IMPACT OF BIOME BALANCING

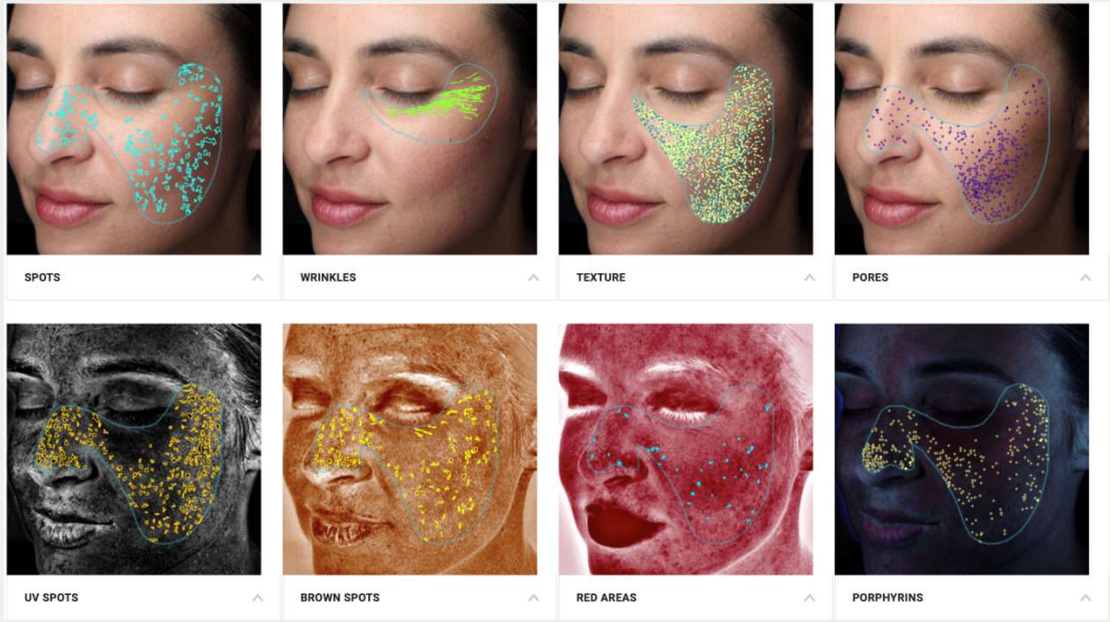
BALANCE THE SKIN MICROBIOME

SIV™

SPORE BASED BIOME BALANCING SERUM

THE NEW ESSENTIAL FOR ALL SKIN TYPES

VISIA®
COMPLEXION ANALYSIS

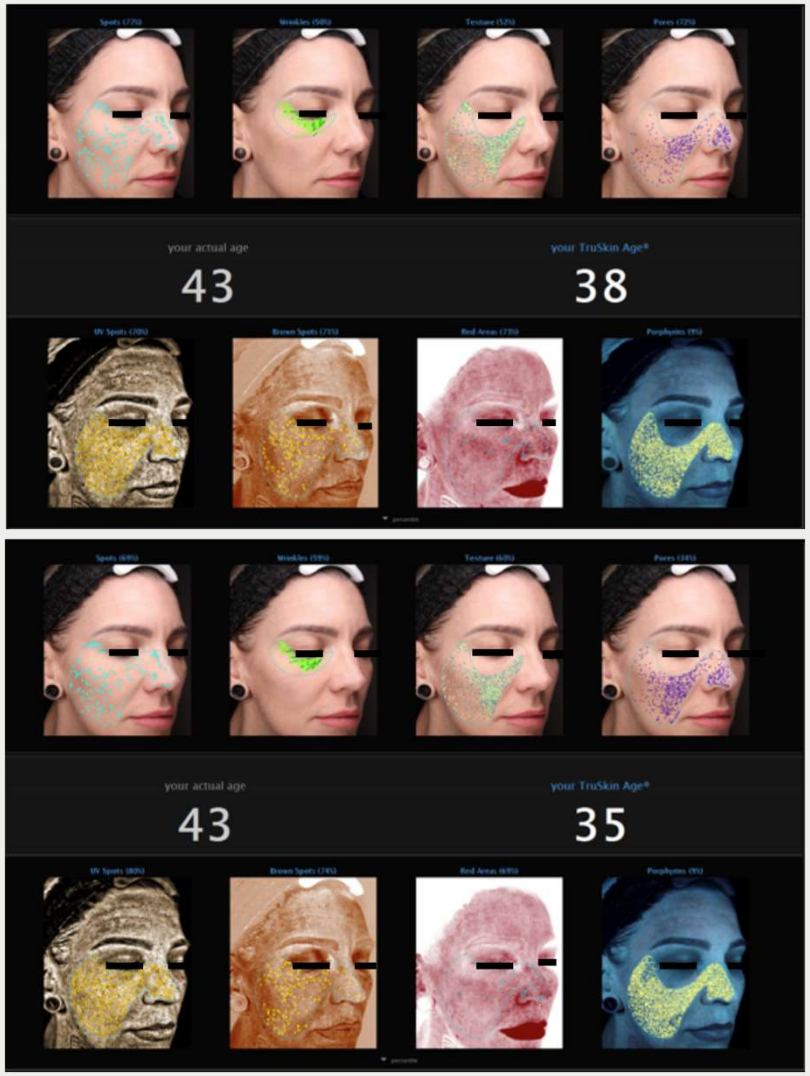


The **VISIA** skin analysis imaging system captures high quality, standardized facial images & imaging software provides quantitative skin analysis.

Capturing- VISIA's capture module rotates around the stationary subject to capture left, right and frontal facial views.

Percentile Scores- Measure spots, wrinkles, texture, pores, UV spots, brown spots, red areas, and porphyrins. Percentiles provide a context in which to evaluate a client's complexion analysis results by presenting a comparison of the individual's Absolute Scores to those of people with similar characteristics. Percentiles are useful in providing a baseline assessment of the overall condition of the client's complexion.

CLIENT 1- USED SIV'S BIOME BALANCING SERUM FOR 30 DAYS



3 YEARS
OFF TRUSKIN AGE® IN 30 DAYS

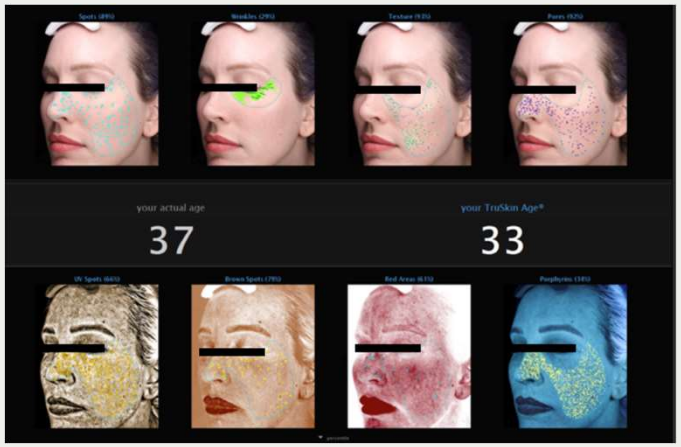
TRUSKIN AGE®

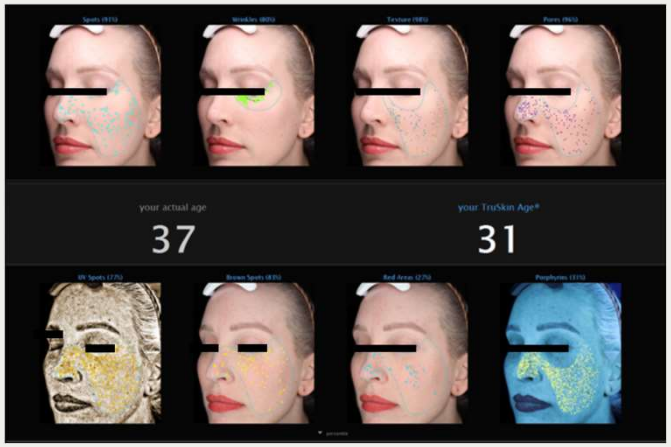
Determines the patient's overall skin condition and age. Compares a patient's facial skin features to a vast database of their peers to calculate their relative skin age.

ESTHETICIAN @selfish.skinandwellness

*Esthetician achieved VISIA results accomplished in part by incorporating SIV's Biome Balancing Serum into their clients' skincare routines for 30 days.

CLIENT 2- USED SIV'S BIOME BALANCING SERUM FOR 30 DAYS





11%
UV SPOT IMPROVEMENT

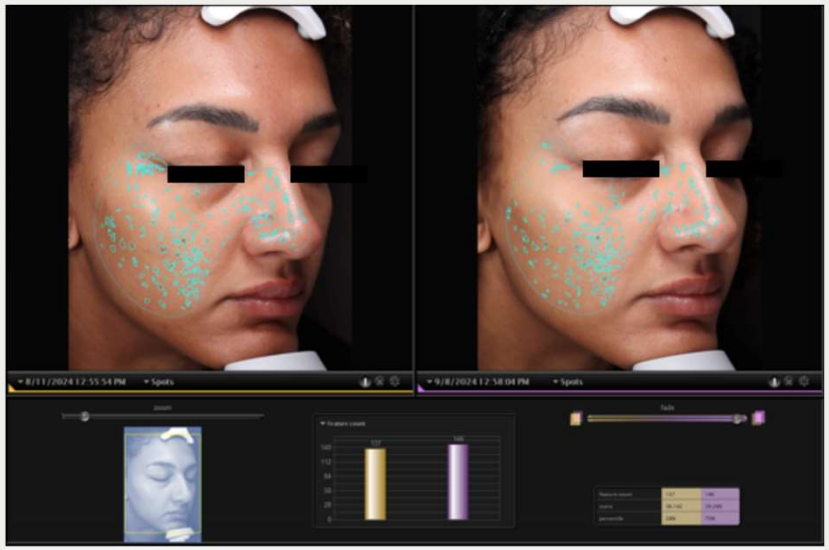
2 YEARS
OFF TRUSKIN AGE® IN 30 DAYS

UV spots occur when melanin coagulates below the skin surface because of sun damage. UV spots are generally invisible under normal lighting conditions. The selective absorption of the UV light by the epidermal melanin enhances its display and detection by VISIA.

ESTHETICIAN @selfish.skinandwellness

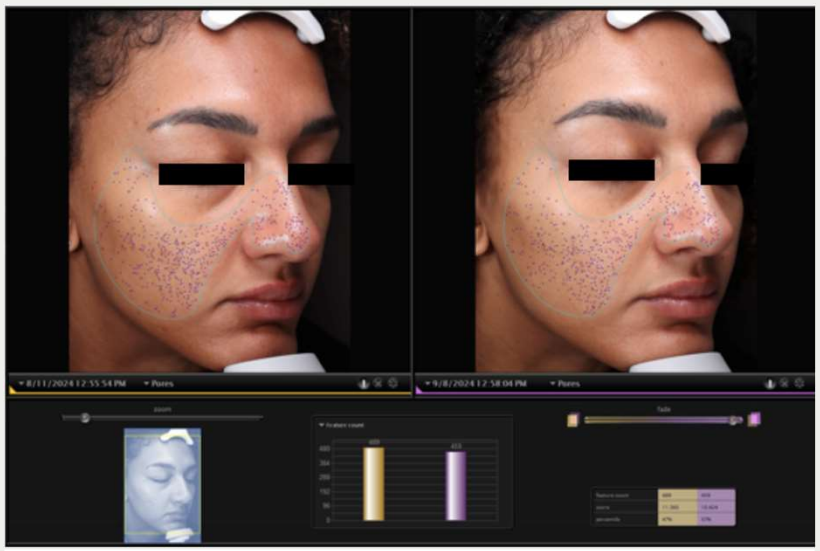
*Esthetician achieved VISIA results accomplished in part by incorporating SIV's Biome Balancing Serum into their clients' skincare routines for 30 days.

CLIENT 3- USED SIV'S BIOME BALANCING SERUM FOR 30 DAYS



47% SPOT IMPROVEMENT

Spots are typically brown or red skin lesions including freckles, acne scars, hyper-pigmentation and vascular lesions. Spots are distinguishable by their distinct color and contrast from the background skin tone. Spots vary in size and generally have a circular shape.



10% PORE IMPROVEMENT

Pores are the circular surface openings of sweat gland ducts. Due to shadowing, pores appear darker than the surrounding skin tone and are identified by their darker color and circular shape. The VISIA system distinguishes pores from spots based on size; by definition, the area of a pore is much smaller than a spot.

ESTHETICIAN @selfish.skinandwellness

*Esthetician achieved VISIA results accomplished in part by incorporating SIV's Biome Balancing Serum into their clients' skincare routines for 30 days.

PARTICIPANT 1

Baseline		
Bacteria | Name	**Taxonomy Id**	**Relative Abundance**
Propionibacteriaceae	31957	65.74%
Corynebacterium ureicelerivorans	401472	8.01%
Meiothermus silvanus DSM 9946	526227	6.33%
Pseudomonas sp. phDV1	253237	2.99%
Corynebacterium mucifaciens	57171	2.72%

Day 14		
Bacteria | Name	**Taxonomy Id**	**Relative Abundance**
Roseomonas sp. FDAARGOS_362	2018065	74.93%
Meiothermus silvanus DSM 9946	526227	6.76%
Pyrinomonas methylaliphatogenes	454194	2.24%
Dermacoccus sp. CCH2-D9	1768779	1.72%
Corynebacterium mucifaciens	57171	1.67%

Baseline		
Dark Matter | Name	**Taxonomy Id**	**Relative Abundance**
Cutibacterium acnes	1747	59.64%
Staphylococcus epidermidis	1282	5.32%
Uncultured Corynebacterium sp.	159447	4.61%
Uncultured Bifidobacterium sp.	165187	4.05%
Bifidobacterium longum	216816	3.38%

Day 14		
Dark Matter | Name	**Taxonomy Id**	**Relative Abundance**
Rhodocyclaceae bacterium	1898103	30.44%
Dermacoccus sp. UBA1591	1946405	15.97%
Cutibacterium acnes	1747	13.27%
Micrococcus luteus	1270	7.93%
Uncultured Corynebacterium sp.	159447	6.22%

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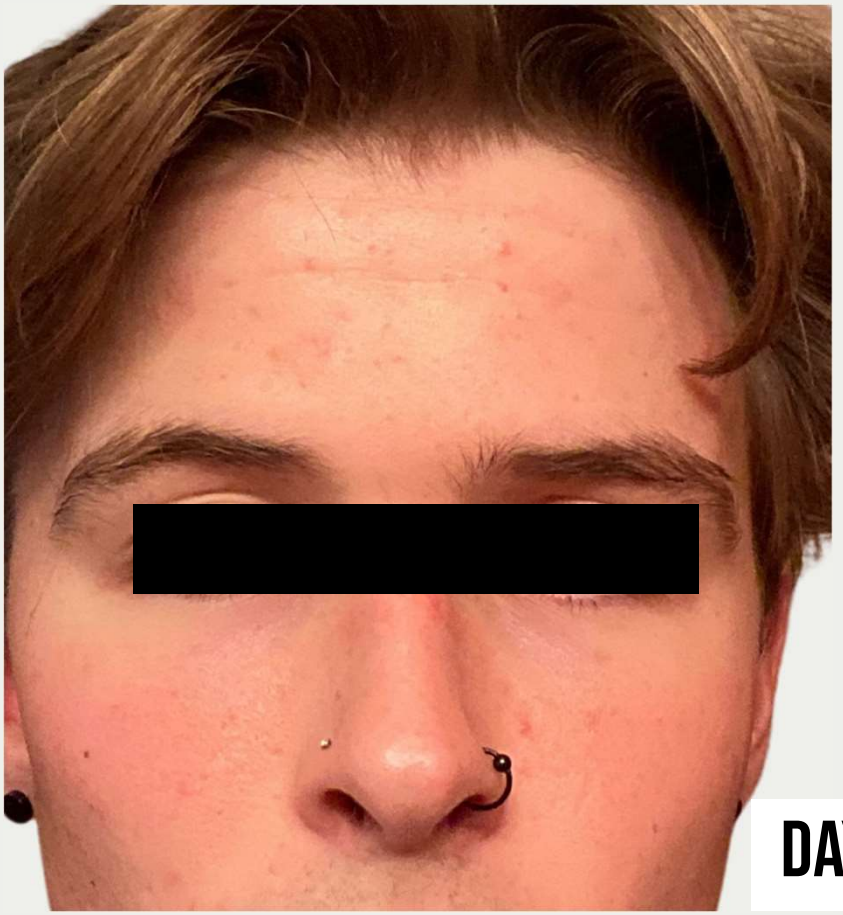
PARTICIPANT 1

BASELINE



DAY 60

Reduced inflammation & blemish count

Regulated oil level

Improved skin tone, texture, and clarity

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PARTICIPANT 2

Baseline

Bacteria | Name	Taxonomy Id	Relative Abundance
Peptoniphilus lacrimalis DNF00528	1401070	23.63%
Propionibacterium sp. KPL1844	1203573	13.71%
Corynebacterium ureicelerivorans	401472	12.73%
Lactococcus lactis subsp. cremoris	1359	10.40%
Cutibacterium granulosum DSM 20700	1160719	9.53%
Streptococcus infantis ATCC 700779	889204	6.10%

Baseline

Dark Matter | Name	Taxonomy Id	Relative Abundance
Uncultured streptococcus sp.	83427	37.90%
Alistipes	239759	25.06%
Micrococcus luteus	1270	15.38%
Cutibacterium acnes	1747	14.36%
Alistipes communis	2585118	3.62%

Day 14

Bacteria | Name	Taxonomy Id	Relative Abundance
Bacillus coagulans	1398	66.22%
Bacillus amyloliquefaciens	1390	16.66%
Staphylococcus epidermidis	1282	5.06%
Streptococcus sp. OH4692_COT-348	2491052	4.90%
Meiothermus silvanus DSM 9946	526227	0.71%

Day 14

Dark Matter | Name	Taxonomy Id	Relative Abundance
Uncultured streptococcus sp.	83427	26.44%
Bacillus amyloliquefaciens	1390	23.60%
Cutibacterium acnes	1747	11.79%
Bacillus sp. (in: Bacteria)	1409	11.56%
Bacillus pumilus	1408	10.75%
Staphylococcus epidermidis	1282	8.88%

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PARTICIPANT 2

BASELINE

DAY 14

Reduction in number of acne lesions

Reduced inflammation

Improved skin tone, texture, & clarity

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BASELINE

DAY 30

Reduced lesion count & redness

Improved hydration levels

Improved skin tone, texture, and clarity

SIV™

BASELINE

DAY 10

Only SIV & Sunscreen

Reduced lesion count & redness

Improved hydration levels

Improved skin tone, texture, and clarity

SIV™

BASELINE

DAY 90

Reduced lesion count

Reduced redness

Improved skin clarity & tone

SIV™

BASELINE

DAY 30

Reduced lesion count

Reduced redness

Improved skin clarity & tone

SIV™

BASELINE

DAY 14

Reduced lesion count

Reduced redness

Improved skin clarity & tone

SIV™

BASELINE

DAY 14

Improved hydration

Reduced redness

Improved skin clarity & tone

SIV™

BASELINE **DAY 7**

Reduced redness

Improved skin clarity & tone

SIV™

BASELINE **DAY 7** **DAY 14**

Reduced lesion count

Reduced redness

Improved skin clarity & tone

SIV™

BASELINE

DAY 14

Reduced redness
Reduced flakiness
Improved skin tone and texture

SIV™

BASELINE

DAY 60

Reduced lesion count

Reduced redness

Improved skin clarity & tone

SIV™

BASELINE

DAY 30

Reduced lesion count
Reduced redness
Improved skin clarity & tone

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NEW CONSUMER STUDY RESULTS

317 participant third-party consumer study on our Biome Balancing Serum

DURATION	30 DAYS
LOCATION	UNITED STATES
AGE	18-24: 7% 25-35: 61% 36-42: 32%
PARTICIPANTS	FEMALE- 95% MALE- 4%

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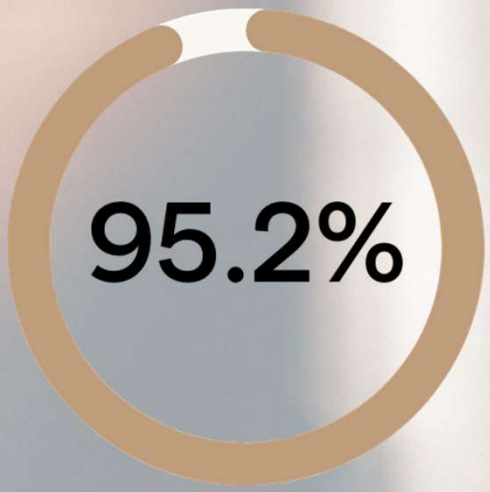
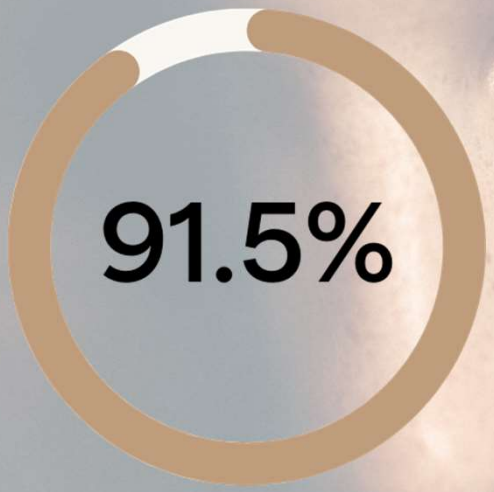
CONSUMER STUDY RESULTS



HYDRATION

95.2% OF USERS REPORTED IMPROVED HYDRATION



YOUTHFUL

91.5% OF USERS AGREE THAT SIV MADE THEIR SKIN LOOK MORE YOUTHFUL

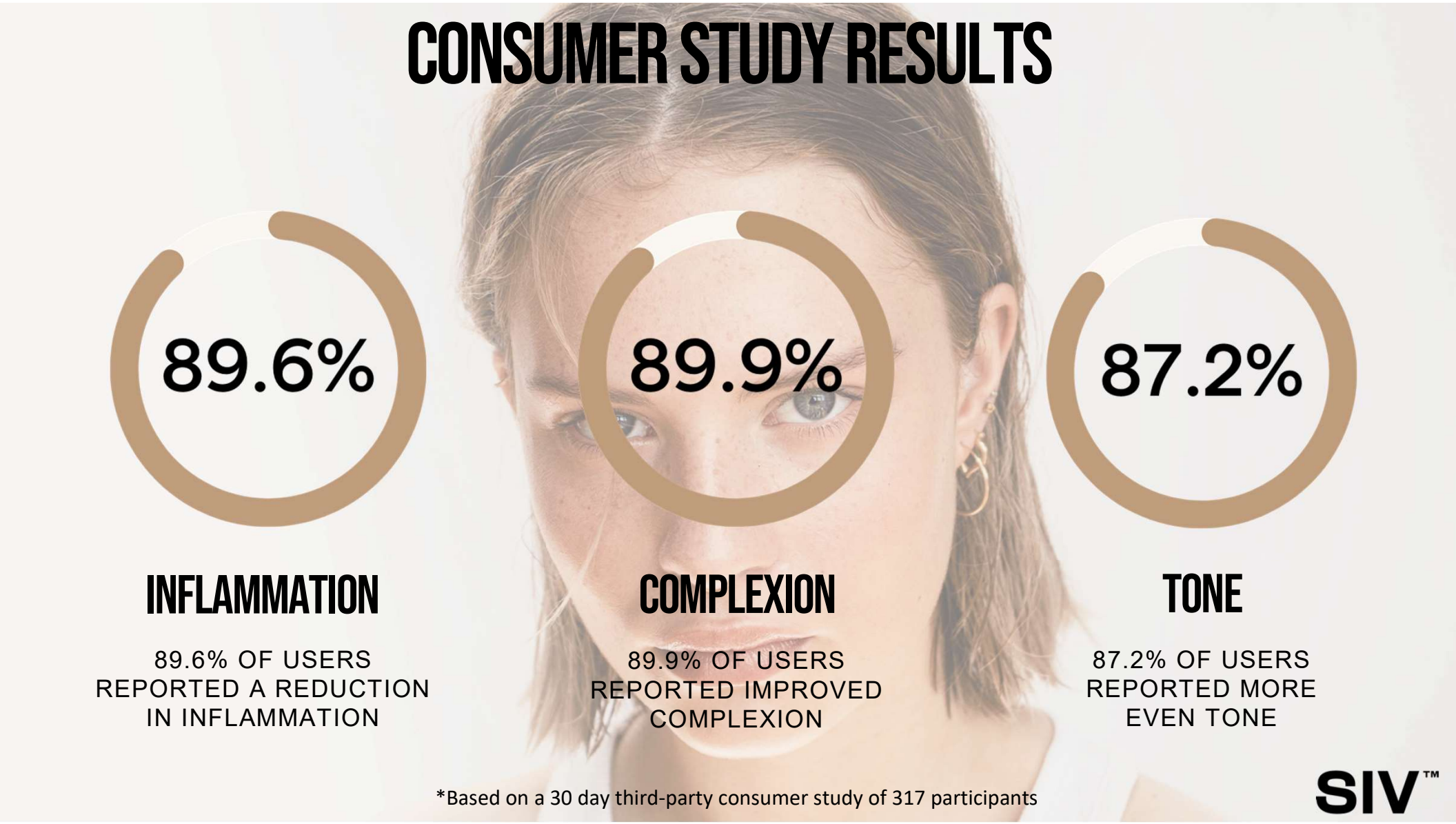
NOURISHED

93.9% OF USERS AGREED SIV HELPED THEIR SKIN FEEL MORE NOURISHED

*Based on a 30 day third-party consumer study of 317 participants

SIV™

CONSUMER STUDY RESULTS



INFLAMMATION

89.6% OF USERS REPORTED A REDUCTION IN INFLAMMATION

COMPLEXION

89.9% OF USERS REPORTED IMPROVED COMPLEXION

TONE

87.2% OF USERS REPORTED MORE EVEN TONE

*Based on a 30 day third-party consumer study of 317 participants

SIV™

NON-COMEDOGENIC STUDY

We strive to bridge the gap between skincare and science.

STUDY DESIGN

Single blind, single center. Open assessment of Comedogenic potential. ‘Blind’ assessment of follicular biopsies.

PARTICIPANTS

30 Healthy volunteers aged at least 18 years old who have the propensity to form microcomedones

DURATION

Patches applied over a four-week period on participants’ back

OBJECTIVE

The objective of this research study is to determine whether Biome Balancing Serum causes blackheads compared to known controls.

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NON-COMEDOGENIC
NON-COMEDOGENIC


SIV™
BIOME BALANCING
SERUM 0.5 fl.oz / 15 mL

DERMATOLOGICAL PATCH TESTING HRIPT

HRIPT (HUMAN REPEAT INSULT PATCH TEST)

We strive to bridge the gap between skincare and science.

STUDY DESIGN

Single-blind.

PARTICIPANTS

Healthy male and female volunteers, aged at least 18 years. 100 participants. (50% Sensitive Skin), all skin types (mix of dry/normal/oily)

DURATION

6 weeks. Patches will be applied to the upper back of all subjects on specific days for the duration of 6 weeks. Patches in place for 47 hours or 71 hours depending on the day patched then to remove and discard.

OBJECTIVE

The objective of this study is to investigate the irritation and sensitization potential of multiple test articles, in a shared panel of healthy volunteers by means of repeated cutaneous patch applications under occlusion.

SIV™


DERMATOLOGIST APPROVED
DERMATOLOGIST APPROVED


NON-IRRITATING
NON-IRRITATING


SUITABLE FOR ALL SKIN TYPES
(DRY/NORMAL/OILY)


ALLERGY TESTED
ALLERGY TESTED


CLINICALLY PROVEN
CLINICALLY PROVEN


DERMATOLOGICALLY TESTED
DERMATOLOGICALLY TESTED


CLINICALLY TESTED
CLINICALLY TESTED


KIND TO SKIN
KIND TO SKIN


SAFE FOR SKIN
SAFE FOR SKIN


SAFE FOR SENSITIVE SKIN
SAFE FOR SENSITIVE SKIN


HYPOALLERGENIC
HYPOALLERGENIC

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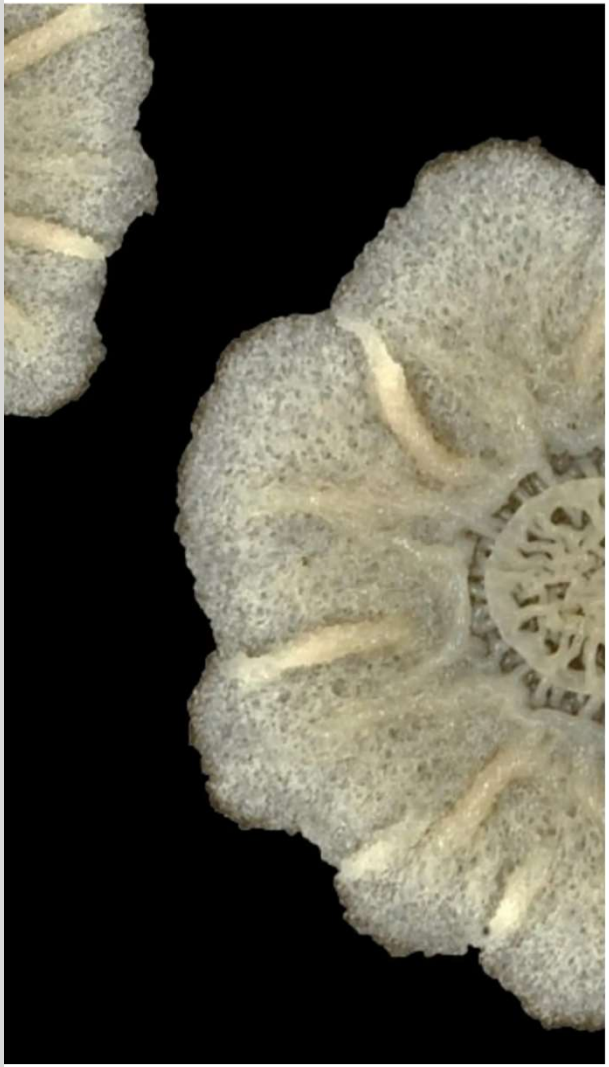
QUORUM-SENSING TECHNOLOGY

Quorum sensing allows bacteria, such as Bacillus spores, to read microbial signatures and in response produce virulence factors, form biofilms, and regulate gene expression to balance out the skin microbiome.

SIV's Spore Based Biome Balancing Serum adapts to your specific skin microbiome to help build resilience with a healthy skin foundation.



SIV™

BUILDS RESILIENCE

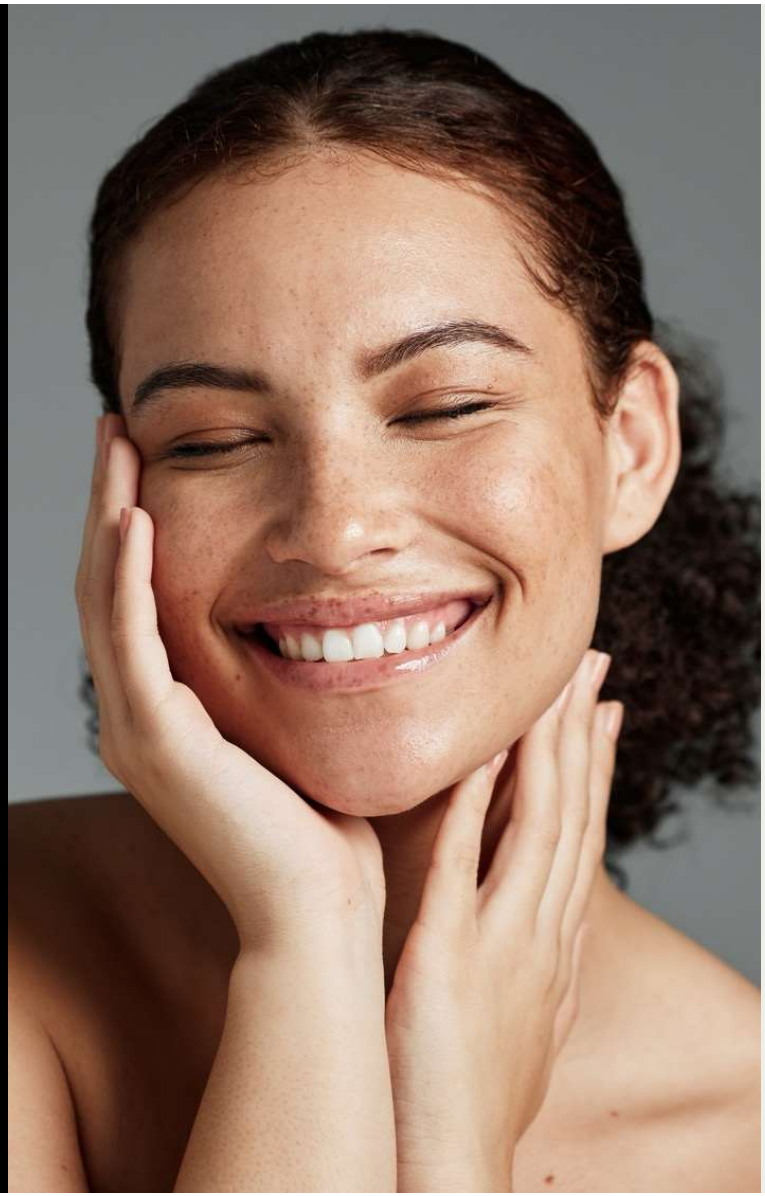
Establishes a healthy skin foundation

DELIVERS RELIEF

Targeted serum that supports the restoration of your microbiome to promote healthy-looking skin

SUPPORTS BALANCE

Adapts to your unique skin biome to calm and soothe irritated skin



BENEFITS

SIV™


APPLICABLE TO ALL
NO CONTRAINDICATIONS
EASE OF USE – ONCE A DAY APPLICATION
EFFECTIVE WITH RAPID RESULTS
SIV™

SQUALANE

Biomimetic oil, molecule derived from non-GMO sugarcane that mimics squalene, beneficial in promoting skin hydration

CAPRYLIC/CAPRIC TRIGLYCERIDE

A mixture of caprylic and capric fatty acids derived from coconut oil; help replenish skin's surface and help it to resist moisture loss

GLYCERYL CAPRYLATE

A natural, plant-based, emollient derived from glycerin and plant fatty acids; restores the oils of the skin, regulates the skin moisture and acts as a humidifier to the skin

PROPRIETARY BLEND OF BACILLUS

A proprietary blend of Bacillus spores support a healthy skin foundation and visibly improves skin. Positively influencing your unique skin biome and establishing balance. The spores can help improve the skin microbiome by targeting overgrown bacteria, while facilitating the growth of other essential species- effectively balancing the skin microbiome.

HOW TO USE AT HOME

Step 1- Cleanse

Step 2- Toner

Step 3- Biome Balancing Serum

Step 4- Moisturizer

SIV™

THANK YOU

USE CODE
SHIVAN15
FOR 15% OFF

SIV™

OUR SKIN ECOLOGY

We have about 20 square feet of skin on our bodies which represents one of the largest organs in our system

On that skin we have over 1.5 Trillion resident bacteria and up to 1000 different species

The most common genera on the skin are Propionibacterium, corynebacteria and staphylococci

In addition, we have both transient microbes and resident microbes on the skin. The transient can last from hours to days and the resident microbes are more permanent

The transient microbes, however, can impact the balance of resident microbes

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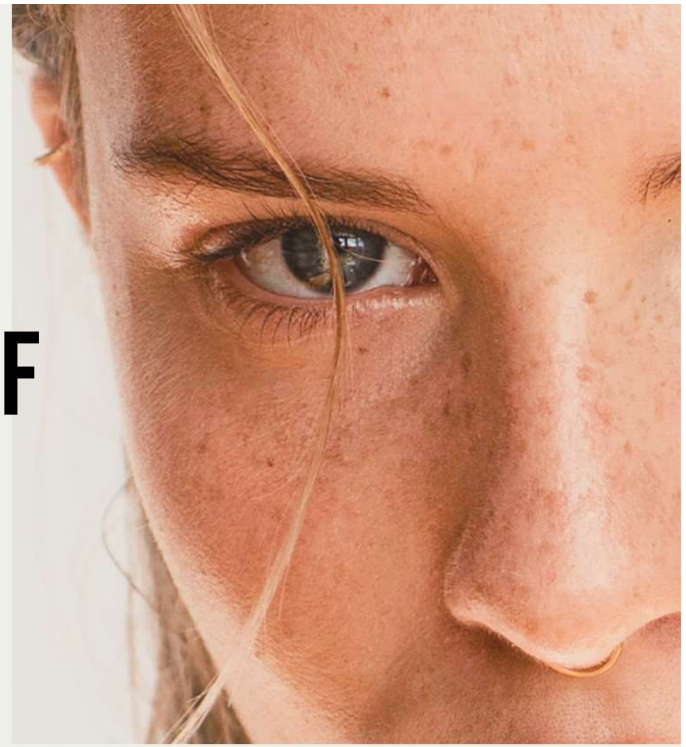
ECOLOGY OF THE FACE

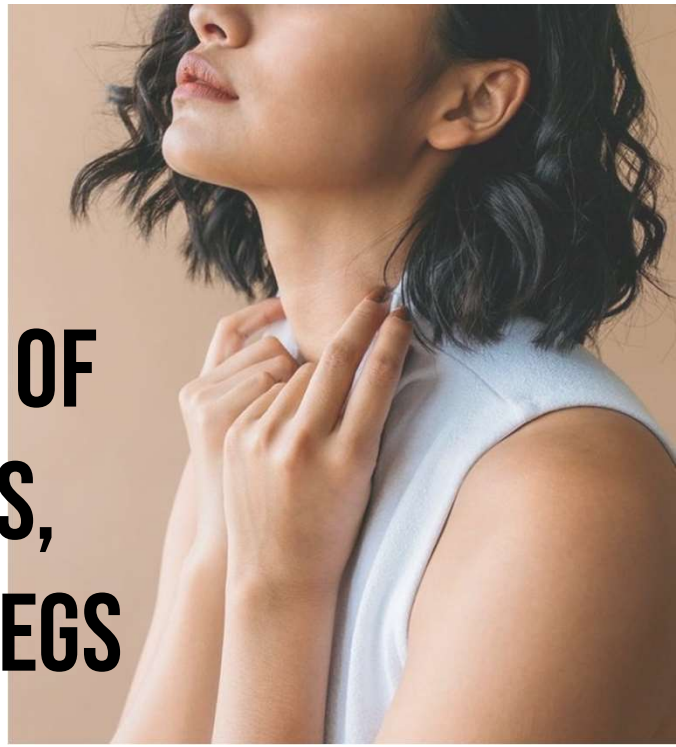


The face is a sebaceous area of the body – high oil levels

The face also has lots of anaerobic environments

Because of the high oils and anaerobic areas, the face has lower diversity with predominantly Propionibacterium as they are lipophilic

ECOLOGY OF THE ARMS, BACK & LEGS



Arms and back are drier with higher diversity

These areas tend to have a mix of Propionibacterium, staphylococcus, micrococcus, corynebacteria and streptococcus

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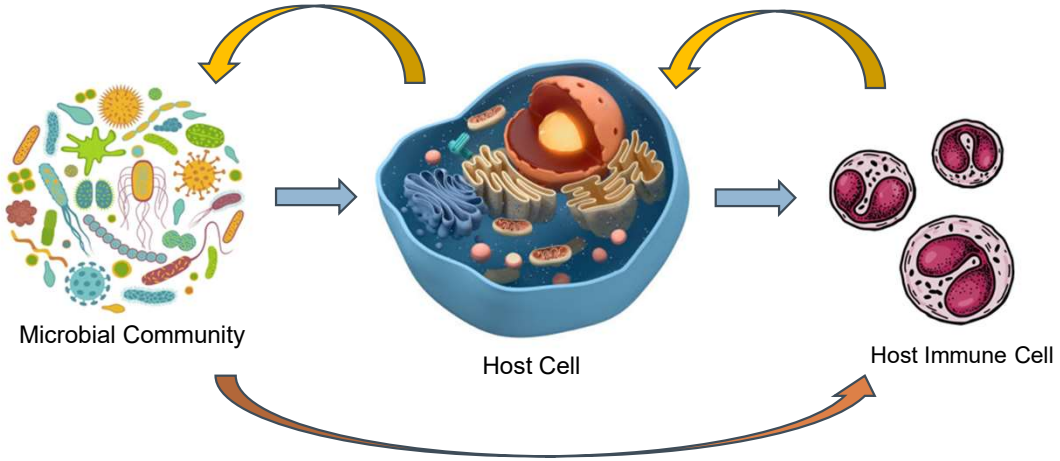
MAJOR DISRUPTORS OR INFLUENCERS OF OUR SKIN ECOLOGY

- AGE
- GENDER
- GENETICS
- ENVIRONMENT (POLLUTANTS, ECOSYSTEM, ETC.)
- CLIMATE
- COSMETICS
- DIET
- HORMONES
- IMMUNE FUNCTION
- LIFESTYLE
- GUT HEALTH

Ecological Disruption of the skin is the primary insult that results in disruption to the appearance and function of skin cells. This is the root cause driver of skin aging and skin disorder

CORE TENANT OF LEAKY SKIN

As the skin microbiome changes, it alters the relationship between the host and the microbes and thereby impacts host Aging and Life Expectancy



- The Immune system of the host modulates the microbial community
- The microbial community and its composition have a great impact on the host's immune system
- Both the immune system and the microbial community impacts the function of the host cell – with skin cells we end up seeing classic aging symptoms as well as inflammatory pathologies
- We end up losing the barrier function of the skin driving systemic inflammation
- Skin Microbiome is arguably the Most Accurate Predictor of Biological Age

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A SCIENTIFIC REVELATION

BLSA BALTIMORE LONGITUDINAL STUDY OF AGING

FUTURE What is BBC Future? Earth Future Planet Health Gap Sustainability on a Shoestring Towards Net Zero More

AGEING

The curious ways your skin shapes your health

(Image credit: Getty Images)

By Zaria Gorvett 23rd August 2023

Weathered or unhealthy skin is emerging as a major risk factor for almost every single age-related disease, from Parkinson's to type 2 diabetes.

I'm canoeing through the Ardèche gorge in southern France – and attracting some peculiar looks. It's early afternoon on a blazing July day, and the sky is a perfect canvas of cobalt blue. Though the river is sheltered on either side by towering cliffs and limestone escarpments up to 300m (980ft) high, the sheer irradiating power of the sun has never been more visible to me. Its rays have turned the surface of the water into a winding path of scintillating light, so bright it blinds you to look at it. And I am taking no chances; I have chosen my outfit with the seriousness of an explorer trekking off into the Sahara.

It turns out skin health can be used to predict a number of seemingly unconnected factors, from your **bone density** to your risk of developing **neurodegenerative diseases** or dying from **cardiovascular disease**. However, as the evidence has begun to add up, the story has taken a surprise twist. Is the skin simply a living tally of the damage we have accumulated, or is it more complicated? Could it, in fact, be keeping healthy people healthy – and dragging unhealthy ones down further?

AGED SKIN DRIVES CHRONIC DISEASE RISK

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EXAMPLES OF COMMON CONDITIONS DRIVEN BY SKIN MICROBIOME DYSBIOSIS

ECZEMA OR ATOPIC DERMATITIS

Driven by an increase in pathogenic bacteria; staphylococcus aureus

PSORIASIS

Driven by a disrupted balance and low diversity with an increase in Corynebacterium, staphylococcus and streptococcus

ACNE

Driven by an increase in commensal cutibacterium acnes

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EXAMPLES OF COMMON CONDITIONS DRIVEN BY SKIN MICROBIOME DYSBIOSIS

AGING – Driven by and increase in Corynebacterium and lowering of Propionibacterium. Decrease in Acinetobacter and increase in Proteobacteria Aging skin is characterized by lowered sebum production, lower hydration and an increase in immune function

These Changes Further Create Cutaneous Microbiota Alterations

↓

Driving Further Microbial Imbalance

↓

Further Aging and Loss of Barrier

↓

Reduced Ability to Protect Against Negative Stimuli like UV Radiation, Blue-light Irradiation, Chemicals, Environment, etc.

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HEALTHY BALANCED SKIN MICROBIOME

BALANCED SKIN	RESULT
Prevents the overgrowth of pathogens thus reduced toxin production and recruitment of immune cells	Skin is resilient with low levels of inflammation and high tolerance for negative stimuli
Produces adequate protease enzyme to help turn over of the stratum corneum	Skin repairs fast, has high glow, fresh look and thicker appearance
Produces adequate lipase enzyme to effectively breakdown and regenerate the lipid layer	Skin maintains moisture, strong barrier resistant to bacterial translocation, resistant to water loss, proper functioning collagen and elastin fibers
Produces Urease, free fatty acids and regulates sebum to manage the pH of the skin	The skin is pH balanced, prevents fungal and yeast overgrowth, preserves collagen and elastin function and concentration. Maintains youthful composition to the skin. Prevents sagging of the skin
Effective quorum sensing and biofilm production. Maintains a healthy balance and drives antioxidant function and quenching of free radicals	Skin is resilient to oxidative stress and damage and prevents skin senescence

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DYSBIOTIC SKIN MICROBIOME

DYSBIOTIC SKIN	RESULT
Pathogen overgrowth, high toxin production and recruitment of immune cells to the skin	Red, Sensitive and Irritated skin highly susceptible to conditions like eczema and acne
Low protease production, skin does not turnover adequately. Accumulation of damaged skin cells	Dull, thin skin
Loss of ceramide and lipid barrier. Skin loses moisture and becomes leaky. Microbes and toxin migrate through driving inflammatory responses	Dry and Irritated skin
Yeast and/or fungal overgrowth, reduction in collagen and elastin function and concentration	Thin skin with wrinkles and fine lines
Skin becomes very susceptible to oxidative damage and accumulates free radicals. UV and other stimulants drive senescence, especially in melanocytes	Discoloration and hyperpigmentation

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