

mesoestetic®

85

Me

**global
antiaging
solutions**

the element for skincare experts

Skin ageing

Skin ageing is a progressive, multifactorial process that begins at the molecular level, advances through cellular changes within the different layers of the skin, and ultimately affects both its appearance and function.

Factors that promote skin ageing



biological factors

Genetics
Age
Hormones
Cellular metabolism



external factors

Tobacco
Pollution
Skin care habits
Sun exposure
Diet
Stress
Blue light

catalysts

They initiate or accelerate biological processes that contribute to skin ageing.



Saturation of the skin's repair and protection processes

Disruption of biological processes

Biological and external factors impact our organism and **alter essential processes** that **weaken the natural mechanisms** of cell regeneration. Over the years, this phenomenon intensifies.



glycation

Sugar molecules bind to structural proteins (collagen and elastin), lipids, and DNA, forming **advanced glycation end products (AGEs)**:

- **AGEs** accumulate in the skin over the years, **accelerating ageing**.

AGEs



oxidation

The **free radicals** (ROS) interact with other molecules to stabilise, causing **oxidative damage to the skin**.

oxidative stress



inflammation

It is the **biological defence response** against processes such as **glycation and oxidation** that occur in the skin.

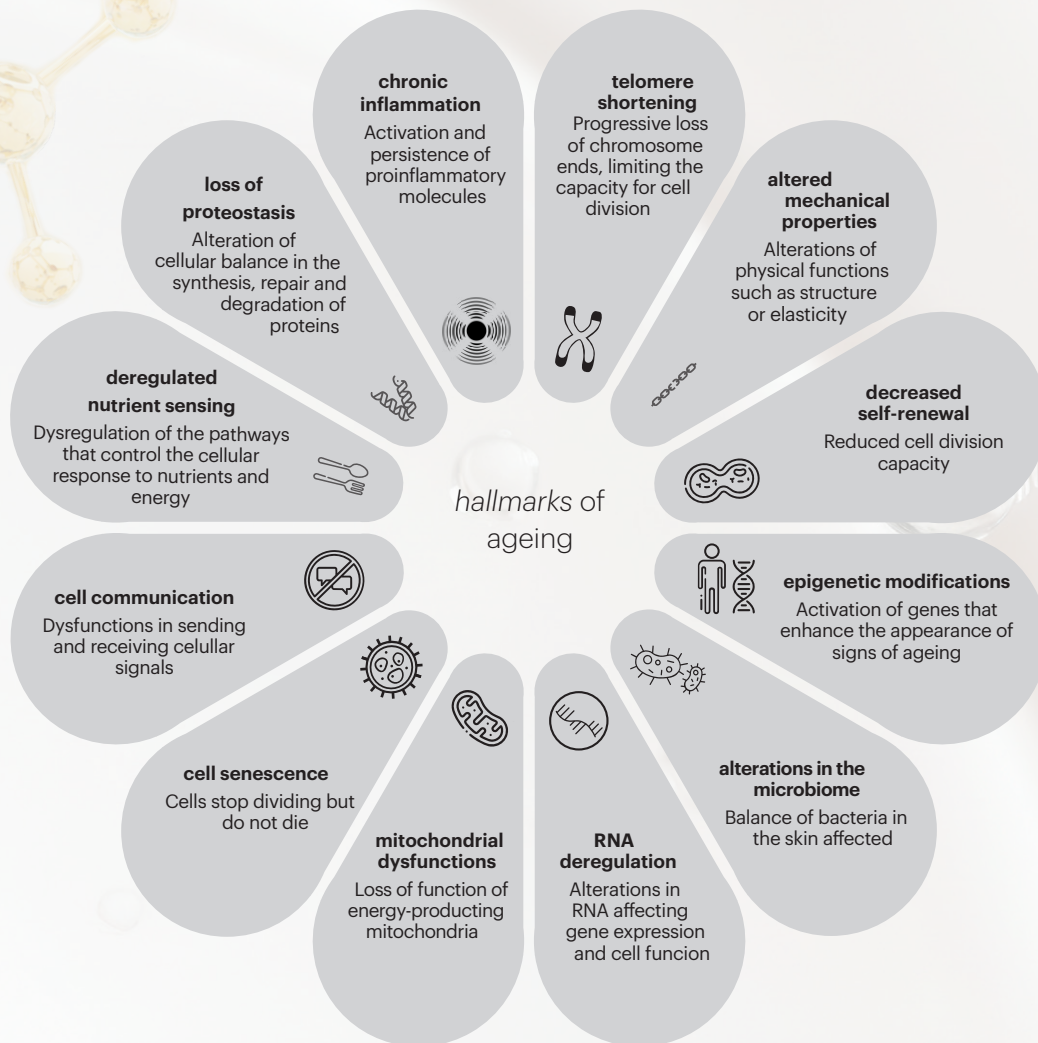
inflammageing

Alteration of cellular regeneration mechanisms

Alteration of cellular processes

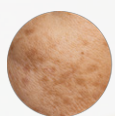
The **hallmarks of ageing** are cellular and molecular processes that characterise the progressive deterioration of the organism.

Certain hallmarks, such as cellular senescence and loss of proteostasis, are directly influenced by glycation, oxidation, and inflammation. Others, such as telomere shortening, may be accelerated by these processes, although they are not their primary cause.



Signs of ageing

These multiple cellular alterations manifest as **visible signs of skin ageing**.



melanin

- increased pigmentation
- loss of tone uniformity



barrier function

- thinner skin
- skin with reduced repair capacity
- lack of hydration



collagen and elastin

- less firm and elastic skin
- appearance of wrinkles and fine lines



Endogenous antioxidant defence mechanisms

- dull skin
- appearance of signs of photoageing

⌘ global antiaging solutions

A range of **anti-ageing solutions** that prevent and correct the signs of ageing at any age.

ANTIOXIDANTS



aox ferulic
15 ml

glutathione, ferulic acid and vitamin C

Ultra-advanced antioxidant concentrate with an anti-ageing and protective action.



RETINOL



skinretin 0,3%
50 ml

pure retinol and bakuchiol

Intensive anti-ageing night cream with regenerative and renewing action. Brightens and revitalises the skin.



skinretin body cream
200 ml

pure retinol and exosomes

Anti-ageing body cream with retinol and exosomes. Rejuvenates, brightens and revitalises skin.



HOME SOLUTIONS

PROFESSIONAL SOLUTIONS



skinretin xpert pack
renewal and regeneration

Formulas suited to **all skin types** to maximise the results obtained in your cosmetic routine.

AMPOULES



melatonin ampoules
10 x 2 ml

melatonin

Regenerating night anti-ageing solution designed to boost skin repair and reinforce antioxidant mechanisms.



proteoglycans ampoules
10 x 2 ml

proteoglycans

Hydrating and nourishing anti-ageing solution that enhances skin radiance through its antioxidant action.



antiaging flash ampoules
10 x 2 ml

collagen and elastin

Anti-wrinkle, firming and anti-fatigue solution that improves skin turgor and elasticity.

⌘ global antiaging solutions | antioxidants



15 ml

Apply day and night

aox ferulic

Ultra-advanced antioxidant concentrate that combats glycation and oxidative stress, improving **skin brightness and vitality**.

Pure vitamin C powder encapsulated on top, activated by twist-on packaging.



- TWIST-ON Activation
- Maximum freshness and effectiveness

⚗ formula

glutathione
0.5%

ferulic acid
0.5%

vitamin C
15%

astaxanthin
0.1%

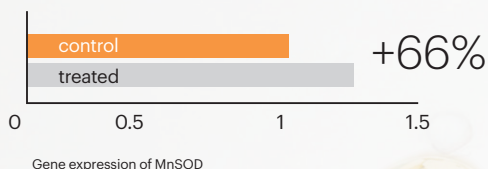
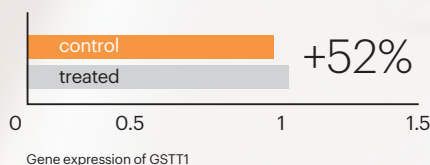
protech-cell
complex

in vitro results²

x6 Reduction of glycation effects

Protection against oxidative stress.

Increased free radical neutralising enzymes:



clinical studies³



+26%
LUMINOSITY

+15%
IMMEDIATE
FLASH EFFECT

+14%
FIRMNESS

⌘ global antiaging solutions | retinol



50 ml

Apply at night every other day during the first 2 weeks; if the tolerance to the product is good, apply every night.

skinretin 0,3%

Global **anti-ageing complex** that revitalises the face and comprehensively treats any degree of ageing, attenuating wrinkles and expression lines with modular efficacy and safety.

Formula suited to all skin types with high dermal tolerance.

⌘ formula

main active ingredients

0.3% pure retinol

Activates intensive cell renewal

0.7% bakuchiol

Plant-based retinol with high dermal tolerance

complementary active ingredients

Centella asiatica
reversa

Lactococcus
ferment lysate

Ectoine

in vitro results

+82%

STRUCTURAL
PROTEINS ⁹

+117%

SYNTHESIS OF THE
EXTRACELLULAR MATRIX ⁹

×9.8

CELL
PROLIFERATION ¹⁰

×3

COLLAGEN
PROTECTION ⁹

clinical studies

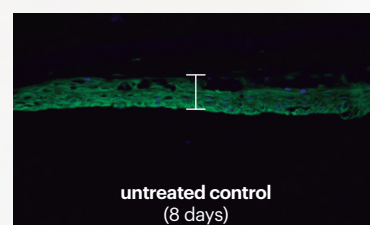


BEFORE

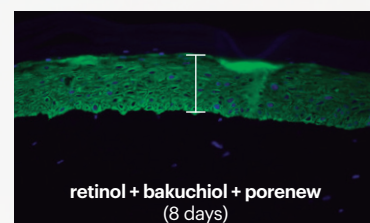


AFTER (28 DAYS)

ex vivo results



untreated control
(8 days)



retinol + bakuchiol + porenw
(8 days)

+43%

SKIN
ELASTICITY ¹¹

+99%

EPIDERMAL
REGENERATION ¹²

⌘ global antiaging solutions | retinol



200 ml

If the tolerance to the product is good, apply daily. Apply to the whole body at night on clean and dry skin.

in vitro results¹³

+50%
EXTRACELLULAR
MATRIX SYNTHESIS

×3.8%
ELASTIN
SYNTHESIS

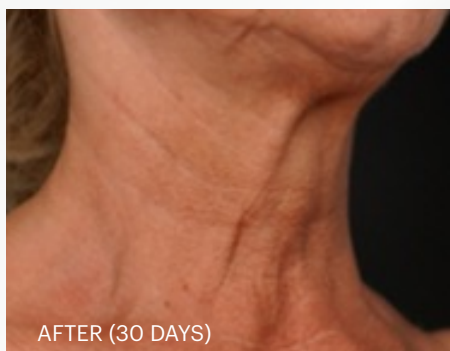
×2
STRUCTURAL
PROTEINS

clinical studies¹⁴

Tested even on delicate areas such as the neck and décolleté:



90%
IMPROVEMENT IN SKIN
QUALITY



95%
MORE HYDRATED
AND SOFTER SKIN

skinretin body cream

Advanced body formula that improves skin firmness and elasticity, reduces wrinkles and fine lines, and evens skin tone to reveal a more radiant, youthful-looking skin.

Its texture and high tolerance make it suitable even for the most delicate areas, such as the neck and décolleté.

It is also ideal as a post-procedure solution for aesthetic or medical body treatments—including device-based therapies—as it enhances and prolongs the results achieved.

⌘ formula

main active ingredients

Powerful synergy to stimulate cell renewal and promote skin regeneration and rejuvenation.

pure retinol

Stimulates cell renewal and regeneration

exosomes

Reactivate cell regeneration

complementary active ingredients

vitamin E

shea butter

⌘ global antiaging solutions | ampoules



2 ml

Apply at night

melatonin ampoules

Anti-ageing solution that combines specific active ingredients to promote **regeneration processes** and enhance **nighttime skin repair**.



+34%
CELLULAR
RESISTANCE AGAINST
OXIDATION ¹⁵

+57%
FIRMNESS ¹⁶

100%
SENSATION OF
COMFORT ¹⁷



2 ml

Apply day and night

proteoglycans ampoules

Anti-ageing solution that combines specific active ingredients to **hydrate, nourish, and firm the skin**, helping to counteract signs of ageing such as loss of tissue elasticity.



+20%
FIRMNESS ¹⁸

+30%
ELASTICITY ¹⁸

100%
MORE HYDRATED
SKIN ¹⁹



2 ml

Apply during the day

antiaging flash ampoules

Anti-ageing, **anti-fatigue** solution **with a lifting effect**, formulated to visibly reduce wrinkles and expression lines, providing an immediate brighter and more rested appearance.



-28%
SIGNS
OF FATIGUE ²⁰

+23%
ELASTICITY ²¹

+95%
MORE LUMINOUS
SKIN ²¹

Me

⌘ global antiaging professional solutions



IN-CLINIC TREATMENTS



skinretin xpert pack

renewal and regeneration

A unique method that fuses innovations in regenerative medicine and latest generation active ingredients to combat skin ageing in a comprehensive and exhaustive way.

The latest advances in epigenetics and exosomes, together with retinol and its derivatives, offer visible and lasting results from the first session.



5 sessions





GLOBAL ANTIAGING SOLUTIONS

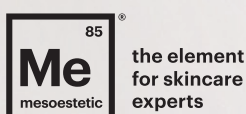
A range of anti-ageing solutions that prevent and correct the signs of skin ageing.

Comprehensive approach to the main *hallmarks* of skin ageing.

Synergy of next-generation antioxidant and regenerative active ingredients.



1. López-Otín C, Blasco MA, Partridge L, Serrano M, Kroemer G. Hallmarks of aging: An expanding universe. Cell. 2023 Jan 19;186 (2):243-278. doi: 10.1016/j.cell.2022.11.001. Epub 2023 Jan 3. PMID: 36599349. 2. In vitro study of gene expression by means of qPCR in fibroblasts and keratinocytes treated with Astaxanthin and Glutathione. Biotechnology Unit. mesoestetic Pharma Group S.L. 2024 3. Clinical study to assess the efficacy, safety and acceptability of AOX in 25 patients over 18 years of age with mild or moderate photoageing. 4. Moabedi M, Milajderi A. The effect of co-administration of vitamin E and C supplements on plasma oxidative stress biomarkers and antioxidant capacity: a GRADE-assessed systematic review and meta-analysis of randomized controlled trials with meta-regression. Front Immunol. 2025 Jul 16;16:1547888. doi: 10.3389/fimmu.2025.1547888. PMID: 40740780; PMCID: PMC12307169. 5. Björklund G, Gasmi A, Lenchik L, Shanaida M, Zafar S, Mujawdiya PK, Lysiuk R, Antonyak H, Noor S, Akram M, Smetanina K, Piscopo S, Uppur T, Peana M. The Role of Astaxanthin as a Nutraceutical in Health and Age-Related Conditions. Molecules. 2022 Oct 23;27(21):7167. doi: 10.3390/molecules27217167. PMID: 36363994; PMCID: PMC9655540. 6. Gandhi, Guneet & Malhotra, S.K. & Kaur, Tejinder & Tyagi, Shashank & Bassan, R.L. (2021). Glutathione: The master antioxidant – Beyond skin lightening agent. Pigment International. 8. 144. 10.4103/pigmentinternational.pigmentinternational.29.21. 7. Sharma DK, Sharma P. Augmented Glutathione Absorption from Oral Mucosa and its Effect on Skin Pigmentation: A Clinical Review. Clin Cosmet Investig Dermatol. 2022 Sep 10;15:1853-1862. doi: 10.2147/CCID.S378470. PMID: 36117769; PMCID: PMC9473545. 8. Averill-Bates DA. The antioxidant glutathione. Vitam Horm. 2023;121:109-141. doi: 10.1016/bs.vh.2022.09.002. Epub 2023 Jan 13. PMID: 36707132. 9. qPCR test on fibroblasts with Retinol + Bakuchiol + Prorenew. Biotechnology Unit. mesoestetic Pharma Group S.L. 2022. 10. Wound healing test on fibroblasts with Retinol + Bakuchiol + Prorenew. Biotechnology Unit. mesoestetic Pharma Group S.L. 2022. 11. MESO_0822 study to assess the safety, efficacy and tolerance of the cosmetic product skinretin 0.3%. Biomedical Engineering Unit. mesoestetic Pharma Group S.L. 2022. 12. Study on immunodetection of Cytokeratin 14, Ki-67, Filaggrin and Collagen IV in full thickness reconstructed human skin models. Biotechnology Unit. Biomedical Engineering Unit. mesoestetic Pharma Group S.L. 2022. 13. Effect of retinol on senescence markers in senescent fibroblasts. Biotechnology Unit. mesoestetic Pharma Group S.L. 2024 14. Efficacy study of the skinretin body cream treatment. mesoestetic® Pharma Group, S.L. 2025. 15. In vitro study using spectrophotometry to measure the cellular protection capacity of melatonin against the oxidative stress produced by UVA radiation. Biotechnology Unit. Mesoestetic Pharma Group. 2017. 16. In vivo study employing a cutometer after 28 days of using with melatonin ampoules. Medical Affairs. mesoestetic Pharma Group S.L. 2018. 17. Subjective self-assessment test performed after 28 days of using with melatonin ampoules. Medical Affairs. mesoestetic Pharma Group S.L. 2018. 18. In vivo study employing a cutometer after 28 days of using with proteoglycans ampoules. Medical Affairs. mesoestetic Pharma Group S.L. 2018. 19. Subjective self-assessment test performed after 28 days of using with proteoglycans ampoules. Medical Affairs. mesoestetic Pharma Group S.L. 2018. 20. In vivo study employing a cutometer after 28 days of using with antiaging flash ampoules. Medical Affairs. mesoestetic Pharma Group S.L. 2018. 21. Subjective self-assessment test performed after 28 days of using with antiaging flash ampoules. Medical Affairs. mesoestetic Pharma Group S.L. 2018.



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