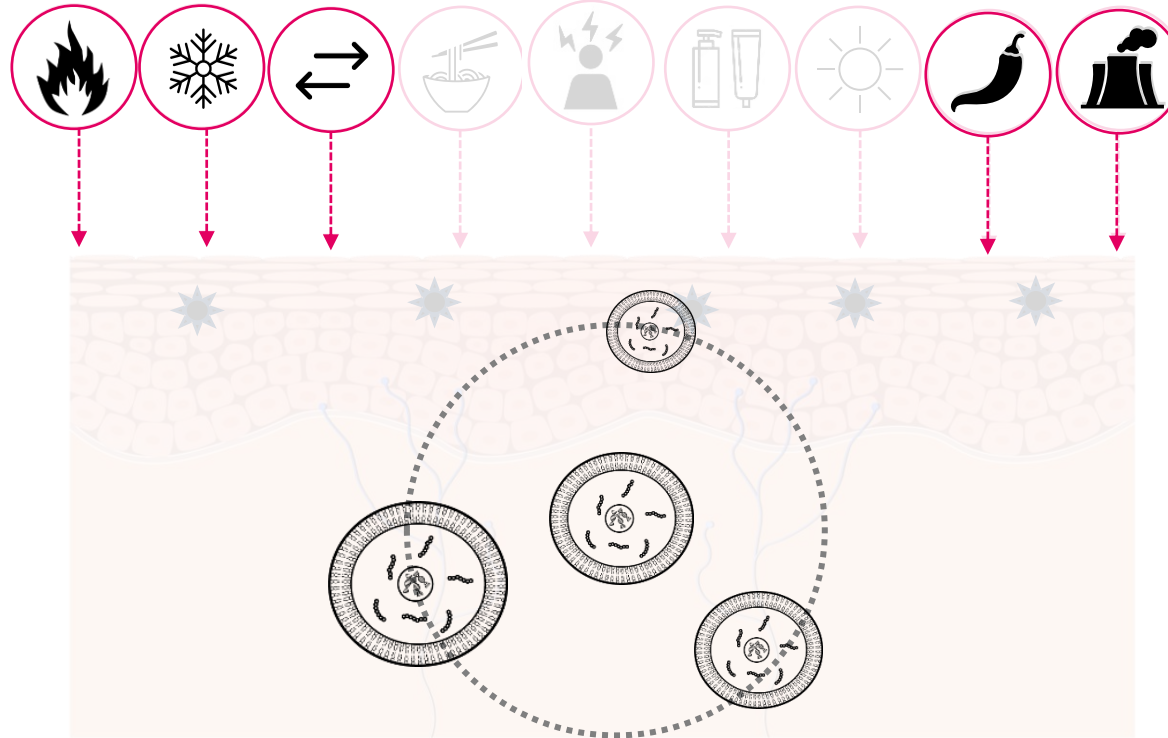
Triggering factors



Brenaut E, *JEADV* 2020
Wollenberg A, *JEADV* 2022

An ecobiological research project

**Physical
factors**



**Chemical
factors**

The skin as an ever-evolving ecosystem



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#1 Clinical study under mechanical stress conditions: stripping test

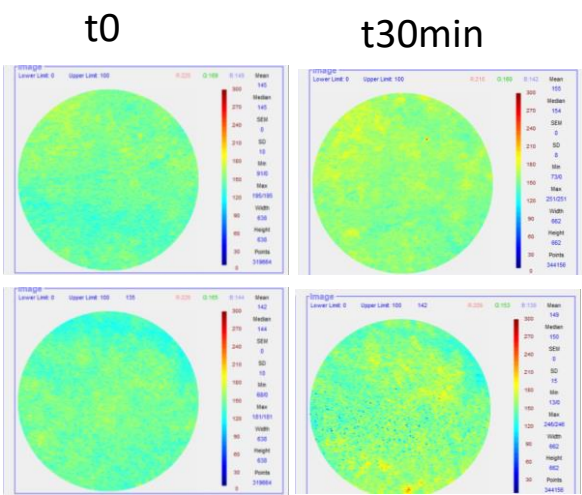


Open intra-individual study | 22 women | 18 to 60 years old | Stripping induced erythema | Image acquisitions of the microcirculation 30' after stripping followed by product application

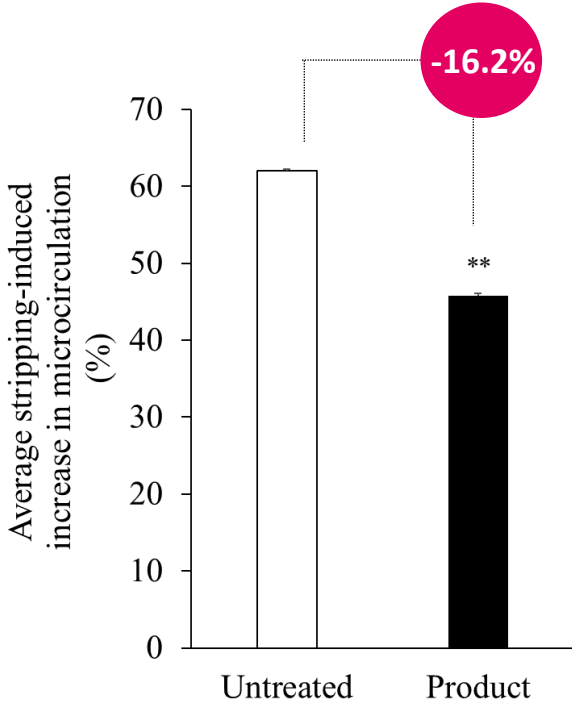


Untreated

Product



Best case



► The product shows a **strong soothing effect**

#2 Clinical study under heat-cold stress conditions



Randomized intra-individual study under dermatological control | 30 women with sensitive skin and BoSS ≥ 20 | 25 to 50 years old | Twice daily application for 28 days | Heat-cold cycles monitored by a thermal camera



Tightness
+
Prickling
+
Burning
+
Heating
+
Redness
=
Global score of unpleasant symptoms

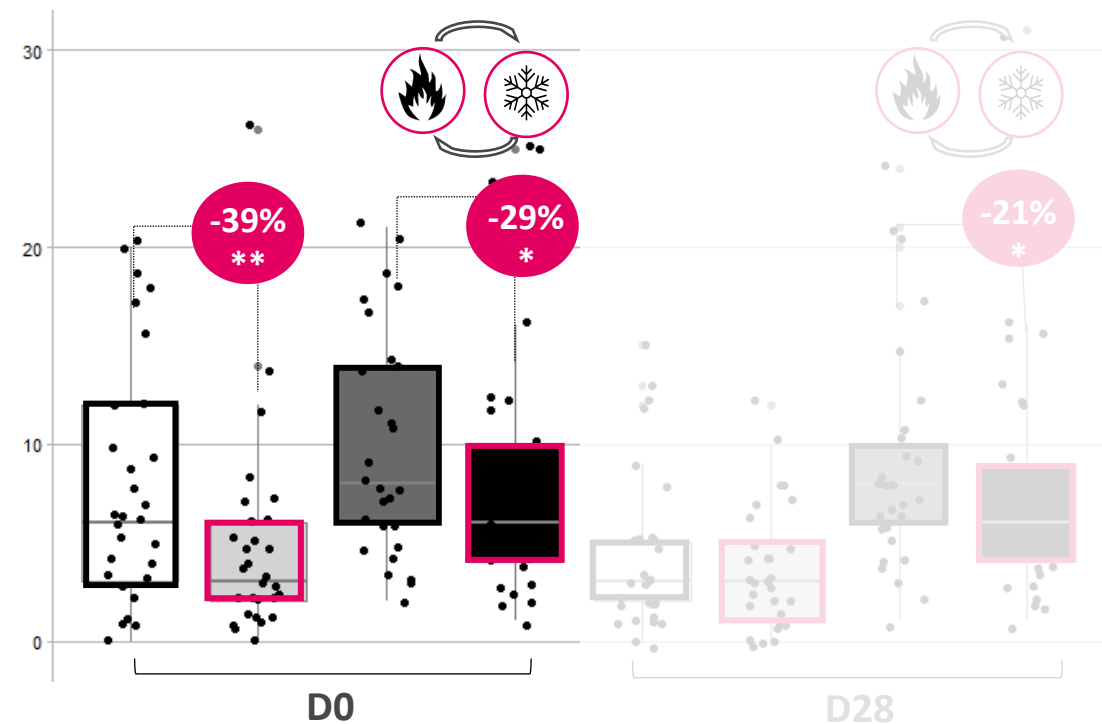
#2 Clinical study under heat-cold stress conditions



Randomized intra-individual study under dermatological control | 30 women with sensitive skin and BoSS ≥ 20 | 25 to 50 years old | Twice daily application for 28 days | Heat-cold cycles monitored by a thermal camera



Tightness
+
Prickling
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Burning
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Redness
=
Global score of unpleasant symptoms



► The product **globally improves the unpleasant symptoms** associated with sensitive skin



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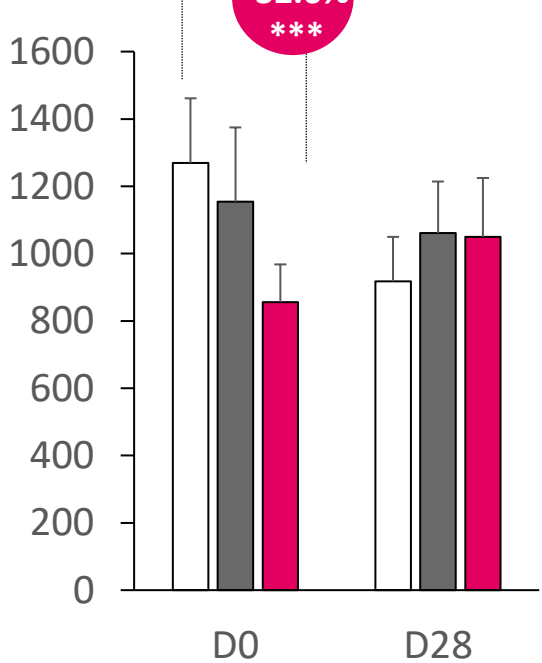
#2 Clinical study under heat-cold stress conditions



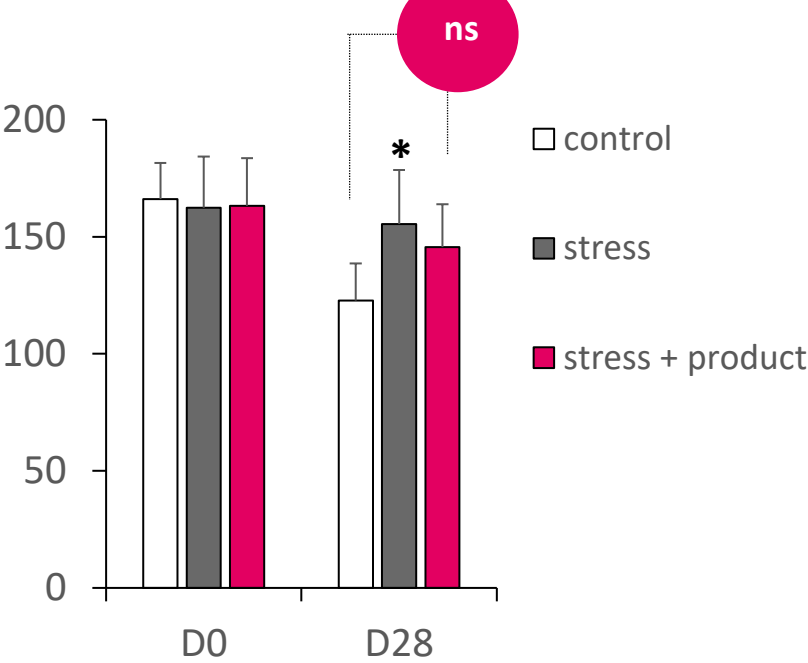
Randomized intra-individual study under dermatological control | 30 women with sensitive skin and BoSS ≥ 20 | 25 to 50 years old | Twice daily application for 28 days | Heat-cold cycles monitored by a thermal camera



IL-1 α (pg/mg)



S100A8/9 (ng/mg)

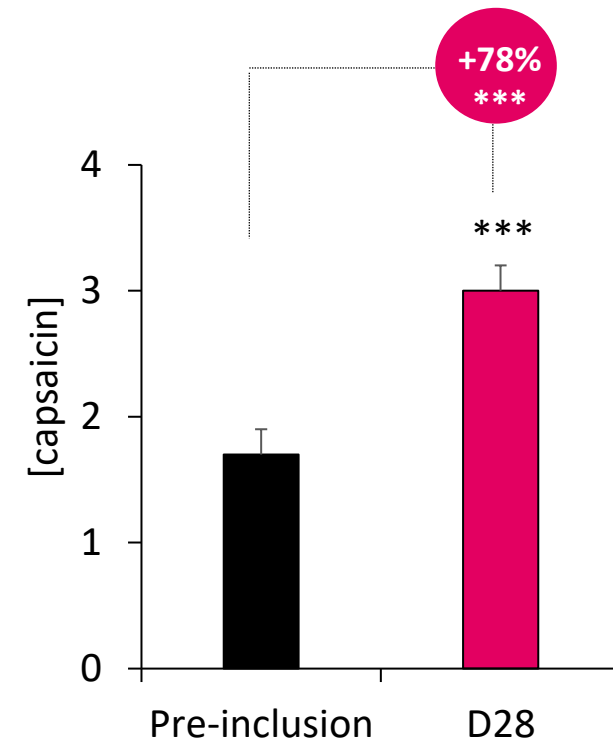
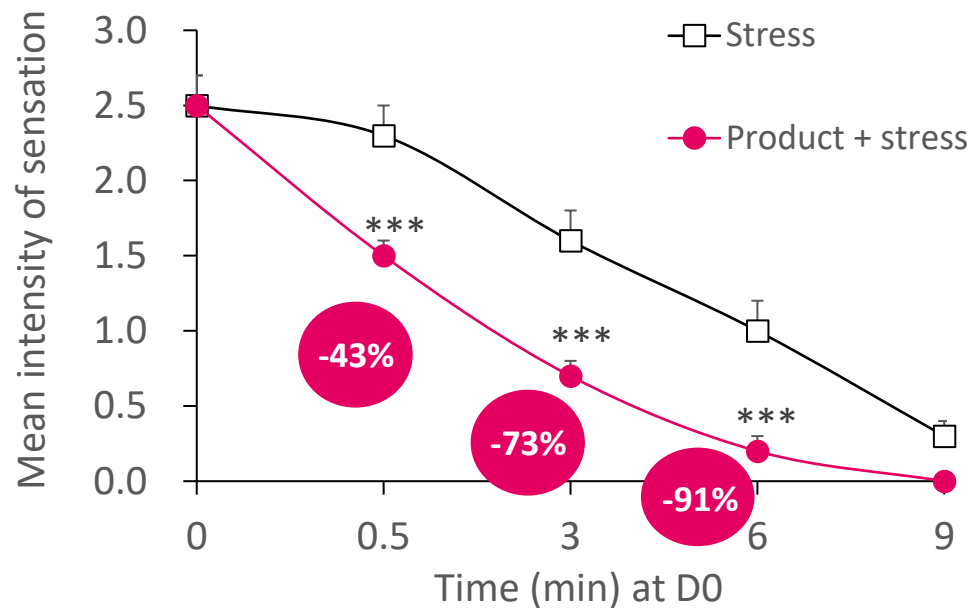


► The product decreases biomarkers associated with inflammation

#3 Clinical study under irritant stress conditions: capsaicin test



Open intra-individual study under dermatological control | 22 women sensitive and reactive to capsaicin | 18 to 60 years old | Twice daily application for 28 days | Self-assessment

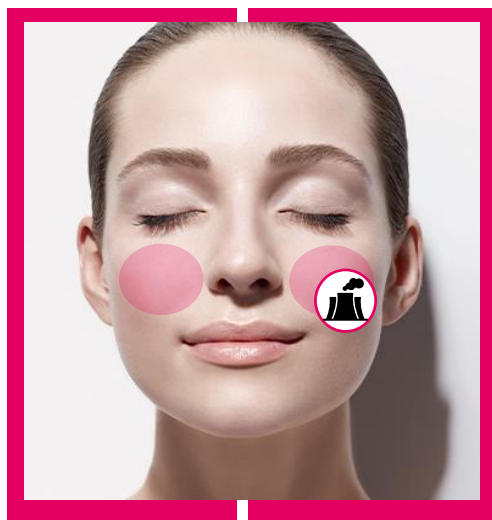


► The product **increases irritant tolerance threshold**

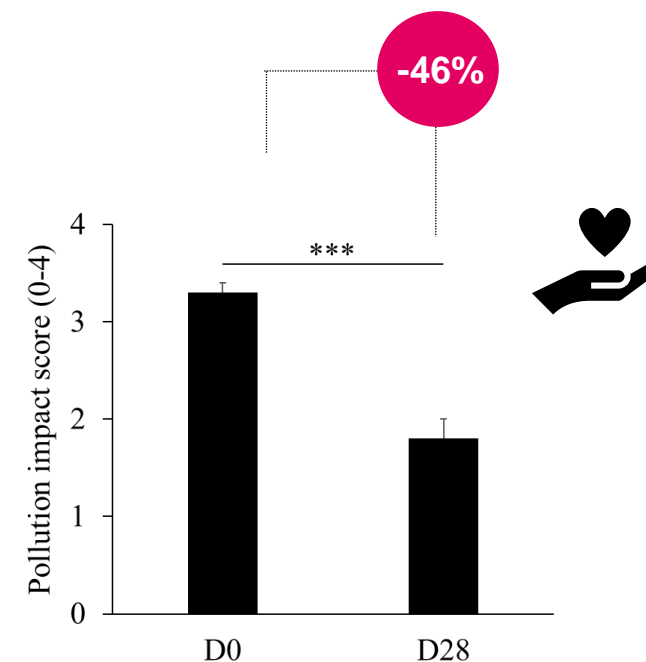
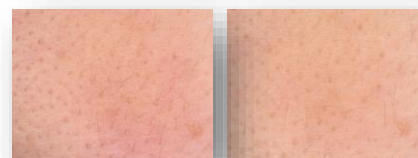
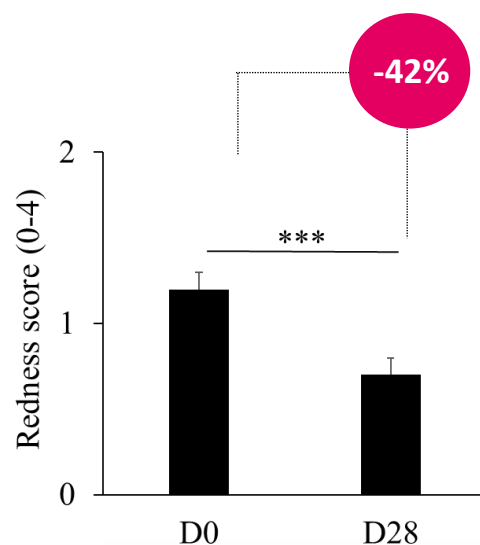
#4 Clinical study under chemical stress conditions: pollution



Open intra-individual study under dermatological control | 33 women with sensitive skin and BoSS ≥ 20 | reactive redness related to pollution | 25 to 50 years old | Twice daily application for 28 days



*Best case C-Cube 2®
Dermoscope*

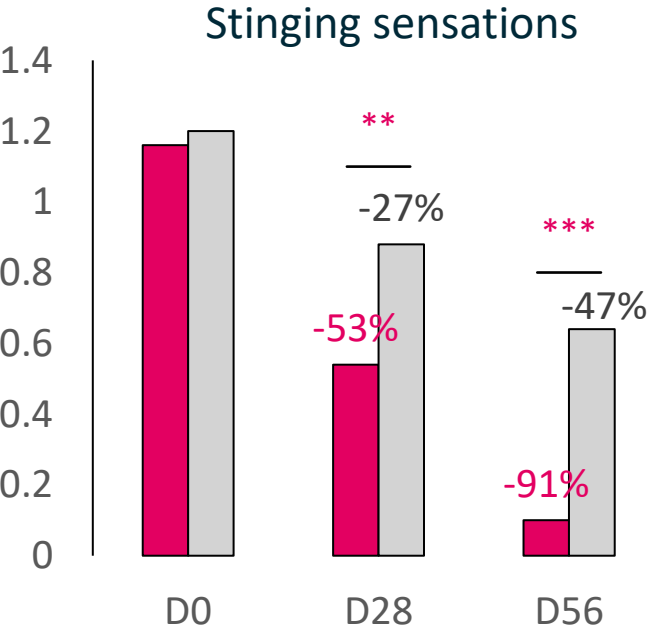
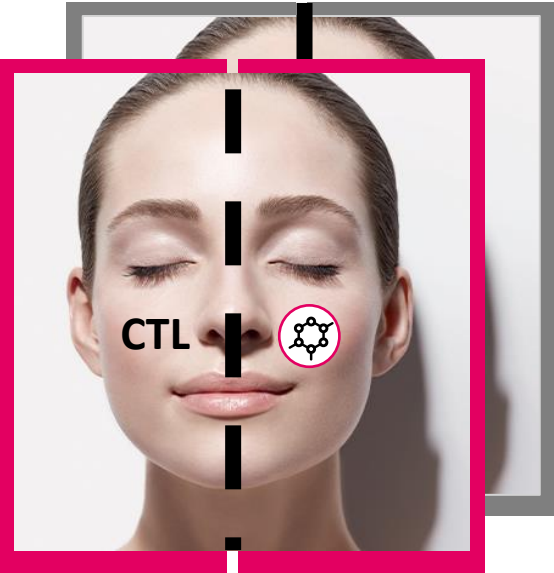


► The product **improves skin appearance and quality of life** impacted by polluted environment

#5 Clinical study under chemical stress conditions: lactic acid stinging test

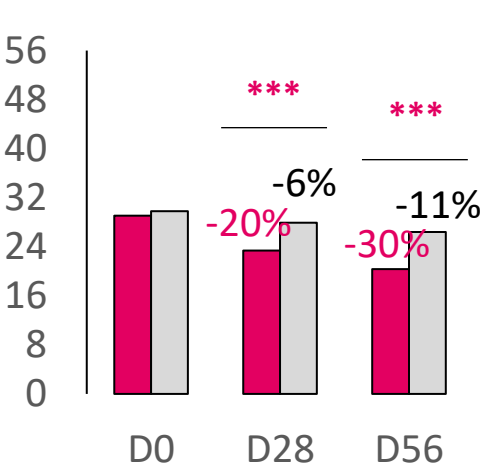


Randomized comparative study under dermatological control versus placebo | 100 women with sensitive skin and BoSS ≥ 20 | 25 to 50 years old | Twice daily application for 56 days | Self-assessment



THE BOSS QUESTIONNAIRE

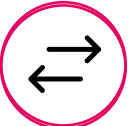





Misery L, JEADV 2018



► The product improves sensory sensations and quality of life better than a placebo

Take home message

Management of triggering factors effect by an ecobiological approach...

		IMMEDIATE EFFICACY	LASTING EFFICACY
Physical factors		<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Chemical factors		<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input checked="" type="checkbox"/>

...for a better quality of life





Management of several triggering factors in sensitive skin syndrome with an ecobiological dermo-cosmetic product

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Manuscript in progress

Thank you for your attention



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